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Vol 2

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HEADQUARTERS
202D COMMUNICATIONS MAINTENANCE SQUADRON
GEORGIA AIR NATIONAL GUARD
Cochran Field, Macon, Georgia

REPLY TO
ATTN OF: AFA 12 Feb 60

SUBJECT: Annual History of the 202d Communications Maintenance Squadron (ANG)

TO: Commander
Ground Electronics Engineering Installation Agency
Griffiss AFB, New York
ATTN: ROMEHH (Command Historian)

1. Mission: To develop and maintain maximum mobilization potential in the installation and maintenance of inside telephone plant, teletype equipment, ground and airborne radio and radar facilities.

2. Command: The gaining command of this unit is the Air Material Command. In it's National Guard role, the unit reports directly to the Assistant for Air, Adjutants Generals Office of the Georgia Department of Defense.

3. Organization: The squadron is organized into five (5) flights. They are: Flight #1, Administrative and Headquarters Flight, Flight #2, Ground Radar Flight, Flight #3, Ground Radio Flight, Flight #4, Automotive, Teletype and Ground Power and Missile Support Flight, and Flight #5, Airborne Radio and Radar Flight.

4. Personnel

a. Number of personnel promoted per grade during calendar year 1959.
[illegible]t-1 [illegible]t-4 [illegible]t-4 A/1C-6 A/2C-11 A/3C-30

b. Number of upgradings per AFSC during 1959.

36250 1	47151 1
56650 2	36370 1
30151 3	30472 3
30171 2	30473 1
30372 1	36370 1
42173 2	30372 1

5. Quarterly Advisory visits.

a. The most important achievement, as a result of advisory visits, was the change in the training program towards training under the team concept. This program has made for better overall training and better utilization of personnel.

6. No projects were started during inactive duty training except construction of bench mock-ups and rehabilitation of some training equipment.

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7. Field Training period accomplishments. Twenty radar maintenance personnel trained with the Eastern Mobile Depot Activity at Keesler AFB, Miss. They accomplished actual overhaul and modification of AC&W and Air Traffic Control radar. These personnel were highly praised for the quality of work accomplished during this period.

8. Equipment. The unit possesses approximately 90% of authorized equipment with the exception of tool kits. They are presently being requisitioned.

9. M Day preparations:

a. The squadron alert plan is kept current at all times.

b. The mobilization plan is as far up to date as possible pending receipt of OEMA's plan.

10. General Summary:

a. The unit made tremendous progress in 1959 towards attainment of operational readiness. At the end of the last quarter, 1958, the index was 36%. At the end of 1959 it was 60.9%. This in itself is an indication of the training being accomplished.

b. It had been anticipated that the squadron would go into a limited repair of C&B equipment under the provisions of Technical Order 00-25-194. However, numerous delays have been encountered in that the Rome Depot has not published a list of reparable items that could be used in this program. Assistance from OEMA, at the highest possible level, could insure a start into this program at the earliest possible date.

c. More favorable publicity from local radio and TV stations and newspapers has been obtained. I might point out that the Macon area has been predominantly Army National Guard, however, with this unit possessing approximately 300 personnel, the public is becoming more aware of the capabilities of the Air National Guard and what it does and can contribute to this area.

Donald D Simmons

DONALD D. SIMMONS
1st Lt, USAF
Air Force Adviser

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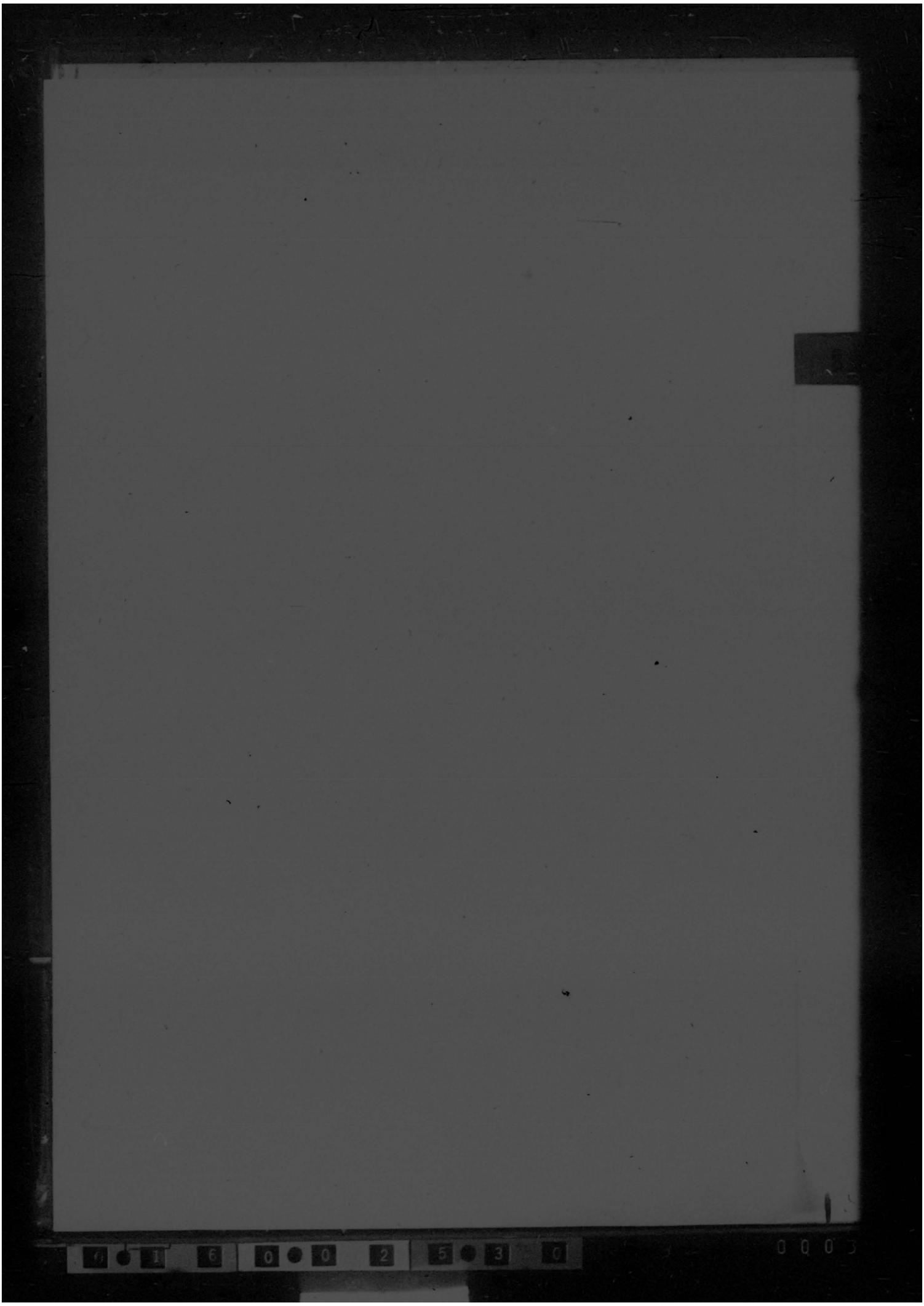

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211TH GEEIA SQUADRON
PENNSYLVANIA AIR NATIONAL GUARD
HARRISBURG-YORK STATE AIRPORT
PO BOX 187
NEW CUMBERLAND, PENNSYLVANIA

June 14, 1960

SUBJECT: 1959 Squadron Historical Report RCS ROAMA-U5(OT)

TO: Headquarters GEEIA
ATTN: ROZEHH (Command Historian)
Griffiss AFB, NY

1. Mission: To construct, install and maintain open wire, lead cable, field wire, rubber cable, right of way, and antenna systems.

2. Command: The gaining command of this squadron is Air Materiel Command.

3. Organization: 211th GEEIA Squadron, PaANG.

4. Personnel:

a. During 1959 one (1) officer and thirty-six (36) airmen were promoted as follows:

(1) WOW2 - 1

(2) TSGT - 1

(3) SSGT - 6

(4) A/1C - 7

(5) A/2C - 5

(6) A/3C - 17

b. During 1959 the following personnel actions were accomplished:

(1) Upgrading in primary AFSC as a result of completing OJT--15.

(a) To 7 level - 1

(b) To 5 level - 3

(c) To 3 level - 11

(2) Entered OJT--48.

(a) 7 level - 14

(b) 5 level - 19

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(c) 3 level - 19

(3) Tests administered--33

(a) 7 level - 4 (1 qualified)

(b) 5 level - 10 (5 qualified)

(c) 3 level - 19 (17 qualified)

(4) Enlistments--16

(5) Reenlistments--20

(6) Discharges--14

(a) Expiration term of service - 5

(b) Excessive absences - 6

(c) Business interference - 3

(7) Reductions in grade--3

5. Quarterly Advisory Visits: This squadron has not received any written reports concerning the results of previous quarterly visits by the Advisory Squadron. It is understood that we will receive reports of future visits.

6. Inactive Duty Accomplishments Beneficial to GEEIA:

a. At the Harrisburg-York State Airport, New Cumberland, Pa from 1 July to 24 September 1959, one NCO Team Chief and six Airmen engaged in electric power OJT as follows:

(1) Placed 7 spans, 4 wire, 3 phase 200 Amp Delta system from the main transformer to 211th GEEIA Squadron motor pool building.

(a) Placed and wired 200 Amp circuit breaker.

(b) Placed and wired 200 Amp main disconnect box.

(c) Placed and wired 6' wiring trough.

(d) Placed and wired four 60 Amp disconnect boxes.

b. At the Harrisburg-York State Airport, New Cumberland, Pa from 1 January to 31 December 1959, two officers and 38 airmen

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engaged in cable and pole line construction OJT as follows:

(1) Placed and spliced 9 terminals.

(2) Placed and spliced two 50 pair MDF.

(3) Placed and spliced cable 26-22, 212 feet.

(4) Placed and spliced cable 101-22, 357 feet.

(5) Placed and spliced cable 51-22, 632 feet.

(6) Placed and wired 101 pair main frame.

(7) Erected 6 poles for cable and antennas.

c. On 18 and 19 September 1959 engaged in OJT in antenna construction and rebuilding for the 112th AC&W Flight, College Farms, State College, Pa. One officer and 19 airmen were engaged in this project.

(1) Rebuilt antenna farm area "A" as indicated on Drawing 60 ANG 211.

(a) Removed all pole attachments.

(b) Straightened poles 1, 2, 3, and 4.

(c) Placed 2 guys on poles 1, 2, 3, and 4.

(d) Placed 6000 pound messenger between poles and replaced antennas.

(2) Rebuilt antenna poles area "C".

(a) Replaced pole #9 and stepped 4 poles.

(b) Placed ground braces an 4 poles.

(3) Rebuilt radar tower.

(a) Replaced pole #5 and guyed.

(b) Placed cable rack pole #5 to radar tower.

7. Field Training Period Accomplishments and Problems: Six officers and 80 airmen of this squadron attended field training from 13 June to 27 June 1959 at Bolling AFB, Washington, DC, with OJT on underground

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cable, block cable, buried cable, central office vault, BD terminals, pole type terminals, and inside terminals.

a. Project completed as follows:

(1) Line surveyed - 6794'

(2) Manholes cleaned - 6

(3) Ducts roded - 11

(4) Ditch dug (Machine) - 2920'

(5) Ditch dug (Hand) - 1423'

(6) Hand cleaned trench - 850'

(7) Ducts placed - 11

(8) Ditch back filled (Machine) - 2925'

(9) Ditch back filled (Hand) - 1418'

(10) Trench leveled and tamped - 4343'

(11) Concrete cable markers placed - 6

(12) 26 Pair DTA buried cable placed - 1067'

(13) 51 Pair DTA buried cable placed - 1360'

(14) 101 Pair DTA buried cable placed - 2019'

(15) 26 Pair LC block cable placed - 1386'

(16) 51 Pair LC block cable placed - 270'

(17) 101 Pair LC block cable placed - 190'

(18) 101 Pair LC underground cable in conduit - 863'

(19) Poles placed - 6

(20) Poles stepped - 7

(21) Poles removed - 3

(22) Holes dug (Machine) - 5

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(23) Holes dug (Hand) - 7

(24) Existing drop wires moved - 450'

(25) Drive rings placed - 25

(26) Holes drilled in wood (1") - 25

(27) Lag screws - 2186

(28) Cable clamps - 2162

(29) Cable guards - 31

(30) Detachable pole steps - 17

(31) Terminals placed and spliced - 23

(32) Terminals tested - 23

(33) BD 304 terminal placed and spliced - 1

(34) Cable stubs placed and spliced - 2

(35) Placed and terminated 101 pair MDF - 1

(36) Buried splices made - 6

(37) Lead sleeves used - 43

(38) Joints wiped - 86

(39) Sleeves pressure tested - 18

(40) Conductors spliced (straight) - 2504

(41) Conductors spliced (bridged) - 1874

(42) Conductors cleared and sleeved - 378

8. Equipment:

a. Ninety-eight per cent of this squadron's ANGEAL equipment is on hand.

b. The remaining 2 per cent is on requisition.

9. M DAY Preparation:

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a. The squadron alert plan is maintained in a current status.

b. The squadron mobilization plan is complete and approved by Headquarters, AMC.

10. General Summary of Past Year:

a. Although problems have arisen in the operations of the squadron, it is believed they were of the types that any organization experiences and are not outstanding enough to warrant entering in this report.

b. In addition to the work previously outlined, the 211th CEEIA Squadron has participated in several community and inter-service projects. Assistance has been given in the construction of local little league ball parks. Poles for back stops, light stands and score boards have been set, guys and electrical wiring installed. Equipment and personnel were utilized to drill post holes for approximately 5000 feet of fence surrounding the Harrisburg Army National Guard Armory.

c. In conclusion, it is my hope the year 1960 will be as successful as 1959. It is the aim of every person in the 211th CEEIA Squadron to do all in their power to further their unit and the Air National Guard.

WILLIAM F NESBIT
Major, PaANG
Commander

4 Atch
1. 112th Antenna Project
2. Cable Construction, Bolling AFB
3. Squadron Motor Pool Project
4. Base Cable Relief Project

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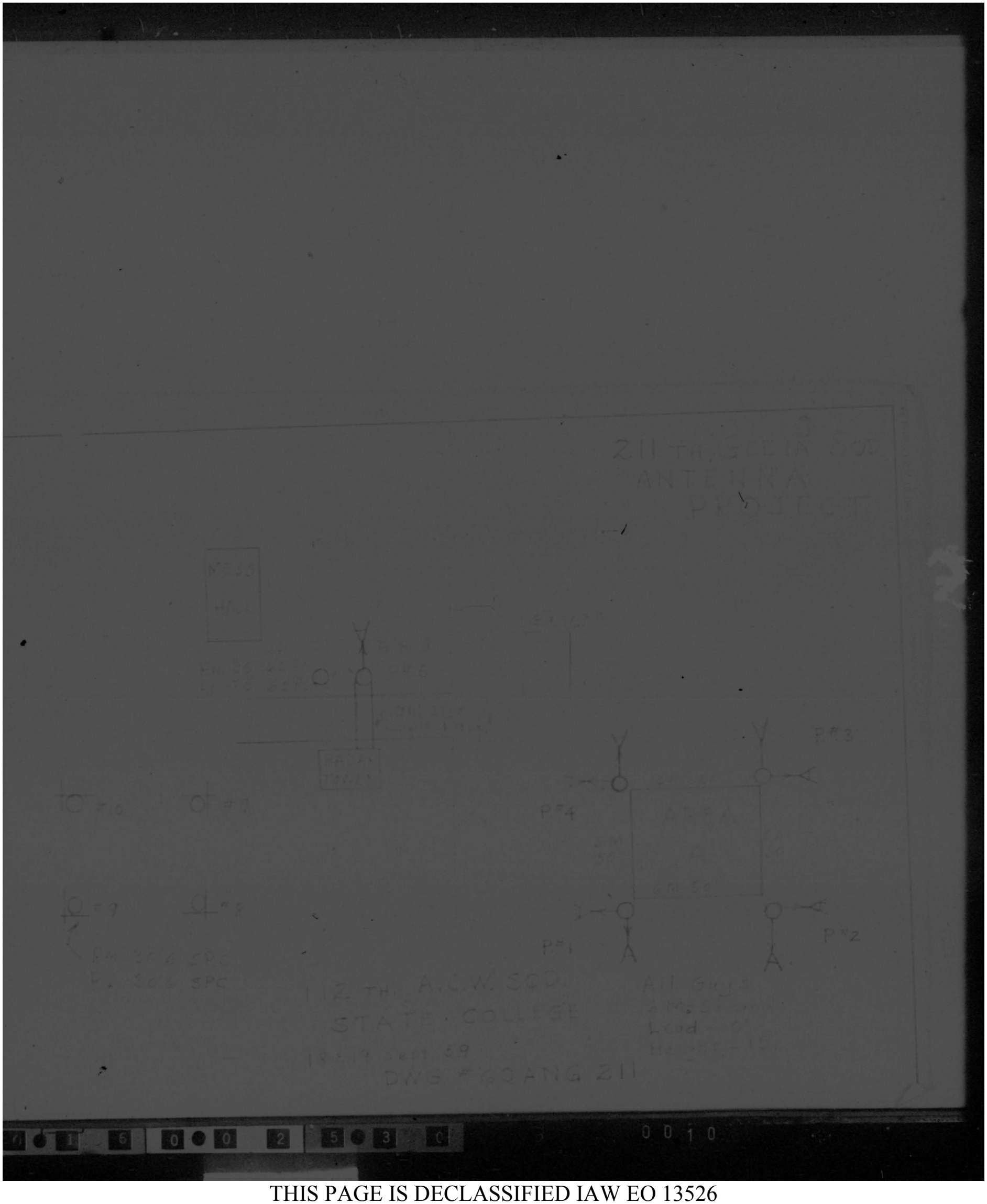

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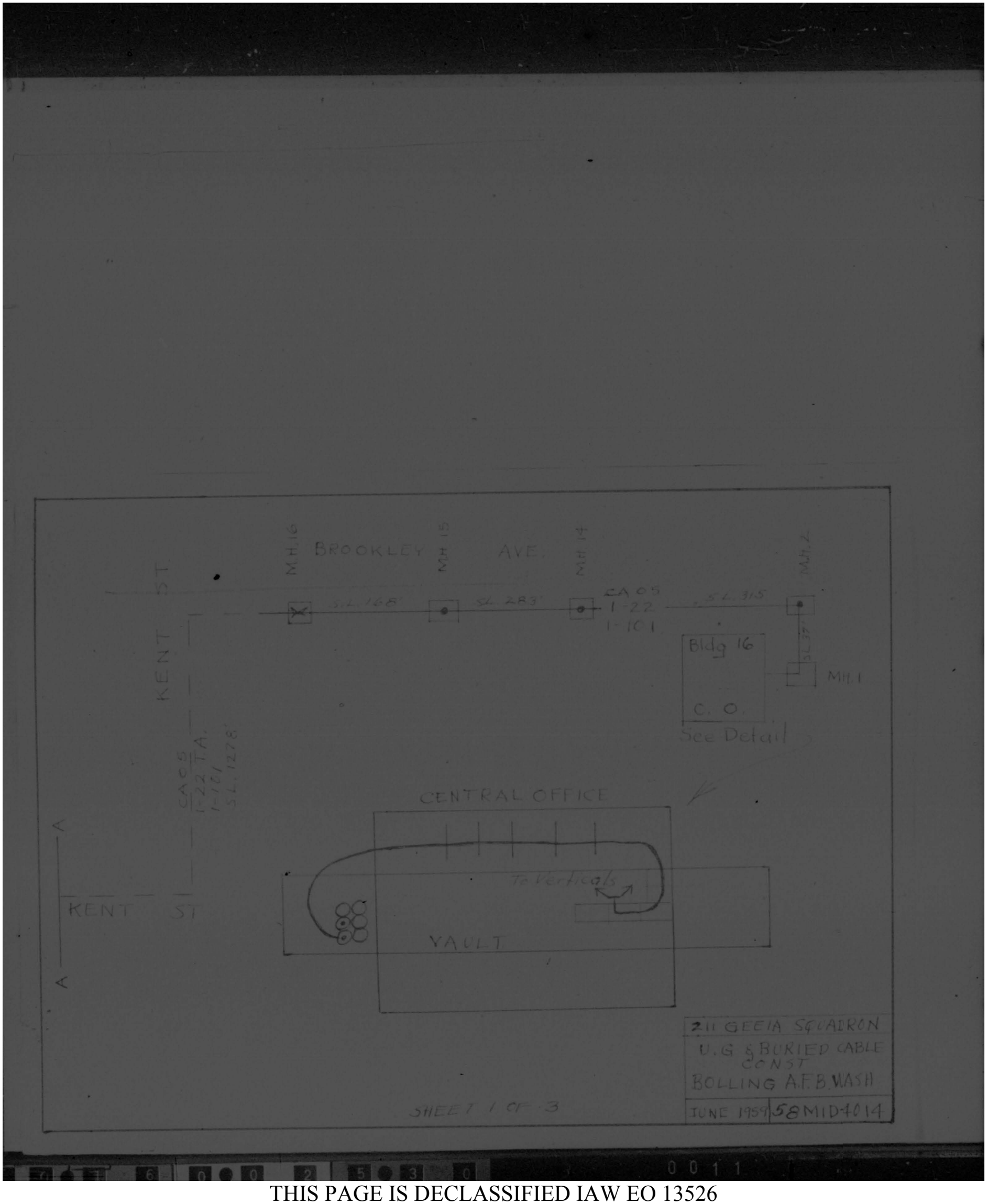

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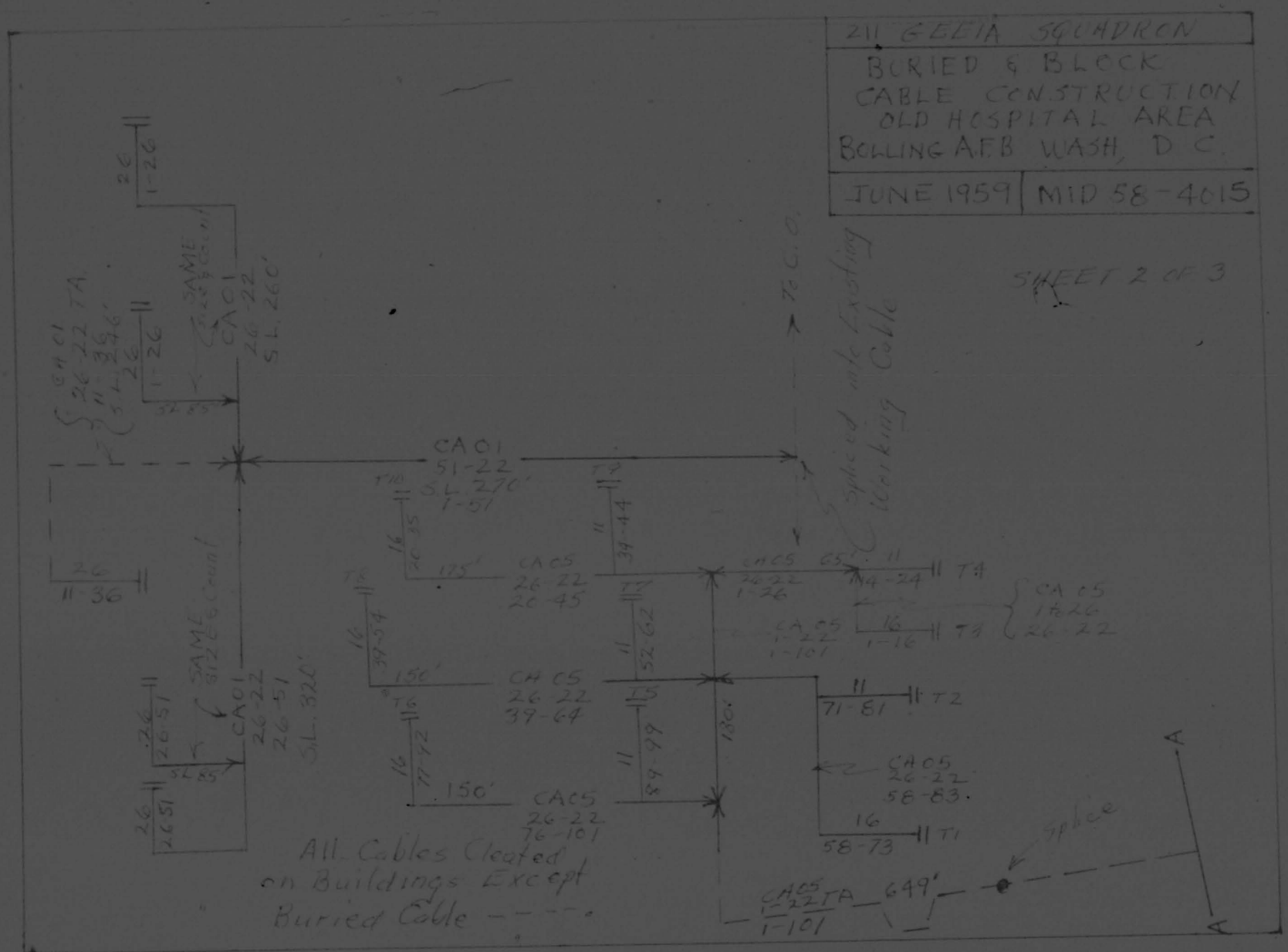
211 GEEIA SQUADRON

BURIED & BLOCK CABLE CONSTRUCTION OLD HOSPITAL AREA BOLLING A.F.B WASH, D.C.

JUNE 1959 | MID 58-4015

SHEET 2 OF 3



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DELTA
200 AMP
3 PHASE

SHEET 1 OF 2

DETAIL A
ON
POLE #10

TO AERIAL

BLDG #1

BLDG #10

400 AMP

3" C.I. Pipe
NEUTRAL

UNDERGROUND
TO TRANSFORMERS

POSITION OF WIRES ON ALL POLES

BLDG #13

SEE SHEET 2

#9

MOTOR POOL

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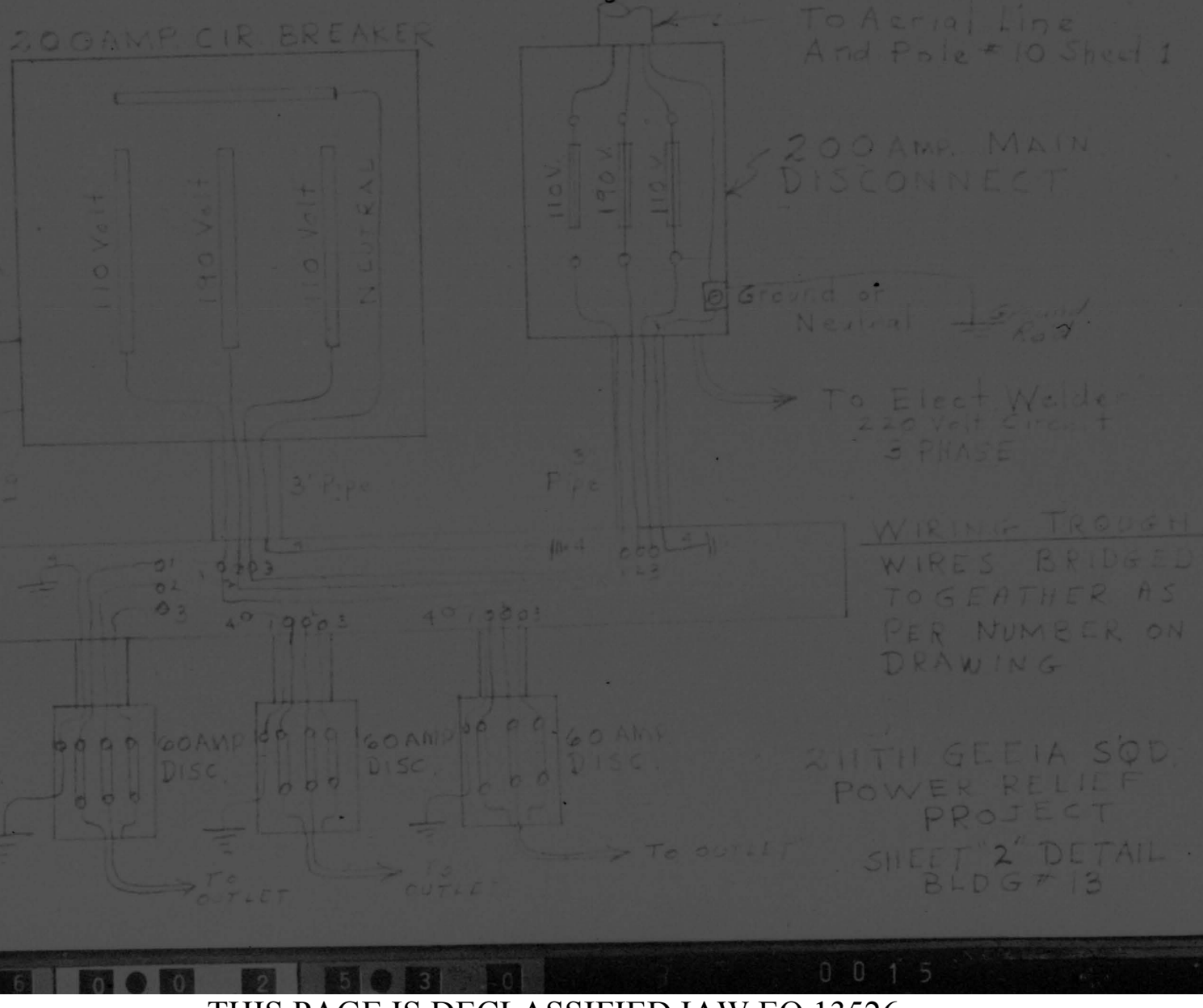
PANEL BOARD

Sheet 2 of 2

MOTOR POOL



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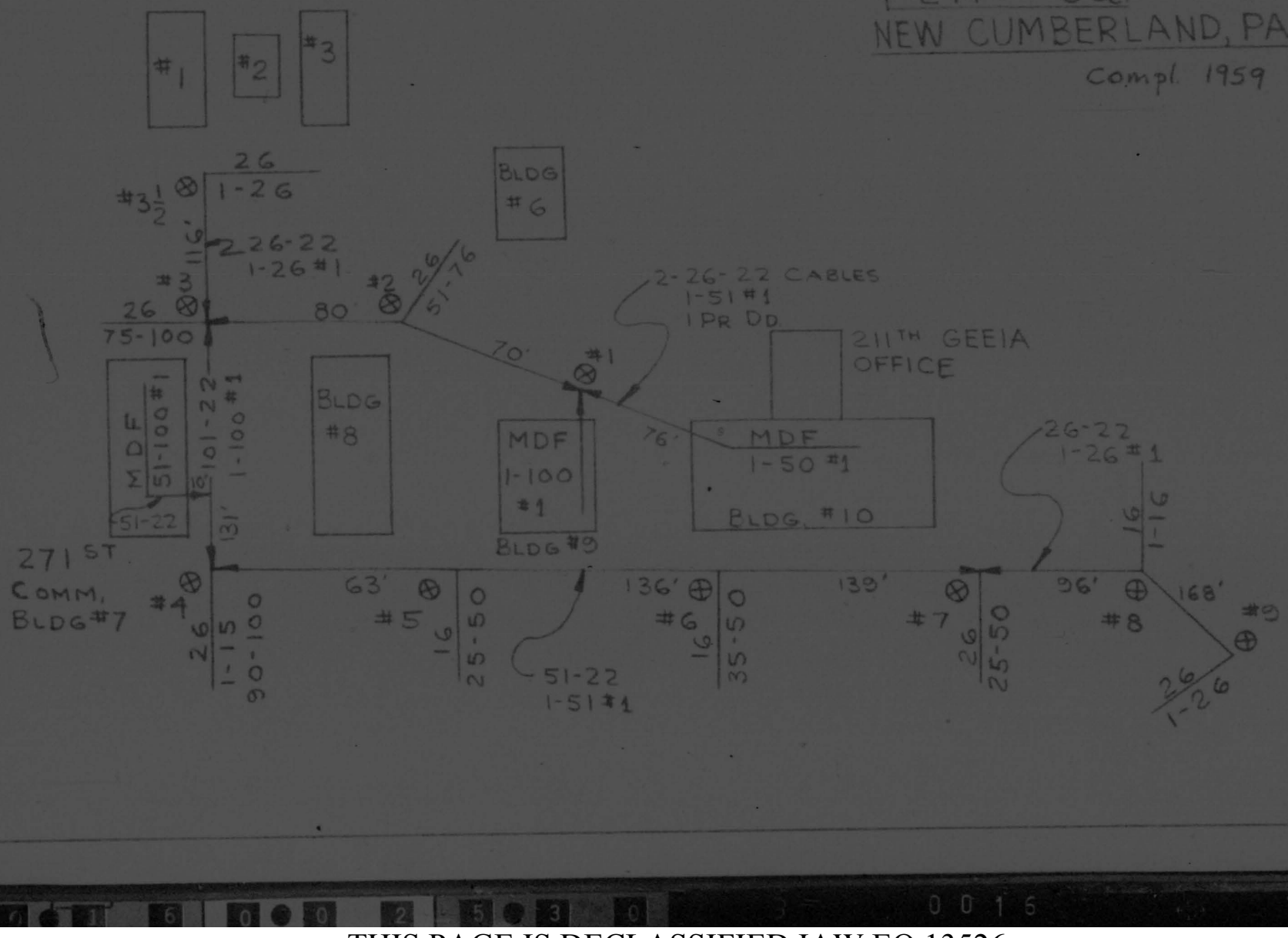
CABLE RELIEF
PROJECT
FOR 211TH GEEIA SQ.
& 271ST SQ.
NEW CUMBERLAND, PA.
Compl. 1959



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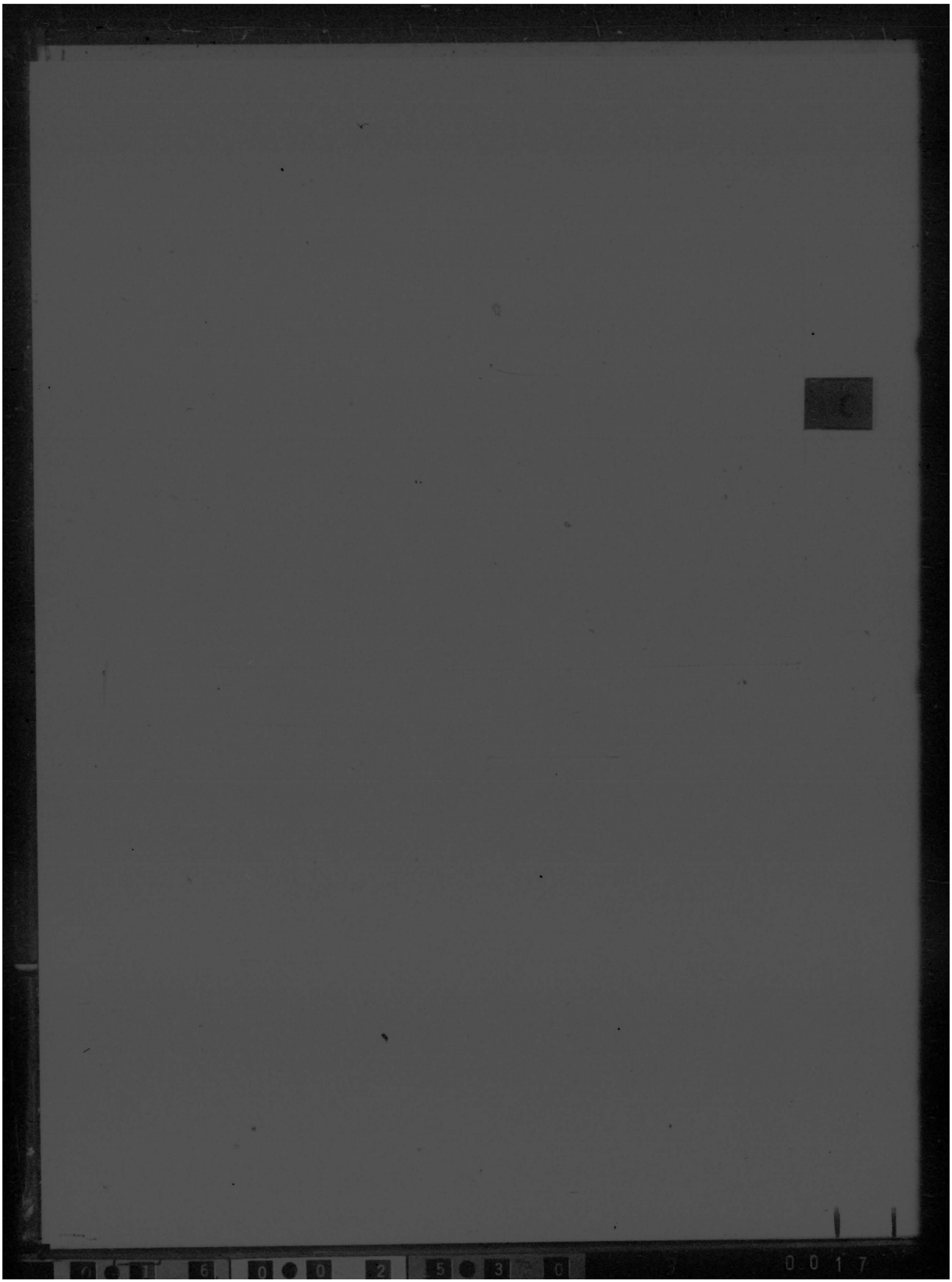

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History of 217TH GEEIA SQUADRON, ILL ANG, from 1 January 1960 to 30 June 1960.

1. Unit Mission: Essentially the mission of the 217th GEEIA Squadron has not changed.

2. Chronological narrative of events of historic importance within the reporting period were - Captain Stanley M. Arnold was officially appointed Commander on 19 January 1960. During this reporting period 45 airmen were tested, of these 40 passed and 5 failed. This makes the overall passing rate for this organization during the reporting period 89%. Classification action was taken on 37 airmen and 2 officers and 34 airmen were promoted. Also the units two warrant officers were promoted to CWO 2, one in April and one in May. The two warrant officers completed minimum time in grade for the promotions.

The appointment of two new officers (Lt Miller, Donald M. on 16 January 1960 and Lt White, Bennett S. III on 8 April 1960) resulted in a full complement of officers for this activity. In addition 11 enlistments, 10 discharges and 2 transfers were effected. Thus, on 30 June 1960, the 217th GEEIA Sq; (manned under TO 1-2234 dated 1 June 1955 with an authorized strength of 4 officers, 2 warrant officers and 99 airmen) had assigned 4 officer, 2 warrant officers, and 95 airmen.

The enlistment of an air technician for unit supply on 26 February 1960, resulted in 100% PD strength. Another important date was 25 April 1960 - - the first unit promotion of a master sergeant to a super grade.

In an attempt to increase the capability of this unit, accomplish realistic training and benefit the establishment arrangements are being finalized to accomplish repair schemes at Volk Field, Wisconsin on Unit Training Assembly Time. Details of these plans will be included in the next historical report.

The units 15 day annual encampment was conducted at Randolph Air Force Base, Texas from the 4th to the 18th of June 1960. A copy of the Field Training Report will be attached to the next Historical report. The encampment was considered to be the most successful yet. The commensalistic tone of the relationship established is believed to be partially responsible for this opinion by the squadron personnel.

The percentage of unit equipment possessed as opposed to that authorized is 75%. Those deficient items are either on requisition or not required.

The unit alert plan has been published. The unit mobilization plan, however, although complete in draft form, awaits only the receipt of GEEIA OPS Plan 1-60.

Of significant interest is the commendation given by the Commander to A/2C Norman F. Browne for his part in helping save a USAF aircraft on 25 June 1959 at Field training. An account there of is attached herewith.

The standing of the unit was maintained as satisfactory as evidenced by the rating given by the Federal Inspection Team and was gratifying in itself to those members of the unit who put in the extra hours.

3. A copy of the Field Training Report will be attached to the next Historical Report.

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4. No major problems within this reporting period.

DONALD M MILLER
1st Lt, Ill ANG
Historical Off

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1. Browne Incident Summary
2. Key Personnel Listing

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Sumary of incident concerning A2C Norman P. Browne.

U S Taxpayers were spared the burden of replacing a one and one quarter million dollar aircraft on Wednesday 25 July 1959 primarily because of Airman Second Class NORMAN P. BROWNE and his actions. That Wednesday had proved a troublesome day for an Air Force Scorpion type aircraft serial number 32515. During the course of a normal radar training flight several coincidental malfunctions placed the pilot, 1st Lt T. G. Tyrrell of Vienna, Ohio and 1st Lt C. M. Harms of Debuque, Iowa in a serious predicament.

First of all, an unexpected heavy amount of traffic at Wurtsmouth AFB forced them to remain in the air longer than usual and deminished their fuel supply appreciably. During the period of their delay their radio and radar receivers became partially inoperative. Moreover, through some misunderstanding the field pattern lights at Wurtsmouth were shut down and due to their radio difficulty they were unable to request the light aid.

The Scorpion and crew were forced to seek another landing site and Phelps Collins Field, where the 217th GEEIA Sq was undergoing field training was their only alternative. However, Collins field was in the process of preparing for the arrival of the 126th Fighter Interceptor Wing and was not completely ready for jet traffic. The pilot of the F-89 was frustrated by the inability of the tower to respond to his desperate call.

Fortunately, someone at Base Operations heard the Scorpion's call and was able to communicate with the pilot. Airman Browne, working late in the tower could audit the conversation but could not talk to the pilot. Browne heard the operations man tell the pilot that the lights could only be turned on from the tower and that there was no one on duty. Immediately Airman Browne began turning, pushing and pulling every switch in sight in an attempt to find the correct one on the unmarked control panel.

As Lt Tyrrell was about to guide his ship to its doom in Lake Huron and bail out -- the field below suddenly burst into life. Let there be light - and there was. Thus it was that the 445th Fighter Interceptor Squadron a part of the 30th SAGE division was saved an aircraft.

The commendation given by the commander to Airman Browne reads in part, "by your devotion to duty in working extra hours on the crash control alarm project in the control tower, your presence of mind turning on the runway lights, you have saved the cost of an aircraft, perhaps the lives of the pilots and thereby brought great credit upon yourself, the 217th GEEIA, the Illinois ANG, and the United States Air Force."

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ROSTER OF PERSONNE
KEY PERSONNEL ROSTER OF 217TH GEEIA SQ
(as of 1 May 60)

NAME LAST, FIRST, MIDDLE HOME ADDRESS & PHONE BUSINESS ADDRESS & PHONE	AFSN	RANK	POSITION
ARNOLD, STANLEY M. 719 HIGHLAND AVE, GLEN ELLYN, ILL - HOpkins 9-2980 AT&T CO, RM 616, 20 N. WACKER DR, CHGO, ILL - RAndolph 7-4063	AO 1903421	CAPT	COMMANDER (3034)
BALDWIN, RICHARD N 629 ENTERPRISE AVE, ELGIN, ILL - SHerwood 2-7512 MOLDMASTERS, CORNE & FOSTER STS, ROSEMONT, ILL - GLdstn 5-1730	AF 26366471	SM/SGT	NCOIC TRAINING
EDWARDS, JERRY R. 650 WELLNER RD, NAPERVILLE, ILL - ~~NAPERVILLE 3041~~ ELMWOOD 5-3041 IBT, 929 CHILDS ST, WHEATON, ILL - MOntrose 8-9961 or 2	AO 3041240	1ST LT	COMM OFF (3034)
FOSTER, JOHN R. 347 S. LEWIS AVE, LOMBARD, ILL - Mayfair 7-8665 HINES LUMBER, 127 MONTERY AVE, VILLA PARK, ILL - TErrance 2-11[illegible]	AF 20606999	M/SGT	FST SGT (ACTG)
HILLMANN, KARL W 232 N MAIN ST, LOMBARD, ILL - MAyfair 7-4485 LOMBARD POST OFFICE, LOMBARD, ILL - MAyfair 7-0012	AW2050369	WO-1	COMM OFF (3034)
MILLER, DONALD M. 7131 S. DAMEN ST, CHGO, ILL - REdlock 4-5361 UNIV OF ILL, 364 HOPKINS MGH, CHAMPAIGN, ILL - FLeetwood 6-2511 Ext 2130	AO 3092590	1ST LT	ADMIN-PERS OFF (7324)
SEVERA, JAMES D. 6746 ILLINOIS AVE, HAMMOND, IND - TIlden 4-1464 IBT, 422 FAYETTE ST, EAST CHICAGO, IND - EX 7-9963	AW 2050346	CWO-2	COMM OFF (3034)
TURNER, WILLLM H. 2730 S. RIDGELAND AVE, BERWYN, ILL - STanley 8-8109 217TH GEEIA SQ, 5400 W. 63RD ST, CHGO, ILL - POrtsmouth 7-9265	AF 26396403	S/SGT	AIR TECHNICIAN
WHITE, BENNETT S. III 8022 W. 30TH ST, NO. RIVERSIDE, ILL - HIlltop 7-6494 J WALTER THOMPSON CO, 410 N. MICHIGAN AVE, CHGO, ILL - MOhawk 4-6700 Ext 667	AO 3070036	1ST LT	SUPPLY OFF (6424)

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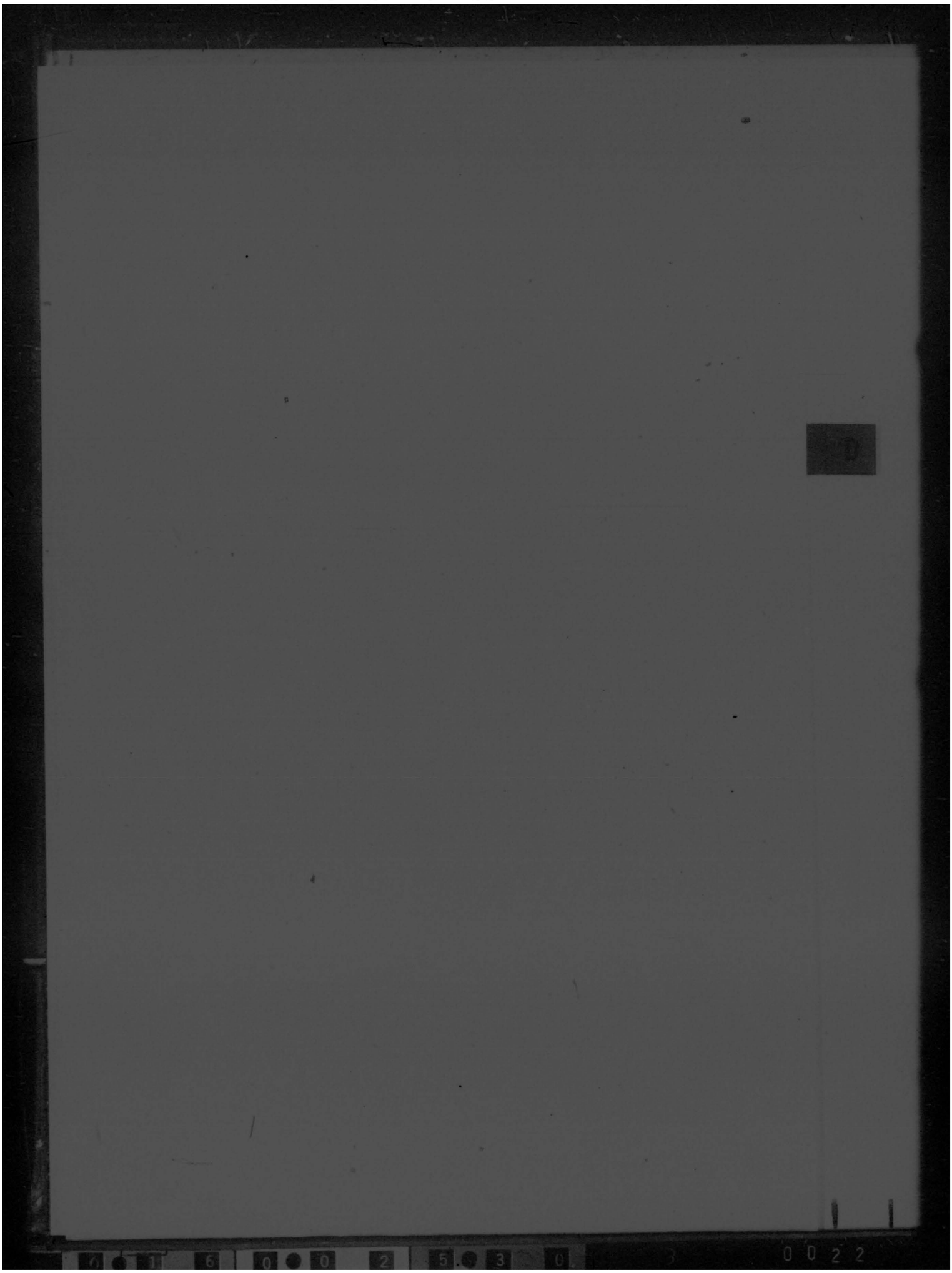

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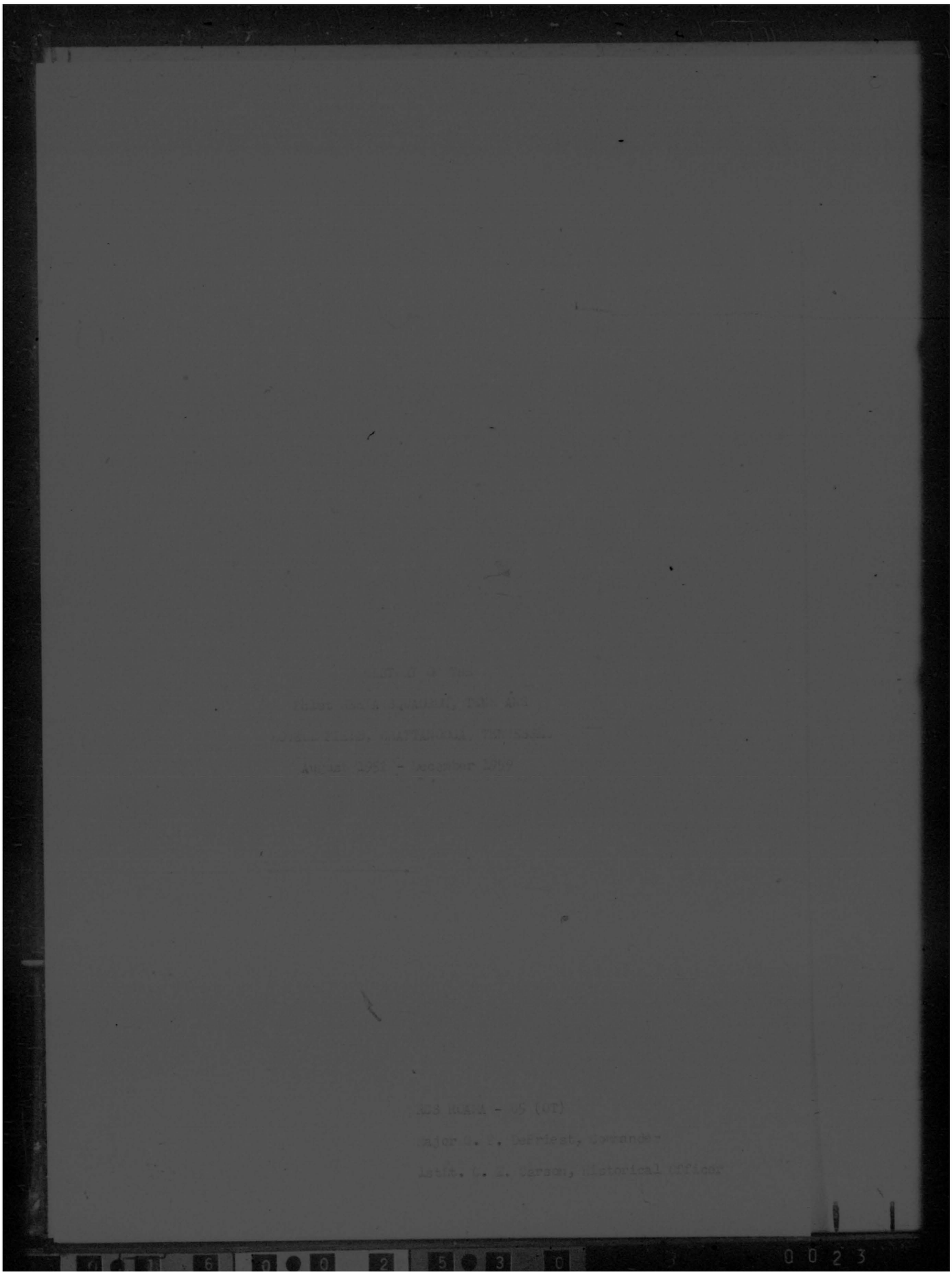

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SUMMARY OF 2hlst UNIT HISTORY

The 2hlst AACS Operations Flight was officially activated 6 August 1952 with an authorized strength of 2 officers and 30 airmen and an assigned mission "to achieve and maintain a level of operational effectiveness which would enable the unit to operate Airways and Air Communication Service facilities as directed." [1]

Lt. George F. Depriest, Commander, operating from his civilian office and a borrowed pilot's lounge on Lovell Field, began a recruiting campaign. By the summer of 1953, the squadron (1953) strength was 2 officers and 26 men. Training during this period was largely limited to classroom and small project training by lack of space and facilities since the pilot's lounge was still the only conveniently available space, but participation in both classroom training and correspondence courses was high. The cooperation of local CAA gave the assigned personnel a good background of knowledge of control tower operation and CAA communication facilities.

Moody Air Force Base was chosen as the first field training site, and during August 1953, 100% of the assigned strength travelled to Valdosta, Georgia by train and from there to Moody by bus.

Training for officers and men of the squadron consisted of working directly with and under the supervision of active duty Air Force men of the same AFC. For example, aircraft control tower personnel of this unit were assigned to shifts with active duty men and worked these shifts with their Air Force counterparts. [2]

The following month, the unit was redesignated the 2hlst

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AACS Installation and maintenance squadron with the mission "to achieve and maintain a level of operational effectiveness which will enable the unit to : (1) Accomplish installation engineering, installation, removal and such field maintenance of communications and electronic equipment that is beyond the capabilities of other AACS units (2) to perform maintenance on assigned vehicles." [3]

Since civilian component units lack the personnel mobility of active duty units, this meant the retraining of virtually all assigned personnel to the new duties required by the mission change. Individual airmen were re-evaluated and reassigned to jobs suited to their background and civilian occupations and retraining began immediately. Almost tripling the authorized strength to 17 officers and 58 airmen dictated an all out recruiting job aimed primarily at prior serviceman so as not to complicate still further the training problem created by the mission change.[3]

In the meantime, the borrowed pilot's lounge on Lovell Field became even more inadequate for classroom use and to provide working area to use the training aids and electronic gear that had arrived. Space was loaned the unit by the Army National Guard for training area and secure storage facilities, so the unit moved its headquarters to the Army National Guard's Holtzclaw Ave. facility, and operations were carried on there for some months.

By the end of the year, the new squadron had 4 officers and 29 airmen assigned and arrangements were made to lease downtown office building space in the Dome Building for training and headquarters facilities. Space in the Dome Building was adequate for a time, but OJT was considerably curtailed by the lo-

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cation. For example, a coordinated effort to get an SCR-699 operational was entirely effective on our part, but an inadequately shielded commercial broadcast station on the floor below was put off the air by our transmitter. This interference problem made it impossible to operate any other transmitting equipment at the headquarters, so two transmitters were installed and operated in areas loaned the squadron by the Commander and the Air Force adviser.

(1954) Warner-Robins AFB was chosen for the Field Training site for the summer of 1954 and the unit comprised then of 6 officers and 51 airmen moved there by chartered bus.[4]

This first squadron summer encampment provided classroom training primarily and an opportunity to see installations of primary mission equipment. In addition, basic military training for non-prior service airmen was carried on as required.

Equipment for training in the unit's new primary mission began to arrive more and more rapidly, and it was put to as much use as the location and local fire ordinances permitted. Vehicles were stored at a commercial garage and maintenance pulled on these during inactive duty training periods. Since it was obvious that the space in use would never be satisfactory for training the unit in its assigned mission, funds were requested for a training building. Approximately 60% of the authorized equipment was received and stored.

Recruiting during 1954 resulted in an increase from 31% of authorized strength to 72% of the authorized strength, of 17 officers and 88 airmen, so it became necessary to acquire more space in the downtown office building as a stop-gap measure.

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Offices adjoining the basic space were leased and permission obtained to use Southern Bell Telephone Offices on the same floor to conduct testing and classroom training. Basic training for non-prior service men was conducted in some of these offices with drill being carried on parking lots near the office building. The additional problem of basic training for these airmen diverted qualified officers and NCO's from primary mission training, so early in 1955 the Commander instituted more selective recruitment requirements. Each non-prior serviceman enlisted was required to enroll in the regular Air Force Basic School at Lackland AFB and attend training there to begin at his next opportunity, but in no case later than one year from his enlistment. This policy was not 100% effective, but very few men reneged on these commitments.

(1955)

Recruiting, though selective, continued with the result that all of the 17 officers vacancies and 82 of the 68 airmen slots were filled by the June 1955 summer field training.

Tyndall AFB was the choice for the summer encampment of 1955 with travel to site by chartered aircraft. Classroom training conducted by NCO's of the host unit, and manufacturers' representatives of contract electronic suppliers. Classroom training was supplemented by conducted tours of radar, VOR, low freq ranges, marker beacon, homing beacon, and other electronic facilities upon which classroom lectures were based. This was one of the most interesting summer camps to date, as it provided motivation for further study.[5]

In August of 1955, the authorized strength was increased slightly to 18 officers and 93 airmen. As the enlisted strength of the squadron was well within the required tolerances, recruiting

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efforts were directed toward prior servicemen only, and all non-prior servicemen interested in enlistment were required to attend both basic training and a service school for AFSC training. 6

The following month, the squadron was redesignated the 24lst Engineering and Installation Squadron, deleting from the assigned mission the maintenance requirement and resulting in personnel shifts and further retraining requirements. The authorized strength remained 16 officers and 93 airmen. The assigned strength at the end of 1955 was 11 officers and 85 airmen. Authorized equipment on hand this year's end approximately 78%.

(1956) While the recruiting campaigns directed toward increasing and upgrading the enlisted strength were quite successful, finding officers qualified and interested in an Air Guard career, were somewhat less successful. Of the 11 officers assigned at this time, five were commissioned from the NCO ranks through AFOQT and Federal recognition boards, and one transferred from another service branch.

Between January and June of 1956, two additional officers transferred into the Air Guard from other branches of the service. An additional officer was commissioned from the NCO ranks, bringing the officer strength to 14. Airmen strength was 93, representing 100% authorized strength.

Tinker AFB, Oklahoma was chosen as the site for the 1956 summer training site with travel to the site by chartered commercial aircraft. This summer's field training was conducted with the 11th ACCS Air Force Reserve Squadron stationed at Tinker and was the culmination of many months of coordinated endeavor between the two units and with the host and advisory

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unit, the 1981st AACS E & I group. After arrival at Tinker AFB, detachments made up of personnel of this unit, the 11th AACS E & I Air Force Reserve Squadron with officers, and NCO's from the parent unit were regrouped and dispersed to installation sites in the parent units area of responsibility. This was an excellent assignment although it was felt that many man hours of training were consumed by the taking of all personnel to Tinker AFB, and then reshipping them to detached points and the reversal of the procedure upon return to the home base in Chattanooga.

Squadron strength was again increased in June of 1956 with 22 officers and 149 airmen authorized, representing an increase of 51% over previous authorization. This same month, the unit was informed that funds had been allocated for the construction of a new building. This was a welcome bit of news, although the building size was based upon the earlier and smaller strength authorization.

From June through the end of 1956, four additional officers and 19 additional men were added to bring the assigned strength to 18 officers and 109 airmen, and Major Boyer T. Phillips was assigned as Air Force advisor. Two offices spaces in the downtown building were vacated and loaned the unit by the landlord for use in electronic fundamental training. Additional vehicles were assigned and space leased at a nearby garage for their storage. Minor vehicle maintenance was now being done in the alley adjacent to the building and the adjoining parking lot. Major maintenance work on these vehicles was done at the Berry Field motor pool of the Nashville, Tennessee unit. Heavy power units and tools which had arrived and continued to arrive on automatic distribution were stored at the National Guard Armory.

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Equipment on hand or in storage at the end of the year was approximately 72% of the new signal authorization.

Plans for the new quarters for the unit were completed by the Architects, Bisnculli and Rein in August, but negotiations for land reached an impasse in September when an engineering survey made on airport expansion indicated that the Lovell Field area previously committed as available by the City Officials was declared essential to expansion of hangar and ramp facilities to handle increasing civilian air traffic.

(1957)

Tinker AFB was again chosen for the primary site for the summer field training for 1957 and coordination started in the fall of 1956 to work again with the 11th AACS Air Force Reserve Squadron stationed at Tinker. Pre-camp conferences at Tinker during the fall, winter and early spring of 1957, resulted in the assignment of installation responsibilities to the joint team of the 24lst and 11th units for facilities at widely separated within the area of responsibility of the 1891st AACS Group.[10]

To conserve time, it was decided that detachments would depart Chattanooga for end locations rather than Tinker, so on 9 June 1957, officers and airmen of this unit divided into installation and engineering teams and departed by commercial aircraft as 14 separate detachments to their end location, where they were met by their counterparts and fellow team members from the 11th AACS Squadron.

Headquarters and Engineering personnel went to Tinker to continue coordinating the field training. Other teams were dispersed to the following sites: Little Rock AFB, Arkansas for the modification and installation of a TACAN unit and the partial

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renovation of the control tower: Lincoln AFB, Nebraska, for installation of new equipment in a control tower to update its operation; March AFB, California: final site survey, modification and installation of a LOCAL unit, including final tune up prior to flight check: Andrews AFB, Maryland to supplement and relieve active duty personnel assigned to CLOSCOM duties; Mitchell AFB, New York to supplement and relieve active duty Air Force personnel assigned to supply duties. Randolph AFB, Texas to supplement and relieve active duty Air Force personnel assigned to supply duties; McClellan AFB, California, to supplement and relieve line duty Air Force personnel assigned to CLOSCOM duties. Brooks AFB, Texas, to re-site, renove, rehabilitate and reinstall transmitters at the new site; Kelly, AFB, Texas, to install RAPCOM switching facilities; Altus AFB, Oklahoma, to install a homing beacon; perform rehab work on the control tower and RAPCOM facilities; Walker AFB, New Mexico, to site and install a TVOR station; Chanute AFB, Illinois to supplement and relieve active duty Air Force personnel performing supply duties; Lackland, AFB, Texas, for basic training. Engineering personnel of this unit working out of the Tinker AFB headquarters were sent to make site surveys at the following locations-Minot, North Dakota, Ramey AFB, Davis AFB and Homestead AFB. All assignments were satisfactorily completed, the units efficiency rated as excellent and the unit Commander rated as outstanding by the Commander 1001st ALCS E & I Group.

Fiscal year 1967 was closing and funds allocated for the new squadron quarters were about to be withdrawn. The project was tested by difficulties from the start: Preliminary plans of the Architect were rejected; committments for the original 12

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acre site for the building were recalled by city officials; the secondary 6 acre site offered was rejected by the CNA and agreement could not be reached on lease terms. Desperation measures and the whole hearted cooperation of the Tenn. Adjutant General's office and the National Guard Bureau resolved the difficulties, extended the time limit on the funds and permitted the planning to proceed smoothly.

Intensive recruiting efforts during the last half of 1957 gave the unit an end-of-year strength of 22 officers and 140 airmen for 95% of authorized strength. Selective recruiting was maintained throughout this period. Percentage of authorized equipment on hand at year's end was 71%, and as it was not possible to utilize additional equipment in the present squadron location, orders for new items were screened carefully to avoid extra storage problems.

All non-prior service applicants being required to agree to attend basic training and a service school for their AFC and enlistments accepted only from those men scoring excellent on aptitude tests for the positions for which they were applying.

(1958)

In early 1958, the contract was awarded and for the new headquarters and training building for the unit, and the negotiations for the lease and CAA approval satisfactorily completed for building on the airport property and ground was broken for the physical start in late spring.

Reorganization of the ANGS resulted in the transfer of responsibility for summer training from the 188lst Group at Timkin AFB to the 1880th ANGS F & I squadron at Robins AFB, Ga. and coordination with that squadron effected the detachment of eight teams to location within the area of responsibility of the

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parent unit for the completion of projects assigned. The location and projects were Sewart AFB, Tenn. for the rehabilitation and relocation of an AN/URN 11; Seymour Johnson AFB, N.C. for the relocation of a TVOR; Campbell AFB, Kentucky for the rehabilitation of several flight facilities; Columbus AFB, Miss. for the rehabilitation of control tower equipment; Maxwell AFB, Ala., for the performance of routine maintenance on flight facilities; Charleston AFB, S.C. for operation and maintenance of teletype equipment; Tyndall AFB, Florida, for the rehabilitation of the antenna farm; Keesler AFB, Miss. for the maintenance of control office equipment.

All teams except the Columbus AFB, Miss. team completed their required mission satisfactorily. The Columbus team was forced to abandon the assigned mission as quarters were not available for the airmen and per diem funds not furnished.

Six additional NCO's recruited during the last half of 1958 to bring the assigned strength only three below that authorized. Recruiting efforts were curtailed purposely to hold the remaining openings for men of unusual ability. Re-enlistment rates were high so vacancies were not being created for new recruits.

In the early spring, the new building was completed, but the projected water supply system of the city was not extended as originally planned, so it became necessary to get another contract issued for the extension of water mains of the size required for the safety and sanitation requirements of the building. Effective January 1st, the unit was redesignated the 21st CEM Squadron with no change in authorized strength and no apparent change in mission.

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The summer field training for 1959 was conducted at Cape Canaveral with the 2860th CEEIA Squadron, Robins AFB as the advisory unit. All assigned personnel travelled to Patrick AFB, Florida by commercial air. Projects for the unit included, antennae installations and rehabilitation; running and splicing communications cable and day to day assignment to a variety of communications, duties varying from public address to radio systems. 11

In August of 1959, the new building was ready for occupancy and the squadron moved in. Since it was designed for a unit with 18 officers and 93 men and the authorized strength was now 22 officers and 149 men, in the space available, equipment setup was begun and continued through the balance of the year. At the year's end, Major Meyer T. Phillips retired and Major A. M. Zelnski assigned as air advisor. Assigned strength at the end of the year was 22 officers and 141 airmen with 78% of equipment authorized on hand and orders for other equipment 86% of total authorized equipment.

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FOOTNOTES

1. NG-AFOTP 325.4(Air) Tenn., 27 Mar 52
2. Omitted
3. Par 2, GO 38, AGO Tenn, 21 Sep 53
4. SO 8, 241st AACS I&M Sq., 4 Jun 54
5. SO 8, 241st AACS I&M Sq., 13 May 55
6. GO 33, AGO Tenn, 1 Aug 55
7. GO 43, AGO Tenn, 27 Sep 55
8. SO 20, 241st AACS E&I Sq., 1 Jun 56
9. GO 35, AGO Tenn, 22 Jun 56
10. GO 23, AGO Tenn, 2 May 57
11. GO 14, AGO Tenn, 22 May 59

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GENERAL ORDERS # 33 dtd 1 August 1955 Cont'd

	FUNCTIONAL CODE	TITLE	NO	AFSC	GRADE
Change	80010	Accounting Tech	1	67270	S/Sgt
To	80010	Accounting Specl	1	67250	S/Sgt
Change	80010	Apr A/C Jet 1 Eng Mech	6	43131A	A/2C
To	80010	Apr Aircraft Mech	6	43131A	A/2C
Change	80010	A/C Jet 1 Eng Mech	3	43151A	A/1C
To	80010	Aircraft Mechanic	3	43151A	A/1C
Change	80010	A/C Jet 1 Eng Mech	3	43151A	S/Sgt
To	80010	Aircraft Mechanic	3	43151A	S/Sgt

b. The authorized strength of the 118th Field Maintenance Squadron is changed from 8 Officers and 116 airmen to 8 officers 1 Warrant Officer and 141 airmen.

c. The 118th Supply Squadron is reorganized under 1 x Part II less 1 x Part IID T/O 1-7502P, dated 1 June 1955.

d. In applying Part IID, Function Code 99040, make the following changes per MG-AFCOP, ltr dated 13 May 1955:

	TITLE	NO	AFSC	GRADE
Change	Aircraft Mech	1	43151	A/1C
To	Aircraft Mechanic	1	43151	S/Sgt
Change	Apr Orgn Sup Spec	2	64131	A/2C
To	Apr Whse Spec	2	64130	A/2C
Change	Orgn Sup Spec	2	64151	S/Sgt
To	Whse Spec	2	64150	S/Sgt
Change	Orgn Sup Spec	1	64151	A/1C
To	Whse Spec	1	64150	A/1C
Change	Orgn Sup Supv	1	64173	T/Sgt
To	Whse Supv	1	64171	T/Sgt

e. The authorized strength of the 118th Supply Squadron is changed from 8 officers and 111 airmen to 8 officers and 105 airmen.

f. The 118th Motor Vehicle Squadron is reorganized under 1 x Part II less 1 x Part IIC T/O 1-9504P, dated 1 June 1955.

g. The authorized strength of the 118th Motor Vehicle Squadron is changed from 4 Officers and 109 airmen to 3 Officers 1 Warrant Officer and 109 airmen.

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GENERAL ORDERS # 33 dtd 1 August 1955 Cont'd

8. The 118th Tactical Hospital is reorganized under 1 x Part IIAA, AD, AE, and AF, T/O 1-9022, dated 1 June 1955.

a. The authorized strength of the 118th Tactical Hospital is changed from 9 officers and 67 airmen to 15 officers and 56 airmen.

9. The 105th Tactical Reconnaissance Squadron (Photo Jet) is reorganized under 1 x Parts II x IIA, T/O 1-1423P dated 1 June 1955, augmented by the following elements:

Communications Element	1 x Parts IID, N,R,U,AO,AQ,BK,BN, T/O 1-2233 dated 1 June 1955.
Air Police Element	1 x Parts IIC,F,J, T/O 1-8035 dated 1 June 1955.
Food Service Element	1 x Part IIG, T/O 1-8020 dated 1 June 1955
Installation Element	1 x Part IIA, T/O 1-8503P dated 1 June 1955

Non-T/O augmentation of paragraph 2e, NG-AFOTP ltr 14 Jan 55, Subj: Non-T/O positions authorized for ANG Flying Units.

a. The authorized strength of the 105th Tactical Reconnaissance Squadron (Photo Jet), as augmented, is changed from 31 officers, 2 warrant officers and 235 airmen to 31 officers 3 warrant officers and 237 airmen.

10. The 155th Tactical Reconnaissance Squadron (Night Photo) is reorganized under 1 x Part II, T/O 1-1433P dated 1 June 1955 and augmented by the following elements:

Maintenance Element	1 x Part IIB, T/O 1-7504P dated 1 June 1955
Supply Element	1 x Part IIB, T/O 1-7502P dated 1 June 1955
Motor Vehicle Element	1 x Part IIA, T/O 1-8504P dated 1 June 1955
Communications Element	1 x Parts IID, N,R,U,AO, AQ, BK, B M, T/O 1-2233 dated 1 June 1955
Air Police Element	1 x Parts IIC, F,J,T/O 1-8035 dated 1 June 1955

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GENERAL ORDERS # 33 dtd 1 August 1955 Cont'd

officers and 267 airmen. AUTH: Ltr, NGB 9 May 55 NG-AFØTP, Subject: "Reorganization, Tennessee Air National Guard Units".

BY DIRECTION OF THE GOVERNOR:

OFFICIAL:

JOE W. KENNY, JR.
Major General, Tenn NG
The Adjutant General

VAN D. HUNKLY, JR.
Lt Col, Armor, Tenn NG
Executive Assistant

DISTRIBUTION:
A-E-C-F
CNGB Attn NG-AFØTP (10)
4 CONR Attn Pub Div (40)
22 CONAC Attn AG (10)

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ED, Subj: Rept of An Insp FY 56 of the 2431st AACS Sqi Sq, Texas ANG

4. The mission of the 2431st Airways and Air Communications Service Sqi Squadron is to achieve and maintain a level of operational effectiveness which will enable the unit to:

a. Accomplish installation engineering; installation, rework and such field maintenance of communications and electronics equipment that is beyond the capabilities of other AACS units.

b. Perform organizational maintenance on organically assigned vehicles.

5. The purpose of this inspection was to evaluate the efficiency, effectiveness and economy of operation and to measure unit accomplishment against programmed requirements in order to award a suitable rating.

6. Upon completion of this inspection a critique was conducted by the inspecting team for members of the units inspected. The Commander, Captain DeFriest and all key staff personnel attended. Observations, comments and action items contemplated for inclusion in the major report were discussed with all personnel concerned and a copy of these items considered of major importance was left with the Commander at this time.

II. OBSERVATIONS, COMMENTS AND ACTION ITEMS

Personnel and Administration

7. This unit was Federally recognized 6 August 1952 as the 2431st AACS Flight and was reassigned. The flight was reorganized and redesignated the 2431st AACS Installations and Maintenance Squadron effective 1 October 1953 with a considerable increased authorization of personnel. The unit was a separate squadron. It was last reorganized 1 October 1955 under T/O 1-2321 dated 1 June 1955 and redesignated the 2431st AACS Engineering and Installations Squadron. The advisory unit was being changed from the 1003d AACS Group, Dobbins AFB, to the 1851st AACS ESN Group, Tinker Air Force Base. A review of current manning documents and morning reports indicated the following:

	OFFICERS	M/O	AIRMEN	AIR TECHNICIANS
Authorized	13	0	93	2*
Assigned	11	-	66	2
Req Str as of 1 Sep 55	12	-	89	-

*An additional Air Technician will be authorized in the Radio Maintenance Field effective 1 January 1956.

8. This squadron had been granted a six (6) months waiver of strength requirements by the National Guard Bureau. As of 2400, 31 March 1956 this unit was required to meet the strength requirements of Column "C" instead of Column "D", as listed in attachment to ANGR 35-05, dated 1 December 1955. As of 2400 hours 30 September 1955 the squadron was required to meet the strength requirements of Column "D" of cited directive. At the time of this inspection the unit was one (1) officer under required strength; however,

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16. Subj: Rept of An Insp FY 56 of the 2431st AACS Sqt, Tcna AFS

a lack of test equipment. This problem was being overcome and excellent training was being received by maintenance personnel through the assembly and construction Booth Company test kits. Until new quarters are available there will exist continuing problems of cramped space and confusion from the close proximity of training areas.

(Action Item) There is a need for a full time employee to be given the responsibility of general supervision of the training program and a training directive should be published outlining in detail supervisors' responsibilities and procedures to be followed to accomplish directed training.

Technical and Logistical

Communications

16. The only accountable communication equipment for which a requirement existed for preventive maintenance, and for records to be maintained of this maintenance, is the AARS station (K6FEB). The remaining organizational equipment was either in storage or was "AAGE 69-0" property.

17. Due to the limited organizational facilities and interference with the local commercial broadcasting station, which is located on the floor directly below these facilities, the AARS station had been re-located to the residence of the Organizational Commander. The personnel assigned had assumed an active interest in the operation of this station and in the proper maintenance of this equipment. The PE-95 power unit that is used as back up power for the AARS station was maintained in a satisfactory condition, however, improper maintenance forms were being utilized to record the accomplishment of preventive maintenance.

Motor Vehicle Section

18. Although there were only two vehicles assigned this organization, there was a lack of control for proper driver indoctrination. Operators were issued Drivers Permits (AF Form 213) without accomplishing the Drivers Qualification Record (AF Form 348). The Pre-operation and Post-operation section of the trip tickets (DD Form 110) were not being completed nor was the reverse side of these trip tickets or pertains to mileage, load, and "To - From" column completed. A letter authorizing designated personnel to operate vehicles had not been accomplished and various operators permits were signed by the organizational supply officer and had an indefinite expiration date.

(Action Item) Supervisory personnel had not assumed the responsibility for proper driver training and for the maintenance of associated forms.

Unit Supply

19. The Unit Supply Section of the 2431st Airways and Air Communications Sqt Squadron was considered satisfactory. The equipment on hand was considered adequate for the mission of the organization and was being satisfactorily warehoused, safeguarded and accounted for on the organization's property records.

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TIG, Subj: Rept of An Insp FY 56 of the 241st AACS HKJ Sq, Texas ANG

III. EVALUATION

20. This unit had reached that state of training which now required additional and more adequate facilities in order to continue progressive training for the more advanced phase of actual installation practice.

21. Training equipment on hand was sufficient for basic electronics, radio and testing; however, a need existed for a full time employee to plan, schedule, supervise, and record training accomplished.

22. More attention was indicated as being needed in the operation and records maintenance of the Motor Vehicle section.

23. The Commander, Captain DeFriest, had shown outstanding interest in attaining operational effectiveness of his unit by permitting installation of the AACS station at his own home due to absence of other available space.

24. Although the facilities of this organization were rated unsatisfactory, they were beyond the control of the Commander. Other than this, the unit was rated satisfactory. As a result of this inspection,

IV. PROCESSING

25. A memorandum of minor matters was left with the unit commander for corrective action in accordance with paragraph 21, AFR 123-1.

26. The basic report will be processed in accordance with Air Force Regulation 123-1, indicating by endorsement thereto the corrective action taken by each addressee and will include comments and recommendations as applicable. This report will be forwarded by the unit inspected within fifteen (15) days after receipt and by subsequent indorsees five (5) days after receipt. The original and three (3) copies of this report with indorsements will be forwarded to Headquarters Fourteenth Air Force.

ROY C. ROWLAND
Major, USAF
Inspector

Info cy:
Chief, NGB, Washington,DC
Hqs, ADC, Wright-Patterson AFB, Ohio

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14th AF, Subj: Report of Annual Inspection, FY 56, of the 2hlst AACS (E&I) Squadron, Tenn ANG

AOTS-M (10 Apr 56) 1st Ind

HQ, TENN AIR NG, AGO, Cordell Hull Bldg, Nashville 3, Tenn, 13 Apr 56

TO: Commander, 2hlst AACS E&I Sq, 715 Dome Bldg, Chattanooga, Tenn.

Forwarded for your information.

FOR THE ADJUTANT GENERAL:

Billy J. Shoulders

BILLY J. SHOULDERS
Capt, Tenn ANG
Admin Asst for Air

1 Incl:
n/c

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Ltr to AF, Subj: Report of Annual Inspection, FY 56, of the 211st AACS (Mil) Squadron, Team AW

AFTB-E (10 Apr 56)

1st Ind

HQ, TEAM AIR NG, ANC, Cordell Hull Bldg, Nashville 3, Tenn, 13 Apr 56

TO: Commander, 211st AACS Mil Sq, 815 Dixie Bldg, Chattanooga, Tenn.

Forwarded for your information.

FOR THE ADJUTANT GENERAL:

BILLY J. NICOLIDES
Capt, Team AW
Admin Asst for Air

1 Incl
N/C

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MILITARY DEPARTMENT OF TENNESSEE
OFFICE OF THE ADJUTANT GENERAL
NATIONAL GUARD SECTION
NASHVILLE, TENNESSEE

2 May 1957

GENERAL ORDERS)
NUMBER 23)

FIELD TRAINING - AIR NATIONAL GUARD UNIT

1. Pursuant to Training Authority [illegible] dated 1 March 1957 Chief, National Guard Bureau and in accordance with section 4, National Defense Act, as amended, the following unit of the Tennessee Air National Guard will participate in Field Training as follows:

a. Location of Encampment : Tinker AFB, Oklahoma, all twelve detachment locations

b. Period of Encampment : 9-22 June 1957

c. Organization : 211st AACS and equip
Chattanooga, TennAirport

Advance Detachment : 5-8 June 1957
1 Non-rated Off
1 Airman

2. No Federal employee is authorized by above cited Authority to perform any duty that will extend his field training beyond fifteen (15) days plus additional days authorized because of travel distance or travel unless permission in writing is secured from the Secretary of the Army.

3. All personnel pay vouchers covering pay for this tour will be prepared by the USPFO for the State of Tennessee for certification of availability of funds.

BY DIRECTION OF THE GOVERNOR:

OFFICIAL:

[illegible]
CHIEF, NGB-AIR
CPT, Armor, Tenn NG
Asst Adjutant General

DISTRIBUTION:
A-2-T
Tinker AFB, Okla (10)

[illegible]
Major General, Tenn NG
The Adjutant General

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19OTH AIRBORNE AIR COMMUNICATIONS SERVICE SQUADRON
UNITED STATES AIR FORCE
March AF Base, California

29 JUN 1957

SUBJECT: Letter of Appreciation

TO: Adjutant General
Cordell Hull Building
ATTN: Captain George F. DePriest
241st AACS C & I Squadron
Tennessee National Guard
Nashville 3, Tennessee.

1. I would like to express my gratitude to the M & I Team, under the leadership of Captain Buffett, for aiding in the installation of the TICAM equipment at March AF Base.

2. It was a pleasure to have the team with us. Their enthusiasm, initiative, cooperation and teamwork was gratifying to see and I feel they served as a morale booster for personnel of my squadron.

3. Your installation team reflected great credit to the Tennessee Air National Guard and I will be looking forward to any future visits.

DURWOOD L SLACK
Captain, USAF
Commander

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C, Hqs, 1661st AACS E&I Group, Tinker AFB, Oklahoma, Subject: 241st AACS E&I Squadron, Tennessee Air National Guard

AGIN-R 1st Ind

HQ, TENN ANG, AGO, Cordell Hull Building, Nashville, Tennessee, 15 July 1957

TO: Commander, 241st AACS E&I Squadron, Tennessee Air National Guard, 215 Dome Building, Chattanooga, Tennessee

1. Basic communication forwarded with pleasure.

2. This Headquarters concurs with the rating indicated by Colonel Calkins, and appreciates the fact that your efficiency and services are recognized by the regular Air Force establishment. It is through your effort that a closer understanding exists between the Air National Guard and United States Air Force personnel.

3. This Headquarters wishes to thank you for performing your duties in such an outstanding manner.

FOR THE ADJUTANT GENERAL:

VAN D. NUNALLY, JR.
Col Armor, Tenn NG
Ass't Adjutant General

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HEADQUARTERS
1081ST AACS E & I GROUP
TYNDALL AIR FORCE BASE, OKLAHOMA

23 June 1957

SUBJECT: 241st AACS RBI Squadron, Tennessee Air National Guard

TO: Tennessee Air National Guard
The Adjutant General's Office
Nashville, Tennessee

1. Unit Efficiency: Excellent

a. The 241st AACS RBI Squadron, Tennessee Air National Guard, performed all their duties in an outstanding manner during their two-week summer encampment with this organization.

b. Each Airman and Officer was given a specific assignment and performed the regular Air Force mission while on duty with this organization. The most up-to-date equipment known to the Air Force was installation engineered, installed, maintained and operationally checked by 241st personnel.

2. Unit Commander Rating: Outstanding

a. Recommend promotion in advance of contemporaries.

Wesley E. Calkins

WESLEY E. CALKINS
Colonel, USAF
Commander

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8 July 1957

SUBJECT: Air Force Advisers Report of Completed ANG Field Training, 9-23 June 1957, ADS: CNO-18

TO: Senior Air Force Adviser
Tennessee Air National Guard
Berry Field
Nashville 10 Tennessee

TO: Commander
Fourteenth Air Force
Robins Air Force Base, Georgia

1. Reference is made to Field Publication 50-18 dated 3 August 1955.

2. Overall strength of personnel under action during this Encampment, 9-23 June 1957, is as follows:

	Officers	Airmen
[illegible]	1	3
[illegible]	0	30
[illegible]	0	0
[illegible]	0	5
[illegible]	7	40
[illegible]	14	76
[illegible]	21	154

3. I departed Chattanooga at 5 PM for Robins Air Force Base in my personal vehicle, arriving there in the afternoon of 8 June. I reported in to the Commander of the Inflight Wing & & I Group in the morning of 9 June, then proceeded to spend the rest of the day checking in with various representatives of Robins Air Force Base, with particular attention paid to the Base Command Section, Base Finance, and Base Security Chief Mr Shaver. I made a point to ever with the Base VOQ Office to insure unit space had been set aside for the unit officers who would perform their duty at Robins. I found everything in readiness. The Reserve Elem of the Training Section of Headquarters Robins AFB Wing was also contacted, and made personal visit to the unit during the encampment.

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[illegible] 1

[illegible] 2[illegible]st [illegible]CS R & I Sq., 215 Lee Bldg, Chattanooga 2 Tenn., Subj: Air Force Advisors Report of Completed [illegible] Field Training, 9-23 Jun 57, ACS: CHO-18

4. The training concept behind this year's encampment is the same as that initiated for 1956. The idea behind any worthwhile Training scheme is to make it as realistic as possible, and to gain the maximum practical knowledge from it during the time allotted. Accordingly, arrangements were concluded with the 1881st AACS R & I Group, Tinker Air Force Base Oklahoma, well in advance of the 1956 encampment period. The 1956 Summer Encampment turned out to be very successful and was definitely unique in that it was a joint effort involving three categories of Air Force personnel, working together in composite teams in pursuance of the mission. The 11th AACS R & I Squadron(Reserve) is located at Tinker and comes on Active Duty concurrently with this unit. Its enlisted personnel are for the most part Civil Service employees working in the OC.M. C & E shops, while the officers are for the most part Civil Service employees with the 1881st. The unit Commander is Lt Colonel Robert E Davis. The 1881st Group headquarters is utilized by the Command and Administrative elements concerned and for C & E schools. Way for technical personnel not scheduled to take teams into the field. The 24last last year sent 5 teams to the field, and this year increased the number to 11. It is hoped that in 1958 a total of from 20 to 25 teams can be given field duty. The 1881st AACS R & I Group, commanded by Colonel Wesley Calking, is responsible for the engineering and installation of AACS communications and electronics equipment for the entire Zone of the Interior. By training with it, our units get to accomplish exactly the same type of work they would be required to perform if called to emergency active duty. Since projects as such are perishable in nature, an automatic [illegible] on the part of the host unit is the requirement for a high caliber of pre-encampment planning involving bases across the entire United States. In 1956 and again this year the encampment period reflected excellent planning and support by the 1881st and its subordinate squadrons supporting the areas in which our men performed their duties. It is heartening to see a regular Air Force unit support its Air Reserve counterparts as well.

5. The only deviation from the 1956 encampment was that our men took their full equipment with them, and proceeded direct from Continental to the end locations. Since travel was by commercial air and the tonnage limit set at 40 pounds, real ingenuity in selecting clothing was mandatory. The airlines cooperated well, but we had a little trouble securing the weight allowances anyway.

6. Distribution of team personnel stretched across the Nation.

a. Little Rock AFB, Ark: 1 officer and 5 airmen installed control tower and TACAN equipment. The GCA-3 unit was modified, then installed in the building provided for it. Cable was laid to the base of the TM-71 tower. The work was supervised by Mr Ashworth of Federal Electric.

b. Lincoln AFB, Nebraska: 2 officers and 10 airmen installed control tower equipment and otherwise performed limited rehab work.

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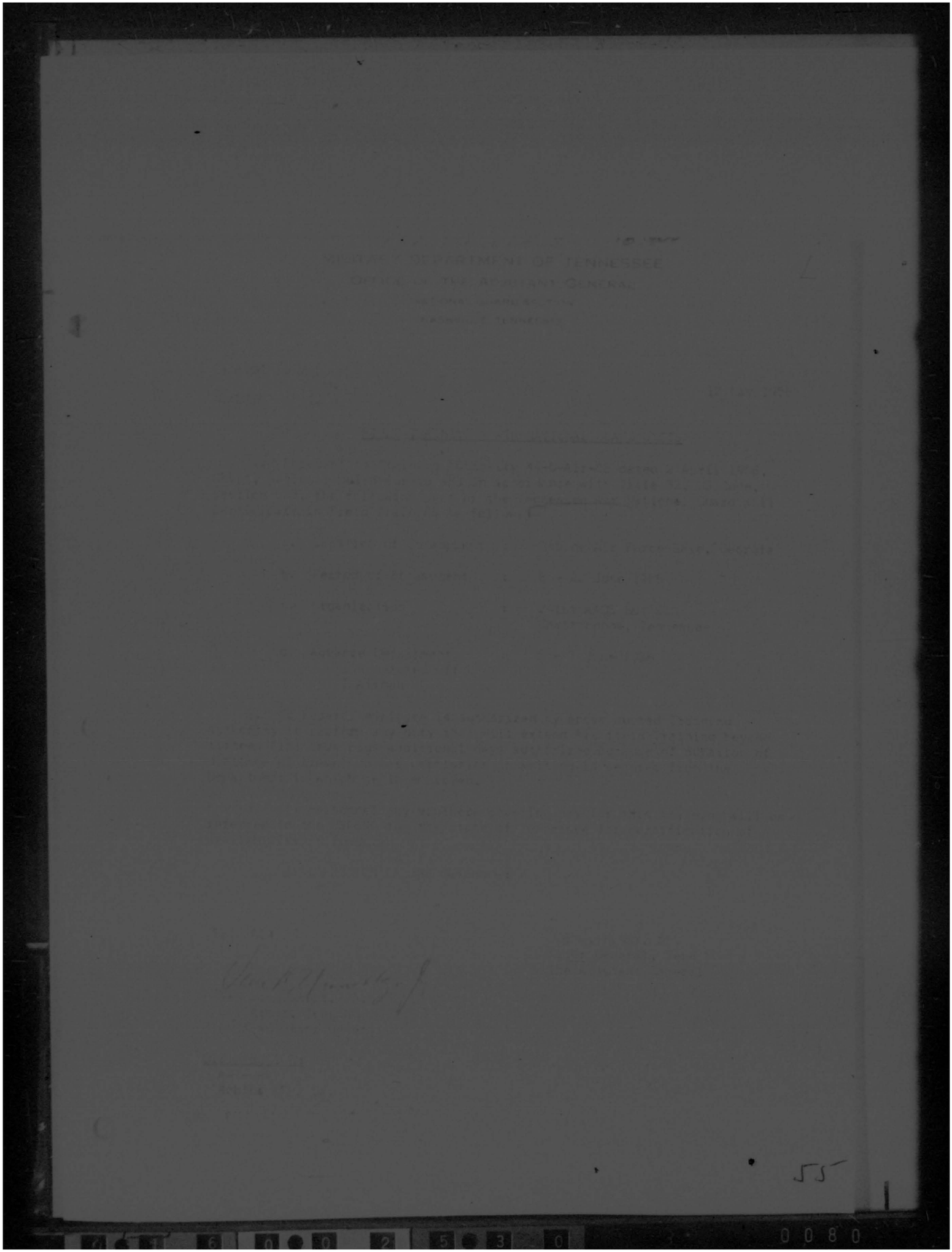

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TNG 11-5
1158 .M

13 July 1958

SUBJECT: Air Force Adviser's Report of Completed AFRC Field Training, ACS: CSF-58

TO: Senior Air Force Adviser
Tennessee Air National Guard
Berry Field
Nashville 10 Tennessee

TO: Commander
Fourteenth Air Force
Robins Air Force Base, Georgia

1. Reference is made to Comd Regulation 50-15, as amended and supplemented, dated 3 August 1955.

2. Summer encampments of this unit in 1956, and again in 1957, were held at Tinker Air Force Base, Oklahoma, with the 108lst AACS Gp I Group acting both as host and advisory unit. Reorganizations within the AACS structure since the aforementioned times have led to the deactivation of that unit. Accordingly, the 1958 Summer Encampment of this unit was held at Robins Air Force Base, Georgia, 8-22 June, inclusive, with the 1809th AACS Sq I Squadron acting in the capacities formerly discharged by the 1081st AACS Gp I Group.

3. The 1809th AACS Sq I Squadron is responsible for all AACS Gp I functions in the Southeastern States, Texas, Panama, and Puerto Rico.

4. The reference letter action taken by myself prior to past encampments was not necessary this year. The 1809th had taken complete action well in advance of the encampment period to insure that the officers and airmen of the unit would be properly billeted and messed.

5. Unit strength and distribution as of 22 June 1958 is as shown below. The date is stipulated because of certain troop movements made during the first part of the encampment period. Reference is made to Paragraph 7e of this report.

	Officers	Airmen
[illegible] Schools	0	0
[illegible]	0	0
Leave	1	2
[illegible] training	0	23
At Robins Air Force Base	13	69
At [illegible] location	0	92
	14	186

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AFB, Ga/1st AACS Sql Sq., Chattanooga 2 Tenn, Subj: Air Force Adviser's Report of Completed AFRO Field Training, 18 Jul 58, RCS: CSG-65 .

6. As in 1956 and 1957, the officers and airmen of this unit worked on actual and current Air Force projects. The actual work was performed under supervision of personnel of the 1009th AACS I & I Squadron, who gave aid and assistance to our men when job aspects were beyond their capability, and to insure that AACS Quality Control standards were complied with. A few of our men are capable of working entirely without supervision, but they are in a minority. By and large, our men are cooperative youngsters with no prior military service. Supervision therefore benefits both the airmen and the best interests of the Air Force. Aside from the officers and airmen at Robins Air Force Base, only 8 technical hours were at end Location, a slight decrease from 1957 figures.

7. Placement and mission of the team for the 1958 encampment is as follows:

a. Robins Air Force Base Georgia

(1)	Unit Administration	1009th AACS I&I Sq
(2)	Unit Supply	1009th AACS I&I Sq
(3)	Installation	1009th AACS I&I Sq
(4)	Installation Engineering	1009th AACS I&I Sq
(5)	Power and Heater	1009th AACS I&I Sq
(6)	Technical Assistance	1009th AACS I&I Sq
(7)	Drafting	Base Installations
(8)	Electrical and Woodworking	Base Installations
(9)	Sitting	Base Installations

b. Bowers Air Force Base Tennessee: Two officers and five airmen relocated and rehabilitated an AN/FSG-1A. The job was completed prior to the end of the encampment and the crew integrated temporarily into the 1009th AACS Squadron's routine maintenance program.

c. Dayton Johnson AF Base: One officer and fourteen airmen disassembled, removed and installed a FPQR facility at a new location.

d. Campbell Air Force Base Kentucky: One officer and seven airmen studied [illegible] tactics and preventive maintenance procedures, participated modifications on [illegible] control tower equipment, received a school on FPQR maintenance, installed an AN-197 removal, hand cabling and redressed number six strips, and studied tuning and maintenance procedures pertaining to TR-XXX equipment.

e. Columbus Air Force Base Mississippi: Two officers and eleven airmen [illegible] to accomplish their mission through no fault of [illegible] effective construction was in progress at [illegible] and billeting arrangements had

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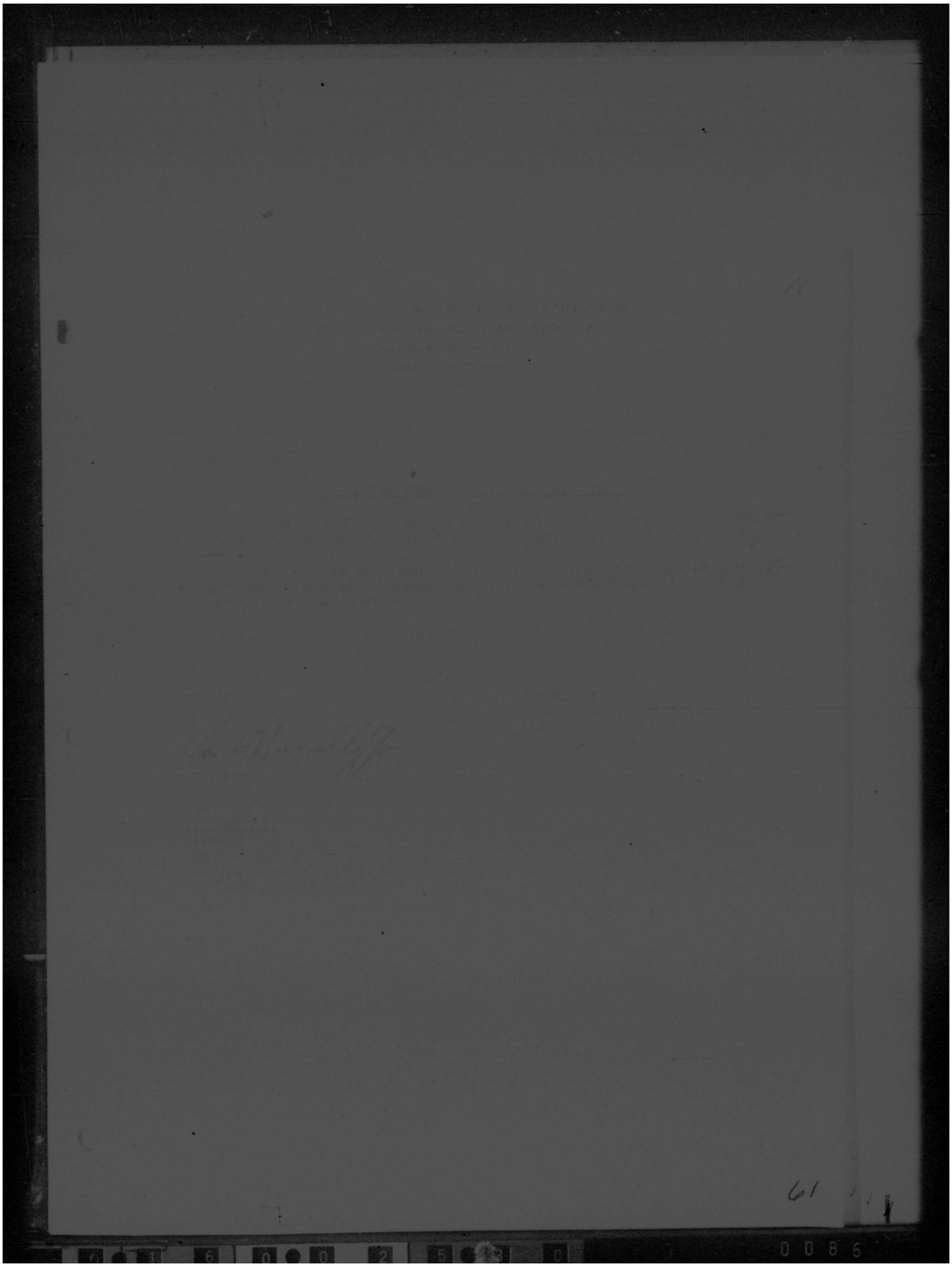

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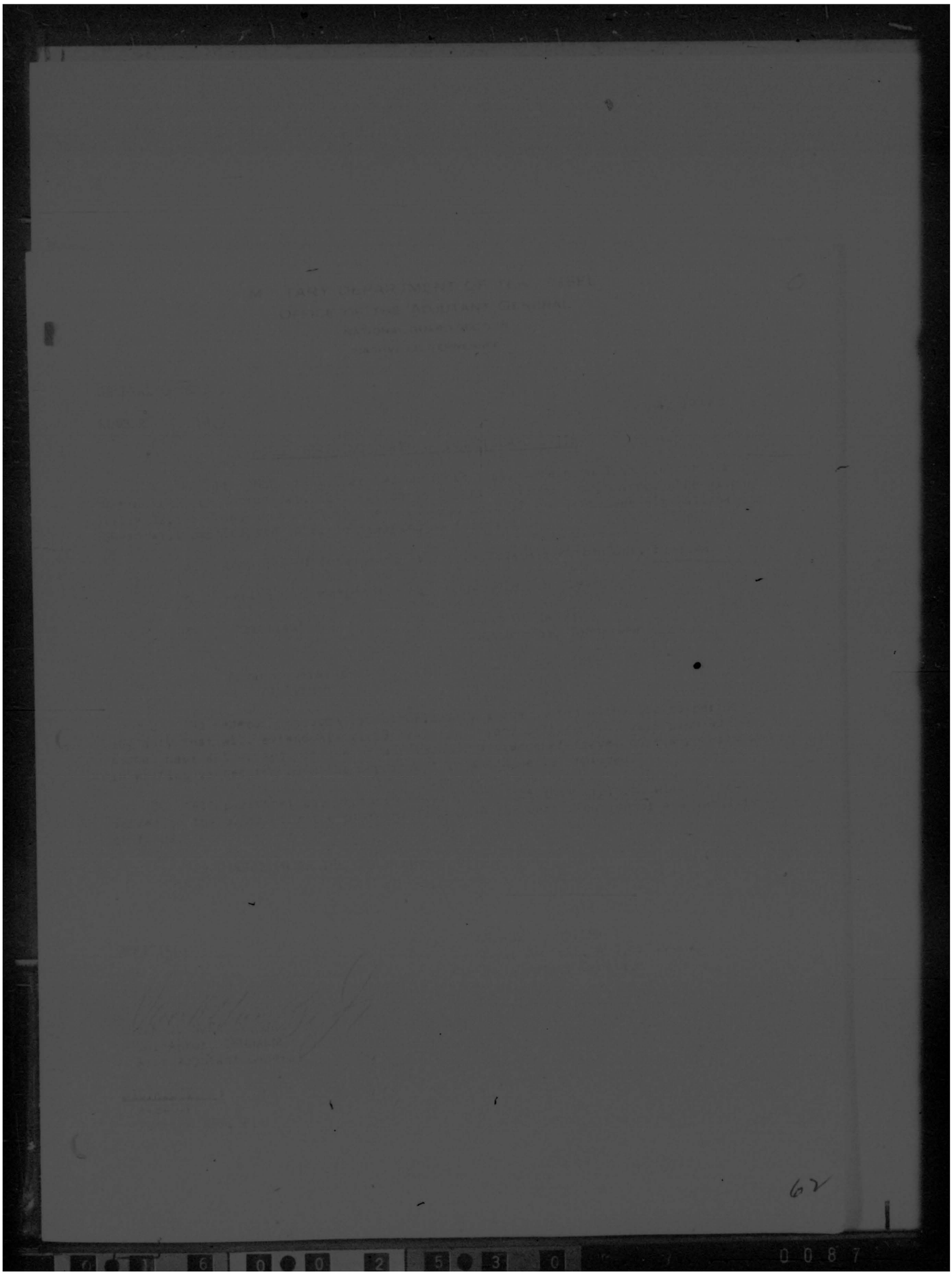

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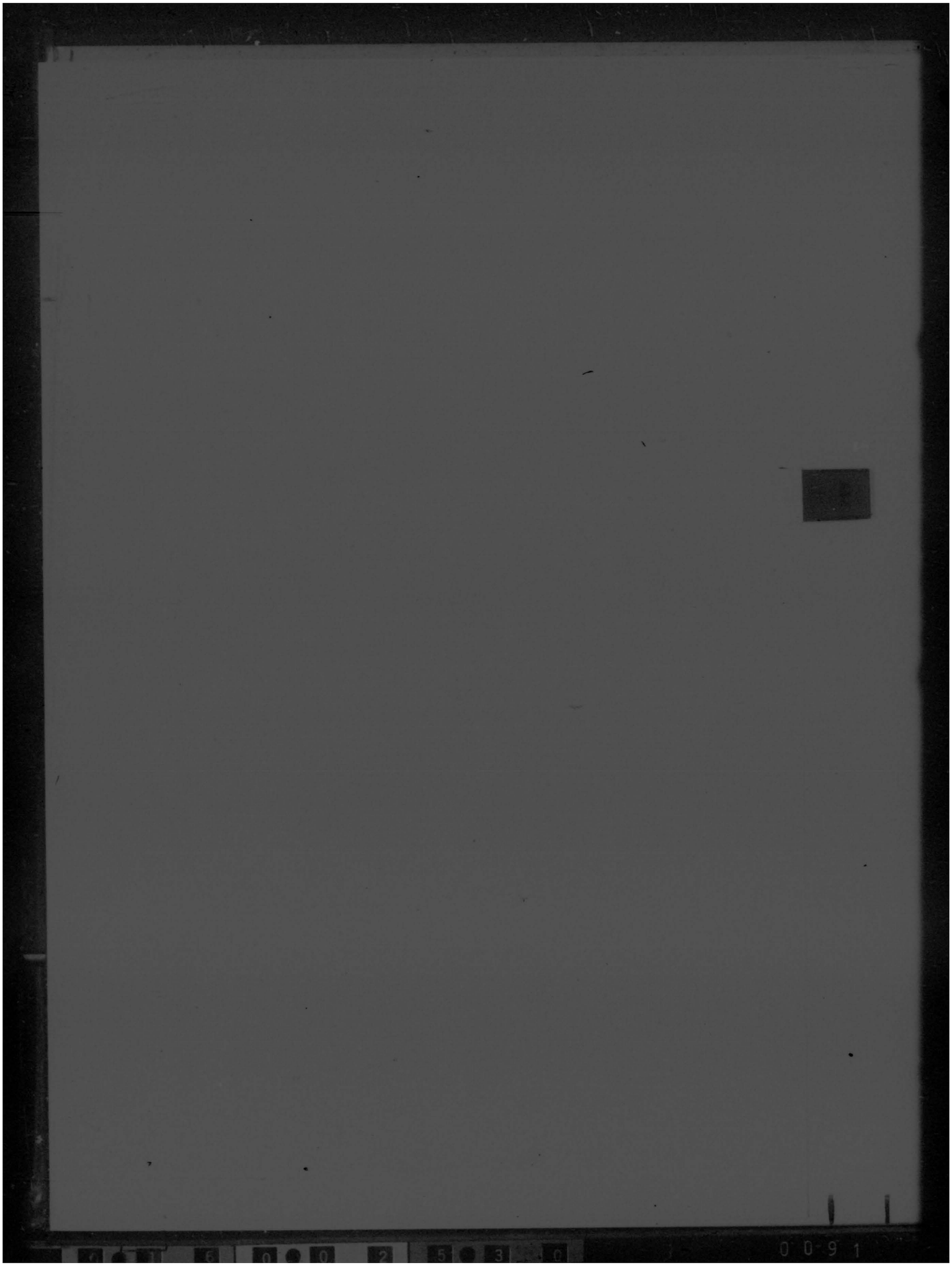

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HISTORY

of

PACIFIC CHINA REGION (AVC)

1 January 1960 through 30 June 1960

Approved by:

John P Grant

JOHN P. GRANT
Lt Col USAF
Deputy Commander

Prepared by:

Martin B Little

MARTIN B. LITTLE
DAFC GS-13
Region Historian

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INTRODUCTION

This semi-annual historical report from the Pacific GEEIA Region for the first half of Calendar Year 1960 covers those items which were considered most noteworthy by the Commander and the various Staff Officers concerned. In general format it has been arranged as follows:

Region Mission

Command

Manning of Directorates and Staff Offices

Command Summary

Administrative Report

General Accomplishments

Directorate and Staff Office Reports

- Programs and Requirements
- Installations
- Engineering
- Quality Assurance—Ground Safety
- Material

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PACIFIC GEEIA REGION (AMC)
APO 323, San Francisco, Calif.

MISSION:

The mission of the Pacific GEEIA Region as defined in GEEIA Regulation 23-1, dated 9 January 1959, is: To implement the field engineering-installation portions of the USAF Ground Communications Electronics Program within the assigned area of responsibility and to perform such other functions as directed by the Commander, GEEIA. The geographical area of this Region is that part of the Pacific and Far East Area that begins at the Hawaiian Islands Chain and extends west to the 90° East Meridian. This does not include any part of Alaska.

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COMMAND:

The Pacific GEEIA Region during the period from 1 January 1960 until 28 March 1960 continued under the command of Lt Col John P. Grant, with Lt Col Allen R. Worley as Deputy Commander. On 28 March 1960, Colonel Thomas S. Bond, Jr. Assumed command, whereupon Lt Col Grant became Deputy Commander and Lt Col Worley was temporarily assigned duties as Executive Officer. Lt Col Worley was later designated as Commander of Pacific GEEIA Region Detachment 1, to be established at Wheeler AFB, Hawaii.

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During this reporting period the Staff Offices and Directorates of the Region were manned as follows:

Director of Engineering	Major (later Lt Col) John D. Webb
Deputy Director of Engineering	Mr. Stan S. Witowski, GS-15
Director of Installations	Major Dean M. Isaak
Director of Materiel	Mr. John E. Bourath, GS-12
Chief, Programs & Requirements	Major Paul C. Brogger
Deputy Chief, Programs & Requirements	Mr. John A. Littleton, GS-13
Chief, Personnel and Admin Services	Capt Russell J. Schwenke
Chief, Quality Assurance	Capt Donald C. Wolfe
Deputy Chief, Quality Assurance	Mr. Martin E. Little, GS-13
Hawaiian Liaison Officer	Major Fremont A. Bette

In the Directorate of Engineering, which was by far the largest of the offices named above, the four divisions were headed as follows:

Nav Aids Division	Mr. Leo N. Parlavecchio, GS-11
Telecomm Division	Capt Frank A. Howton
Engineering Control Office	Capt Bernard J. Morley
Engineering Support Division	Mr. Folke N. Ottosson, GS-12

Mr. Ottosson, the Pacific CAFIA Region employee with the longest term of service as a CAFC in the Far East, first with the 1855th AACS (IAM) Squadron which after five changes of name was finally incorporated into the Pacific CAFIA Region, was forced into retirement by failing health. His successor, however, had not been selected at the end of the reporting period.

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At the beginning of this reporting period, the Pacific CESAA Region faced the carry over of several problem areas from the previous six months. The most critical of these was the implementation of Call Service Contracts. In the previous period much effort was expended in attempting to negotiate Call Service Contracts. These negotiations had been hampered by two factors. First, a confused fund situation during July, August and early September, and secondly, by the inability to establish a firm position with the MATAP contracting officer for negotiations. Final outcome was to utilize SEAVA as the prime contracting officer. As of December 1959, contracts were in SEAVA's PCO officer's hands. Negotiations were virtually complete when Hq CESAA withdrew the funds. Funds were restored at the beginning of this reporting period and the initial block of Call Service Contracts were obligated 8 January 1960. The long negotiation period severely reduced the engineering capability for producing engineered schemes and added to the difficulty in managing the P437 fund area, since the Financial Planning had been based upon having call service engineers on board beginning in October 1959. As detailed elsewhere in this report, subsequent negotiations for Call Services proceeded much more smoothly.

A second carry-over problem was the inventory and disposition of materials stored in Building # 926, 2875th Squadron's warehouse. With the help of a CESAC team, identification, inventory and disposal actions were completed expeditiously but not without some impact on the installation schedule. A number of schemes requiring short materiel lead time had been engineered on the basis of the engineer's personal knowledge of the availability of items in this warehouse which had not been catalogued.

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Since these items had not been listed on the formal bill of materials of the scheme, and they had not been called out and earmarked prior to the disposal action prior to the disposal action which had resulted in many of the items being dumped in the local salvage yard, additional engineering work and slippage of the schemes involved was inevitable.

The third roblem is a perennial one in the communications-electronics engineering and installation activity: that of obtaining timely and adequate materiel support from CESAC. Continual improvements have been noted in this problem area; however, it does not appear that full resolution is possible without resorting to extensive procurement action for minor hardware items by the Region to supplement CESAC support.

The problem of producing engineered schemes at a rate commensurate with new workload coming to the Region continues to exist, and will continue until engineering capability and engineering effectiveness are developed to a point where the Region engineering capability is equivalent to the new work load being placed on the Region.

Carried over from the previous reporting period were several plans for reorganization. The Installations Division was deleted from the Directorate of Engineering-Installations and reestablished as the Directorate of Installations. Other changes planned but held in abeyance pending the arrival of Colonel Bond were: the deletion of Contractual Requirements from the Directorate of Engineering and placing it under the Director of Materiel, the delegation of the workmanship portion of inspection from Quality Assurance to the Squadrons, and the withdrawal of the authority to procure hardware and minor items from the Squadrons and to consolidate this function under the Directorate of Materiel.

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Staff Offices and Directorates position as of the end of this reporting period, as viewed by the Command Section, is discussed below:

The Personnel and Administrative Services Staff Office is operating in a smooth and effective manner. During this period there has been continual improvement in their operation. Over-all evaluation -- This Staff Office is doing an efficient and effective job.

The Plans and Programs Staff Office, now renamed Programs and Requirements since this nomenclature more clearly reflects the responsibility of the office, has been growing in effectiveness at a very rapid pace. As a result of a conference at Hq GEEIA, the Regions were delegated full responsibility for assuring the accuracy and completeness of the M-1 Report. This responsibility is one that the Pacific Region had been trying to assume since the advent of the M-1. The major workload in the Programs and Requirements Staff Office has been, and continues to be, that of identification and validation of workload listed in the PCSP as well as in the log books that were maintained by SAMAP, NAVAP and the 1585th AACS Installation Squadron prior to consolidation. Coupled with this identification and validation problem has been the one of establishing firm operational Rates and realistic scheduling. Toward this end, a conference was called at Region Headquarters during 25 April-13 May 1960 for the purpose of updating the PCSP by red-line techniques. Representatives from Hq GEEIA and all command elements supported by the Pacific Region were participants. The result of this conference was to firmly establish the validity and realistic scheduling of all workload.

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Toward the latter part of this reporting period, the function of Workload Analysis to isolate areas requiring senior level management was under way. Late in the reporting period, the use of the Remington-Rand Sked-U-Graph was adopted. This visual display of status, action requirement and follow-up had been developed in concept by Lt Col Grant and procedures are being established. The final implementation was turned over to Capt Hubert Shackelford who was temporarily serving as Special Projects Officer. The Programs and Requirements Staff Office is evaluated as doing an effective job, with the potential for much increase in effectiveness.

The Quality Assurance Staff Office continues to be a source of engineering talent to support the Directorate of Engineering. As a consequence of this continued diversion of their personnel, the Quality Assurance inspections were confined to installations that were either extensive or complex. For simpler installations, Quality Assurance inspections were either waived or held in abeyance until such time as a Quality Assurance engineer could make an inspection as a portion of another job in the area. The over all evaluation of the Quality Assurance Staff Office is that it has continued to improve the effectiveness of the organization. As of the close of this reporting period, the Quality Assurance Office is perhaps the most smooth running activity in the Region.

The Directorate of Engineering has from its inception fought the problem of raising the work output of each engineer. The necessity for taking two steps to raise the effectiveness of individual engineers was apparent: first, to minimize the administrative detail and conference attendance by each individual working engineer, and second, to minimize the engineering effort expended in Tech Assists to the Operating Commands.

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The formation of an Engineering Control Office in the early part of this reporting period was a step toward concentrating administrative detail, status reporting and conference attendance to a few individuals and, therefore, permitting each working engineer to devote more of his time to productive engineering. For example, during the early part of 1960 approximately 60% of the working engineer's manhours was been devoted to Technical Assists to the Operating Commands. Colonel Bond instituted a limit of 25% of engineering manhours that could be devoted to Technical Assists. Both procedures produced tangible benefits. The engineering capability in terms of scheme outputs still remains below the new work being absorbed by the Region. The use of Call Services Contracts absorbed some of the peak workload; however, the management of Call Service engineering support has been complicated by the inability to rapidly divert Call Services engineering effort from the original work statements to work load having more immediate urgency. This management problem has been discussed with Mr. Finch of SMAMA and Colonel Kauffman of the Western CEMIA Region in an attempt to overcome the difficulties encountered with Call Service Engineering under definitive work statements.

An over-all evaluation of this Directorate is that a great deal more management effort and increase in number of working engineers will be necessary before the Directorate of Engineering capability will equal the requirement placed on it. Continuation of Call Service engineering assistance through FY 61 will be necessary to absorb peak workload.

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The Directorate of Installations was activated early in this reporting period. Under the new organization, the Directorate of Installations was given some engineering capability to enable that organization to have under its direct control engineering talent that would be capable of assuring that rehabilitation schemes are properly engineered and that engineering problems arising during the rehabilitation would receive their special attention. Also within the Directorate of Installations was formed the Quick Reaction Capability, based on General Neal's delegation of authority to the Region for expenditure of funds in support of unprogrammed actions that are minor in extent, November 1959. This Quick Reaction Capability was for the purpose of responding rapidly to needs of the Operating Agencies for minor relocations and removals or consolidations of C-E facilities on-base. Engineering talent was placed within the Directorate of Installations to assure that these actions were properly engineered and would perform technically to meet the needs of the Operating Agencies. Utilization of Quick Reaction and Rehabilitation has been growing substantially throughout this reporting period. Directly under the Directorate of Installations has been the problem of utilization of the Installation Squadrons. One of the basic objective established for this reporting period was to provide the Installation Squadrons with a minimum of 150 days advance planning period for all installation workload. Since the consolidation of the Pacific area engineering and installation resources into the Pacific CEMIA Region, the workloading of the Installation Squadrons had been pretty much on "hand-to-mouth" basis. This type of operation made it most difficult to assure a high utilization rate. Considerable progress has been made toward assuring

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a longer-term projection of installations workload. Utilization rates of the squadrons have been below that desired and have been influenced by two major factors: the lack of material and unbalance in AFSC's authorized by the HHD as compared to requirements. The materiel support problem has been complicated quite severely by the number of old schemes in the Pacific area on which partial shipments from CESAC have been authorized and accepted. Some of the old schemes have been in this area for as long as three to five years without the necessary major items to permit installation. The materiel aspect of cleaning up these old schemes will be covered under the summary of the Directorate of Materiel. Materiel support problems for the new workload (i.e. workload based on engineering accomplished after consolidation of E-I resources into the Pacific CEEIA Region) are under better control although much improvement is necessary before utilization rates can average 80% or better. Over-all evaluation of the Directorate of Installations is that much improvement remains to be accomplished; however definite progress has been made toward meeting the objectives of high utilization rate of installation personnel and long term planning.

The Directorate of Materiel has faced a continual problem of procuring minor and hardware items to supplement CESAC's materiel support. Many difficulties have been encountered in obtaining rapid and effective support through the Base facilities. A briefing given by Colonel Bond during a conference with Base Purchasing and Materiel personnel regarding our support problems has done much to clear the air and assure that we will obtain timely support from the Base facilities. One of the major problem

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areas in the Directorate of Materiel stems from schemes that were engineered and placed as a supply requirement against CESAC prior to the activation of the Pacific CONUS Region. In almost every case, partial shipments of both major and minor items were sent to the Pacific Area for these schemes and the materials on hand have been inadequate to start installation. Some of these materials have been in storage in the Pacific area for as long as three to five years. With the passage of time, records and actual material have been lost and re-supply action from CESAC has required continual effort. Fortunately the majority of these old schemes are now out of the system, and materiel support through CESAC in the future will be based on a policy that material will not be called out for shipment to the Pacific area unless it is adequate enough to permit finishing the installation within a reasonable time after shipment. The storage of partial shipments should be reduced to a minimum in the near future. Major effort in support of schemes by the Directorate of Materiel in the future should lie in the procurement and delivery of minor and hardware items that cannot be supplied through CESAC channels. Over-all evaluation of the Directorate of Materiel indicates that this Directorate is in need of a major management effort to assure the Materiel support of the Region.

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ADMINISTRATIVE REPORT

Administrative Branch Activities: No problems of importance arose during the period from 1 January 1960 to 30 June 1960, and administratively speaking, the Branch and all activities of the headquarters and subordinate squadrons functioned smoothly. This was evidenced by the results of scheduled administrative inspections of all activities conducted by the Administrative Branch personnel during this period.

A special Inspection of all personnel and administrative functions of the headquarters and the 2875th GEEIA Squadron by members of the Air Materiel Force, Pacific Area (AMFPA) Inspector GeneralIs Office was conducted during May 1960 at the request of the Region Commander. Although many minor discrepancies were noted, there were no major discrepancies and an over-all rating of SATISFACTORY was given. All discrepancies noted during this inspection were corrected by 30 June 1960.

Decentralization of classified files was completed during this reporting period.

The Special Orders Section was transferred to this Branch from the Personnel Branch and an AlC, 70250, and one Japanese National typist were assigned to man the Section. Another AlC, 70250, arrived from the Z.I. and was assigned as publications and File Clerk. There were no personnel losses during this reporting period.

Separation of Branch activities became necessary due to the lack of space in the Personnel and Administrative Services Office. The Special Orders Section and Publication & Forms were moved into Room 211, Building 1865. The Chief, Assistant Chief, Message Center, Classified Section and Mail Section remained in Room 204, Building 1865.

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A breakdown of classified and unclassified communications processed by the Branch follows:

CLASSIFIED

Incoming	Outgoing	Destroyed
820	298	874

UNCLASSIFIED

Incoming	Outgoing
7,054	8,139

There was a total of 55 directives (HOI's, Regulations and Supplements) published and distributed during this period. This includes revision.

Personnel Branch Activities: During this period guidance from higher headquarters improved, and the Branch was fully manned during this period.

This Branch was inspected by AMFPA Inspector General's Offices and no discrepancies were noted that could not be corrected on the spot.

A Quality Control Section was established within the Branch.

Training Branch Activities: Implemented a program for the fostering of competitive spirit between organizations of this Region relative to On-the-Job Training. This type program should result in a greater degree of proficiency among personnel. The NCOIC, TSgt Pippenger, rotated to the Z. I. and was replaced by SSgt Garnett.

Reports Control Branch Activities: No problems of importance were encountered during this reporting period. A complete list of recurring reports was published and distributed to all concerned in the form of an Attachment to Pacific GEOIA Rgn Regulation 171-1, Operation of the Reports Control System.

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Civilian Personnel Branch: Region wide, the DAFC, CTS and Foreign National personnel authorizations and assignments at the end of each month during the six months period were as follows:

	DAFC		CTS		FN	
	Auth	Asgd	Auth	Asgd	Auth	Asgd
Jan	48	46	74	67	83	80
Feb	48	46	74	68	83	80
Mar	48	47	74	67	83	79
Apr	56	49	86	75	96	92
May	56	47	86	76	96	94
Jun	56	47	86	76	96	94

One DAFC GS-4 Clerk Steno space was withdrawn from the Quality Assurance Office and assigned to the Liaison Office in Hawaii and later to Detachment 1.

One DAFC, Mrs. Mary K Panfiloff, secretary to the Director of Materiel, was awarded an "Outstanding" performance rating by Headquarters AMTPA.

Manpower Branch Activities: Detachment 1, Pacific GEEIA Region, APO 953, was activated effective 1 June 1960 with operationally effective date of 1 August 1960. The authorizations for this detachment will vary from 19 to 21 positions. The Detachment is commanded by Lieutenant Colonel Allen R. Worley. The planning and logistical support problems were worked out by the staff elements of Pacific GEEIA Region. Manpower spaces and personnel were internally procured. A copy of the General Order establishing the Detachment is attached.

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MISSION ACCOMPLISHMENTS:

The projects requiring concerted effort by various elements of the Region will be summarized in this section. Details of other accomplish- are given in the summaries regarding the individual Staff Sections.

USAF/USA AN/TRC-24 Exchange Project: The withdrawal of the U.S. Army from the responsibility of providing inter-site communications between Japan AC&W Stations required that USAF and JASDF assume the responsibility for operation and maintenance of these communication links. It was determined that the most advantageous method to exchange responsibility was to transfer to the U.S. Army those assets programmed for these AC&W communication links, and for the USAF/JASDF to take possession of the Army installed assets, since the U.S. Army wanted equipment and not fund credits. To the extent that USAF AN/TRC-24 assets were on hand as a result of previous programming action, the USAF to U.S. Army transfer was accomplished.

Sado Shima Air Station: Sado Shima Air Station is an AC&W Site located on an island in the Japan Sea some sixty miles off the northwest coast of Honshu, Japan. The location of the AC&W site is on top of the central mountain of the island, noted for its severe winter snowfall, wind and icing conditions. During the height of the winter access is possible only on snowshoes, and the wind and ice play havoc with radio antenna installations. In addition, early in the winter a fire destroyed virtually all the communications equipment located in the operations area receiver building. Emergency installations were accomplished expeditiously and permanent restoration was completed during June 1960.

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Tomari Relay: As a result of the USAF/U.S. Army AN/TRC-24 transfer, an urgent requirement developed for a relay capability at the Tomari AC&W Site. The entire project from initial programming in November 1959 to the project completion on 19 June 1960 required a maximum effort since the programming approval was not obtained until 11 April 1960. Supply problems on cables and connectors hampered expeditious accomplishment.

Dial Telephone Addition at Clark AB, Philippine Islands: This installation was well under way when the supply action on telephone instruments was found to be inadequate. The telephone instrument problem developed from a change in procedure after the scheme was written. This change shifted procurement of telephone instruments from Base Procurement to CESAC. The problem was made more acute by the fact that Clark Air Base, on the basis of our estimated date of completion of the project, had issued RIF notices to the telephone operators who had been employed on the manual switchboard. The problem was resolved by emergency procurement of items to convert instruments at Clark to dial operation and by diversion of telephones from a Kadena AB, Okinawa telephone scheme. These actions were made possible by the excellent cooperation from the 1962nd AACS Group at Kadena, 1961st AACS Group at Clark, AMPPA Procurement, Hq GEEIA and CESAC.

Falcon Stadium Drive: The entire Region got behind the Falcon Stadium Drive. The accomplishment of the 2875th GEEIA Squadron is particularly noteworthy since they were the first organization to collect over $1,000 and four of their personnel became members of the $100 Club. The present total for the Region and the two Squadrons is in excess of $2,000.

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Armed-Forces Day Exhibit: An accomplishment in the field of community relations was Pacific GEEIA's participation in the open house activities of Tachikawa Air Base on Armed Forces Day. The Region and the 2675th GEEIA Squadron set up and manned an exhibit to show GEEIA activities and to emphasize the U.AF Japanese teamwork in accomplishing the combined defense mission. Bilingual attendants were provided by the Region to explain the exhibit, which attracted numerous Japanese college students, many of whom were greatly interested in electronics.

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Two problems which arose during this reporting period: The first was a temporary one, but one which constituted a major interruption of Region output. This was Project Count, a world-wide inventory of Communications-Electronics assets, begun in February, 1960. All installation work except dire emergencies was brought to a halt while installation personnel were occupied with the inventory. It also slowed down the Directorates of Installation and Materiel, both of which supplied personnel to take part in the inventory project. The second problem, involving courier service, was brought on by the division of the Region into two parts separated by the width of Tachikawa Air Base and a transportation economy measure which resulted in the Region losing the vehicle assigned for courier service. This vehicle was used for four courier trips per day on a fixed schedule plus special trips as required, providing ready coordination between the various directorates and staff offices. During March 1960, this vehicle was withdrawn because the mileage it traveled was below an arbitrarily set minimum required for the assignment of a vehicle. Thereafter, the courier was obliged to call for a vehicle with a driver from the Base Motor Pool for each trip required. With the advent of this system, the courier service at once lost its usefulness as a means of expeditious communication. Vehicles were rarely available at the time they were required, delays of as much as an hour being common. Courier runs became completely unpredictable as to schedule, and one or more runs were omitted on some days. The result has been that staff officers could no longer depend on the courier for matters requiring expeditious handling, and began hand

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carrying all such items, utilizing their own cars or scheduled bus buses for transportation. The over-all economy of the withdrawal of the assigned vehicle from the Region is, therefore, extremely questionable.

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PROGRAMS AND REQUIREMENTS OFFICE

MISSION: The Programs and Requirements Officer is responsible to the Commander, Pacific GEEIA Region, for the managing and accomplishing of the programming, scheduling, analysis, and financial functions and responsibilities of the Pacific Ground Electronics Engineering-Installation Agency Region as set forth in Pacific GEEIA Region Regulation 23-2, dated 16 May 1960, a copy of which is attached to this report.

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ORGANIZATION: The revision of the organizational structure of the Plans and Programs Office in accordance with Pacific GEEIA Regulation 23-2, dated 16 May 1960 included the redesignation of its title to Programs and Requirements Office as well as establishing three Divisions and six Branches. Attention is invited to the organizational chart, Attachment No 1 of the copy of the regulation accompanying this report.

ADMINISTRATIVE PROGRESS AND PROBLEMS:

Throughout this reporting period, the Programs and Requirements Office was undermanned. Although the personnel shortage was relieved in some areas by the acquisition of new personnel, the lack of administrative personnel with which to effectively accomplish the mission of this Office continued to be a problem. There were approximately 928 hours of administrative overtime worked during this six months. A decentralized filing system was established. As a result of the establishment of a very effective system for maintaining the suspenses on distribution for the office, the problem of delinquent correspondence was resolved. An efficient method of handling classified material throughout the three Divisions with proper safeguards was also put into operation.

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MISSION PROGRESS AND PROBLEMS:

PROGRAMMING: This function has improved greatly during the reporting period. Processing normal programming actions were handled in an expeditious manner. Additional personnel are required to perform periodic visits to commands to accomplish a joint review of programming and installation schedules as prescribed in T.O. 31-1-8 dated 16 May 60.

IMPLEMENTATION: The ROAMA Communications-Electronics-Engineering Installation Schedule H1 Report contains approximately 1750 schemes. The Region workload has been validated against the Program Communications-Electronic Support Programming and approved programming actions in order to purify both the PCSP and H1 Reports. The results have aided Pacific GEEIA Region and the commands concerned.

SYSTEMS DEVELOPMENT AND ANALYSIS DIVISION: Workload reports were distributed to all Directorates during this period which indicated present and future workloads.

FINANCIAL DIVISION: The final obligation rate for Fiscal Year 1960 P-437 Funds was 99 percent. Funds obligated in the 0790 contractual services area during Fiscal Year 1960 amounted to $900,000.00

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ADDITIONAL REQUIREMENTS: During June 1960 additional personnel requirements were submitted to Hq GEEIA. Eight additional personnel were justified.

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PROGRAMS AND IMPLEMENTATION

DIVISION

HISTORICAL REPORT

1 JANUARY - 30 JUNE 1960

1. The Programs and Implementation Division was originally composed of one Branch. During this period it was determined that the functions of the Program Control Branch and the Operation Plans Branch should be consolidated within one Division known as the Programs and Implementation Division with two branches: The Program Branch and the Implementation Branch as set forth in PACGERR 23-2, dated 16 May 1960. The Division is responsible for accomplishing the programming and workload scheduling mission of Pacific GEEIA Region.

2. During this period a constant effort was made to update the ROAMA H1 Report and the PCSP. Numerous committees were formed to aid in the updating process to purify the H1 and PCSP and submit required reports to Headquarters GEEIA.

The Pacific GEEIA H1A Report was suspended indefinitely due to the inability of ZPPO to maintain two such management documents.

3. The following documents were received during this period.

a. The PC document	dated	Jan 60
The PCSP document	dated	Feb 60
The PCSP instructions	dated	April 60
T.O. 31-1-8	dated	May 60
T.O. 31-1-11	dated	June 60

Numerous changes were included in the above documents which clearly define Programming Methods and P C Program Implementation.

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A PCSP/H1 reconciliation conference was conducted at this headquarters during the period 25 April through 18 May. Representatives from ROAMA, GEEIA, PACAF, PACAACS, 13th AF, 5th AF and other commands were in attendance. This conference was conducted for the purpose of realigning the PCSP and H1 Report to reflect actual installed and programmed equipment and to make both documents realistic and useful to all parties concerned. An estimated 14,000 manhours of administrative work were saved based on approximately 6000 changes to the PCSP. The red-lined document was hand carried to ROAMA by ROAMA/GEEIA conference representatives to expedite processing. Distribution of the red-lined PCSP is expected in July 1960.

4. PC-PCSP Distribution - The PC Document is a Headquarters USAF quarterly publication. Distribution is made directly to Pacific GEEIA Region. The PCSP is a ROAMA publication. Distribution is made directly to Pacific GEEIA Region in 4 copies. Pacific GEEIA formerly was furnished PCAM deck and changes, from which AMFPA Statistical Services periodically reproduced and distributed copies of the PCSP to using command elements. This practice has been discontinued. In the future PACAF will be furnished PCAM cards and distribute PCSP listing to using command elements.

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5. The Programs Control Branch consisted of one DAFC GS-12 at the start of this period. The Operation Plan Branch consisted of one officer and four sergeants. At the end of this period seven personnel were assigned to the Programs Implementation Division as follows:

PROGRAMS BRANCH			IMPLEMENTATION BRANCH		
Lt	1	3034	Lt	1	3034
MSgt	1	30471	CMSgt	1	30491
			MSgt	1	30472
			SSgt	1	36150
			SSgt	1	304508

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FINANCIAL DIVISION

HISTORICAL REPORT

1 JANUARY - 30 JUNE 1960

1. The mission of the Financial Division is set forth in PACGERR 23-2, dated 16 May 1960. This mission is accomplished through the Budget Branch and the Financial Management Branch. The Financial Control Branch performed the financial management mission during the first four months of this period.

2. Authority was received from ROAMA on 28 December 1959 to commit and obligate minimum and essential 3rd quarter requirements pending receipt of the allotment. This authority was disseminated to host comptrollers, and, all elements within Headquarters PACIFIC GEEIA Region. On 19 January 1960, funds were provided for majority of priority one through three contracts and for fixed costs (i.e. payrolls, travel, etc.) through 15 February 1960. The fund allotment for the 3rd quarter was issued on 26 February 1960 and established the following limitations:

	COMMITMENT LIMIT	OBLIGATION LIMIT
P437	$1,318,260	$1,225,510
P428	96,200	96,200
Totals	$1,414,460	$1,321,710

3. During the month of February, CESAC funds in the amount of $50,000 were withdrawn per our recommendation. This revised the annual P428 CESAC program from $146,200 to $96,200.

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4. On February 12, 1960 the FY61 Financial Plan was forwarded to Headquarters GEEIA. The following amounts were requested in this Plan:

P437	$732,400
P438 (Housekeeping & Adm.)	79,500
P438 (Mission Peculiar)	33,600
P438 (CESAC)	75,900

5. During March the Financial Management Committee, Headquarters Pacific GEEIA Region was re-established to provide a more effective means of effective staff participation in the dealing with funds provided to this Region. As a result of meetings held by this committee, available funds were allocated to areas of highest priority and problem areas monitored to accomplish financial objectives. As recommended by the Financial Management Committee, $100,000.00 of third quarter funds was returned to Headquarters GEEIA. This surplus resulted from requirements which had been estimated for the third quarter and had slipped into the fourth quarter FY60. The financial obligation percentage of P437 funds at the close of the third quarter was 97 percent.

6. The FY62 Budget Estimate was hand carried and presented to Headquarters GEEIA during early April 1960. Scheme requirements were supported by 5" x 8" cards which indicated the following requirements:

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a.	TDY	$444,076.00
b.	Local Purchase	67,490.00
c.	Contractual	130,320.00
	Total	$641,886.00

The FY62 Budget Estimate was submitted on the same premise as the FY60 Financial Plan in that this organization would be located on a non-AMC host base.

7. Additional on-call engineering type services contract requests were forwarded to SMAMA for processing. The amount of these call contracts exceeded $200,000.00. Additional P437 funds in the amount of $134,000.00 were requested to provide 9,760 manhours of engineering services which were not included in the approved Annual Budget Authorization.

8. The Fourth Quarter allotment was received on 21 April 1960 and established in the following annual limitations:

a.	01 and related costs	$ 506,365
b.	02	366,000
c.	03	15,800
d.	0781	78,010
e.	0790	719,690
	Total	$1,685,855

The above excluded the additional $134,000 requested in April and received during the month of May.

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9. The $134,000.00 requested for on call contracts during the month of May was received. This revised the 0790 contractual services ABA from $749,690.00 to $883,690.00 and the ABA from $1,685,855 to $1,819,855.

10. A total of $55,000.00 was returned to Headquarters GEEIA inasmuch as these funds could not be obligated during FY60. These funds were immediately withdrawn by GEEIA. The surplus of funds resulted entirely from engineering estimates contained on purchase requests being higher than the funds required to actually award contracts. Our final obligation rate for FY60 P437 funds was 99 percent. Funds obligated in the 0790 contractual services area during FY60 amounted to $900,000.00

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SYSTEMS DEVELOPMENT AND ANALYSIS DIVISION

HISTORICAL REPORT

1 JANUARY - 30 JUNE 1960

1. The Systems Development and Analysis Division was established to accomplish the mission as set forth in PACGERR 23-2, dated 16 May 1960, through the Systems Development Branch and the Analysis Branch. This mission was performed during the first four months of the reporting period by the Programs and Analysis Branch.

2. The Branch produced workload summaries for use by the directorates of Engineering, Materiel and Installation. These summaries were extracted from information in the ROAMA H1 Report. The figures were presented in a manner which reflected workload in terms of the number of C-E schemes to be worked on in future fiscal quarters.

3. A project was undertaken to establish a complete C-E Scheme History File. The approximate number of schemes involved was 5000. This project is scheduled for completion approximately 1 August 1960. When completed the following information will be available:

a. Master cross reference file for all scheme designators.

b. Eliminate duplicate schemes.

c. Master file of scheme and job order completions, cancellations and deletions.

4. During this period the division lost one (1) JN through voluntary retirement. As of 30 June 60, assigned personnel were one (1) DAFC and two (2) airmen.

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*PACGER 23-2
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PACIFIC GEEIA REGION REGION
NO. 23-2

HEADQUARTERS, PACIFIC GEEIA REGION
APO 323, SAN FRANCISCO, CALIFORNIA
16 May 1960

Organization - Field

PROGRAMS AND REQUIREMENTS OFFICE

PURPOSE: To establish the mission, functions and responsibilities of the Programs and Requirements Office (ZPF), Headquarters, Pacific GEEIA Region.

1. Mission: The Chief of the Programs and Requirements Office is directly responsible to the Commander, Pacific GEEIA Region for the accomplishment and management of the programming, scheduling, analysis and financial control functions and responsibilities of the Region.

2. Authority: To accomplish his mission, the Chief, Programs and Requirements Office is delegated the authority by the Commander, Pacific GEEIA Region, within the limits of Headquarters USAF, ANC, ROANA, and GEEIA directives and policy, to act for and in behalf of the Commander in the following matters:

a. Guidance in and interpretation of programming directives and policies as pertains to Pacific GEEIA Region and organizations served by the Region.

b. Assignment of C-E Schemes and Job Order Designators.

c. Scheduling, by fiscal quarters, the Pacific GEEIA Region workload.

d. Assignment of priorities to accomplish the Pacific GEEIA Region workload in accordance with USAF, GEEIA, and PACAF priority lists.

e. Collection and correlation of information from Pacific GEEIA Region staff agencies and organizations served by the Region for the preparation, up-dating and distribution of the Pacific GEEIA Region portion of the GEEIA H1 Report, PACGER Monthly Activity Report, and the Commander's Notebook.

f. Analysis and evaluation of information submitted by other Pacific GEEIA Region staff agencies, organizations served by PACGER and contained in the GEEIA H1 Report.

g. Guidance in and interpretation of financial directives and policies as pertains to PACGER and organizations served by the Region.

OPI: ZPF
DISTRIBUTION: A

*This Regulation supersedes PACGER Regulation 23-2, 1 Sep 59.

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h. Budgeting and control of all funds issued Pacific GEEIA Region.

i. Developing and publishing implementing directives to accomplish the above.

3. Responsibilities: The Programs and Requirements Office is authorized three divisions with the following responsibilities:

a. Programs and Implementation Division (ZPPP): This Division is responsible for accomplishing the programming and workload scheduling mission of Pacific GEEIA Region. To adequately accomplish this responsibility the Division has two (2) subordinate branches:

(1) Programs Branch (ZPPPP):

(a) Interprets, disseminates and insures compliance by the Region staff and subordinate Pacific GEEIA Region organizations with established USAF/RCAMA/GEEIA programming policies, procedures and directives.

(b) Disseminates, interprets and develops, as required, programming policies, procedures, and recommendations to organizations served by Pacific GEEIA Region.

(c) Evaluates and processes all programming documents and correspondence received by Headquarters Pacific GEEIA Region.

(d) Assigns Scheme/Job Order Designators to valid requirements. Assigns priorities for the accomplishment of the validated Pacific GEEIA Region workload in accordance with the USAF/GEEIA/PACAF priority lists. Coordinates with other Headquarters Pacific GEEIA Region staff agencies and organizations served by Pacific GEEIA Region, as required, to effect the assignment of these priorities.

(2) Implementation Branch (ZPPPI):

(a) Schedules the approved Pacific GEEIA Region workload by fiscal quarters in coordination with other headquarters Pacific GEEIA Region staff agencies.

(b) In coordination with Headquarters Pacific GEEIA Region staff agencies, maintains and up-dates the Pacific GEEIA Region portion of the GEEIA H1 Report. If necessary, verifies the information submitted.

(c) Prepares the source and change documents for maintaining and up-dating the Pacific GEEIA Region portion of the GEEIA H1 Report, and forwards them to the Systems Development and Analysis Division (ZPPS) for further processing to Data Services for inclusion in the report.

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b. Systems Development and Analysis Division (ZPPS): Plans, develops, implements, and maintains the ADPS, EDPE, and/or PCAM procedures for the Pacific GEEIA Region in accordance with appropriate directives. Provides and distributes statistical products and procedures for the Pacific GEEIA Region. Provides operations and resource analysis, estimates and forecasts as necessary to relate Pacific GEEIA Region requirements for the operating program.

(1) Systems Development Branch (ZPPSS):

(a) Performs the necessary actions to develop, establish, implement, and maintain ADPS, EDPE and/or PCAM procedures for Pacific GEEIA Region.

(b) Monitors and analyzes current procedural and reporting operations for ADPS, EDPE and/or PCAM applicability; develops and implements required procedures upon approval of the Commander, Pacific GEEIA Region.

(c) Verifies and distributes the Pacific GEEIA Region portion of the HI Report.

(d) Establishes requirements for statistical data machine programs and procedures to obtain special analysis and status report of Pacific GEEIA Region internal management of resources, funds, etc., as directed by the Commander, Pacific GEEIA Region.

(2) Analysis Branch (ZPPSA):

(a) Receives and audits source and change documents for the preparation, by statistical data machine means, the Pacific GEEIA Region portion of the HI Report and other internal management reports.

(b) Analyzes and audits Pacific GEEIA Region reports in compliance of existing regulations and of the Commander, Pacific GEEIA Region.

(c) Provides statistical analysis of current, projected, and past operation to develop standards for cost, manhours, and projected resources requirements.

(d) Collects and correlates information from Pacific GEEIA Region staff agencies for the preparation of the PACGER Monthly Activity Report, Commander's Notebook, and PACGER briefing charts.

c. Financial Division (ZPFB): Plans, develops, and administers the Pacific GEEIA Region Budget and Financial Plan in accordance with appropriate directives. Provides and disseminates financial policies and procedures for Pacific GEEIA Region operating units. Provides financial analysis, estimates and forecasts necessary to relate financial requirements to operating program.

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PACOMER 30-2
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(1) Budget Branch (XPFBB):

(a) Compiles, consolidates and prepares the PACOMER Financial Plan, Financial Plan Revisions, Budget Estimates, and other financial requirements as directed by higher headquarters.

(b) Receives fund allocations based on the approved financial plans or, with staff participation, distributes funds according to the approved PACOMER operating program.

(c) Submits requests to host comptroller to issue necessary sub-allotments, obligation authorities or other funding documents to subordinate and/or other governmental agencies.

(d) Interprets financial directives received from higher headquarters and initiates local policies and procedures to effect a proper management of PACOMER financial resources.

(2) Financial Management Branch (XPFMF):

(a) Provides a continuous analysis and evaluation to insure funds are available to accomplish approved objectives; takes necessary action for reprogramming of funds; recommends fund utilization within the scope of current limitations and directives issued by higher headquarters.

(b) Provides adequate financial controls over all funds received by PACOMER insuring against a violation of AFR 177-16.

(c) Provides for the maintaining and updating of the financial part of the PACOMER portion of the CEEIA #1 Report.

(d) Develops and prepares internal financial reports and [illegible] necessary to present financial data in a meaningful [illegible] to the PACOMER staff.

4. Procedures: Methods and procedures used in accomplishing the responsibilities of the Programs and Requirements Office are contained in the attachments to this regulation.

FOR THE COMMANDER:

RUSSELL J. SCHUENKE
Captain, USAF
Chief, Personnel &
Administrative Services

1 Attachments (Charts)
1. Organization
2. Internal Processing of Correspondence
3. Processing of Request for Minor Changes to POSP (AFS24)

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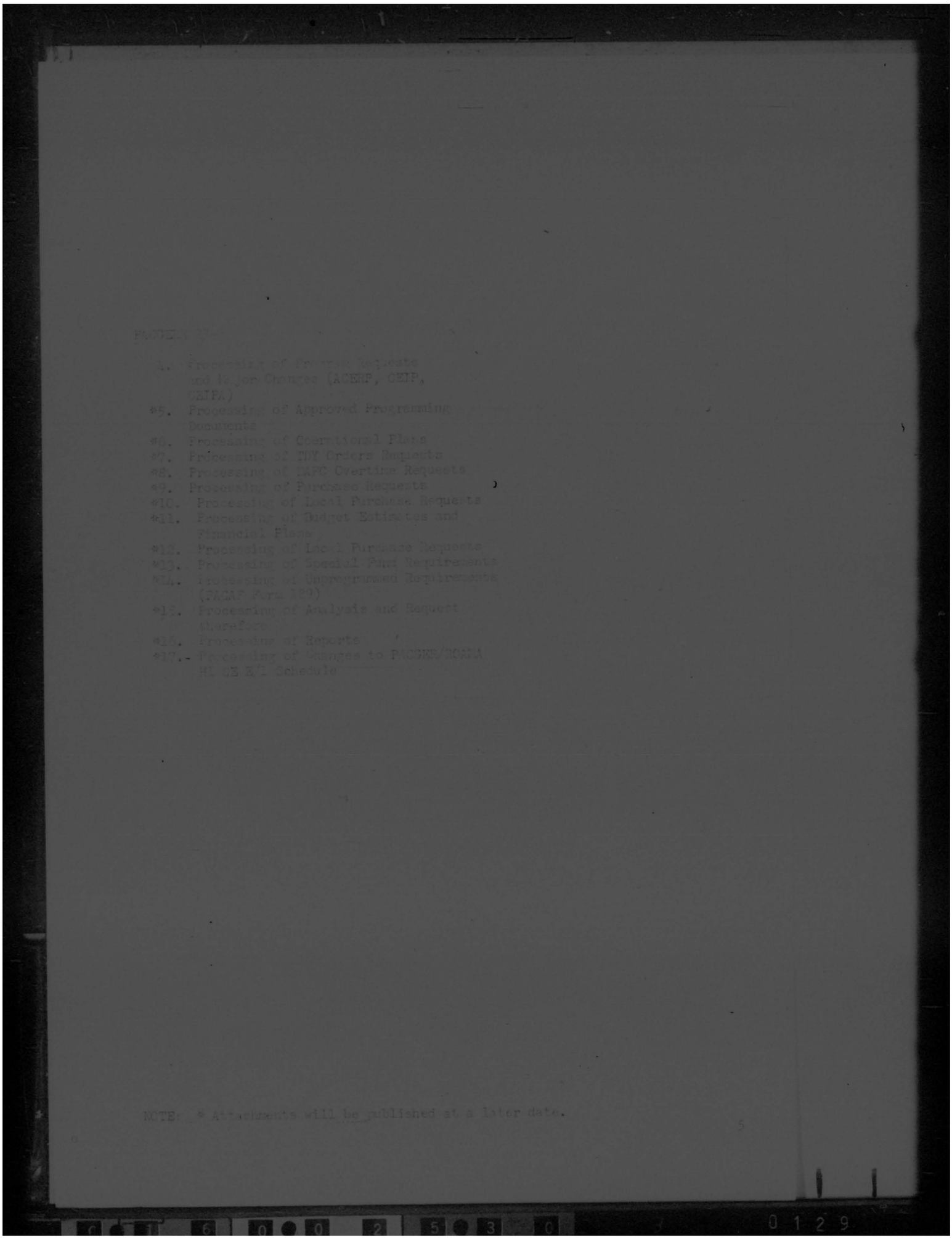

NOTE: * Attachments will be published at a later date.

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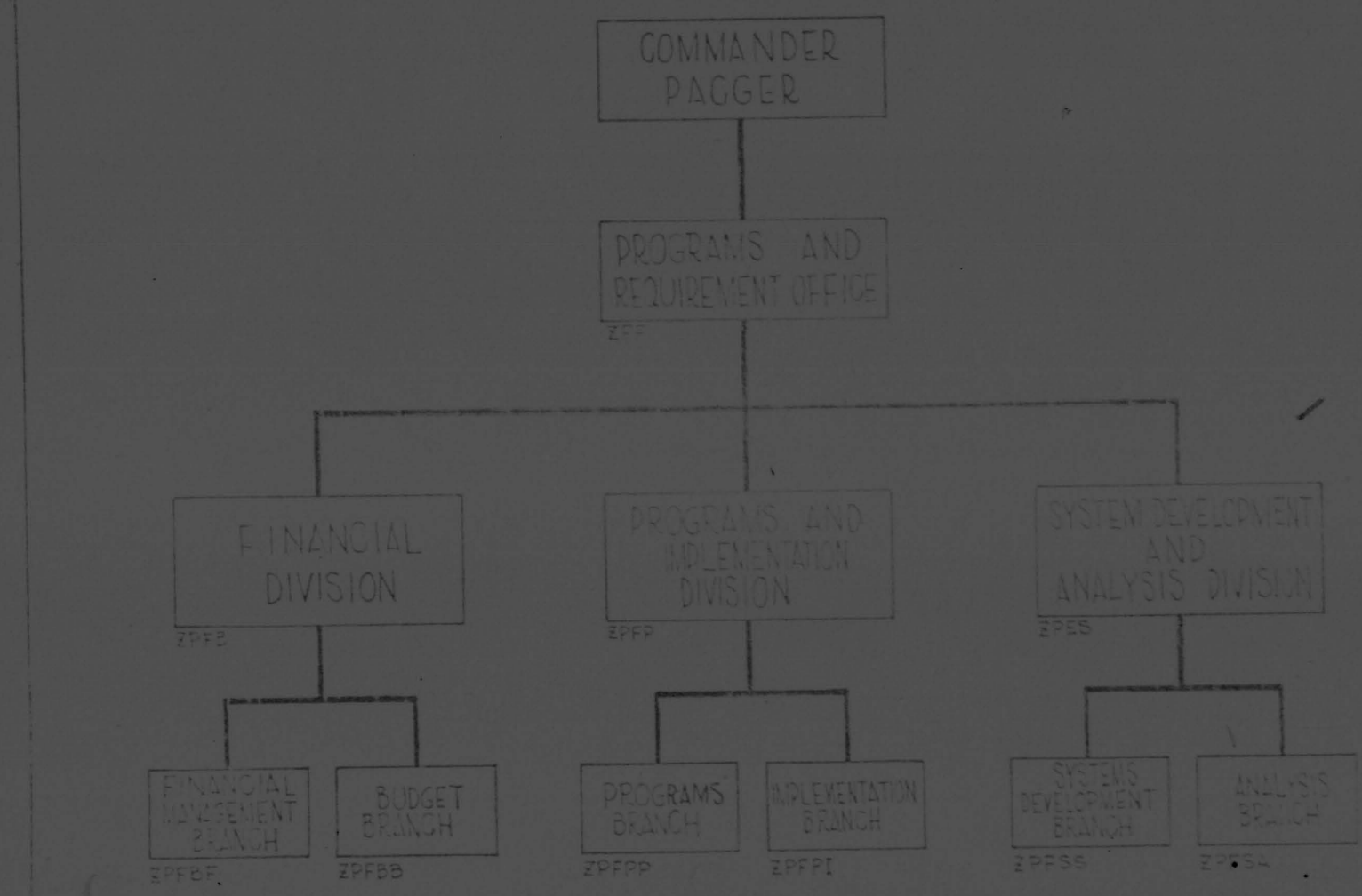
PROGRAMS & REQUIREMENTS ORGANIZATIONAL CHART



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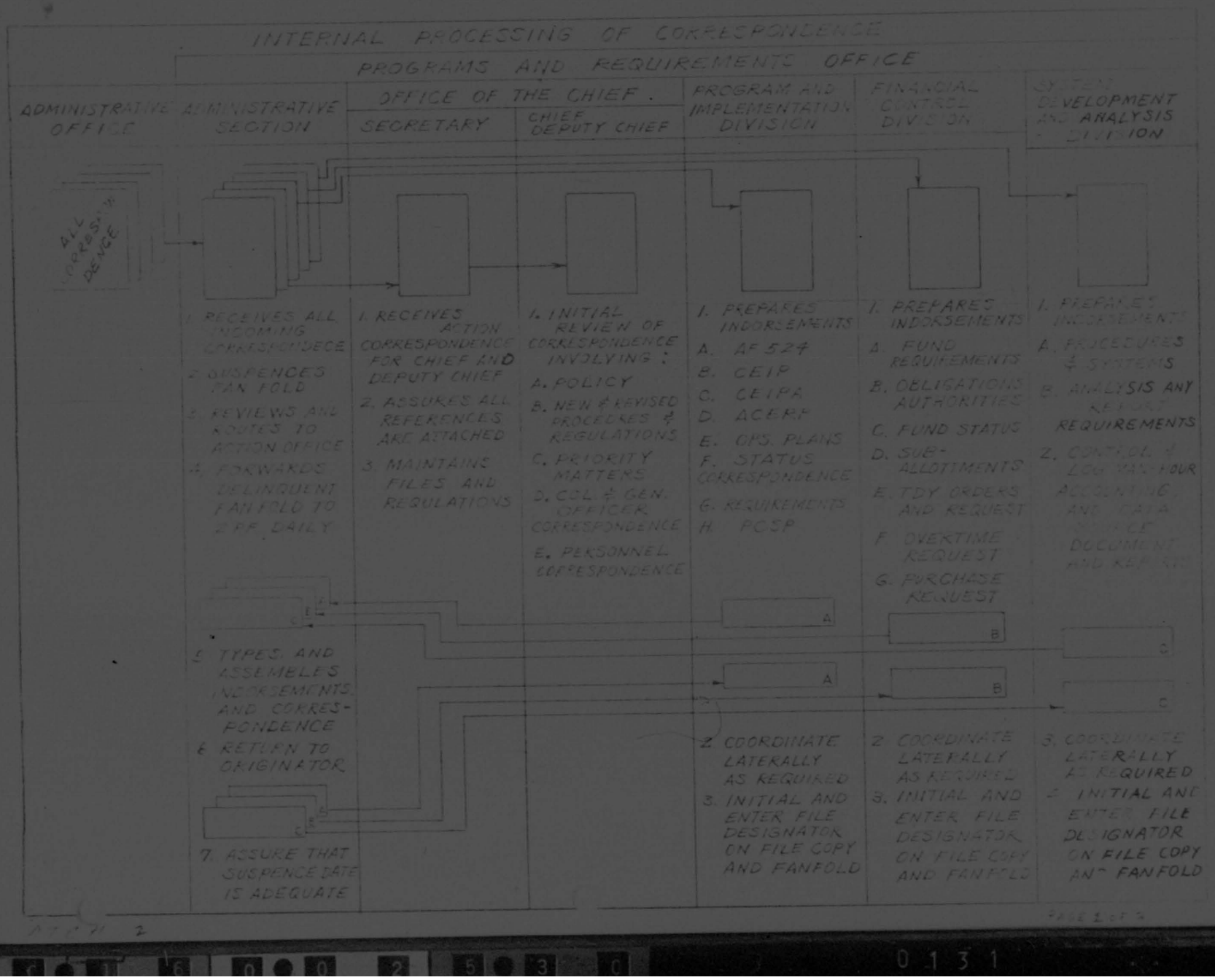
INTERNAL PROCESSING OF CORRESPONDENCE

PROGRAMS AND REQUIREMENTS OFFICE



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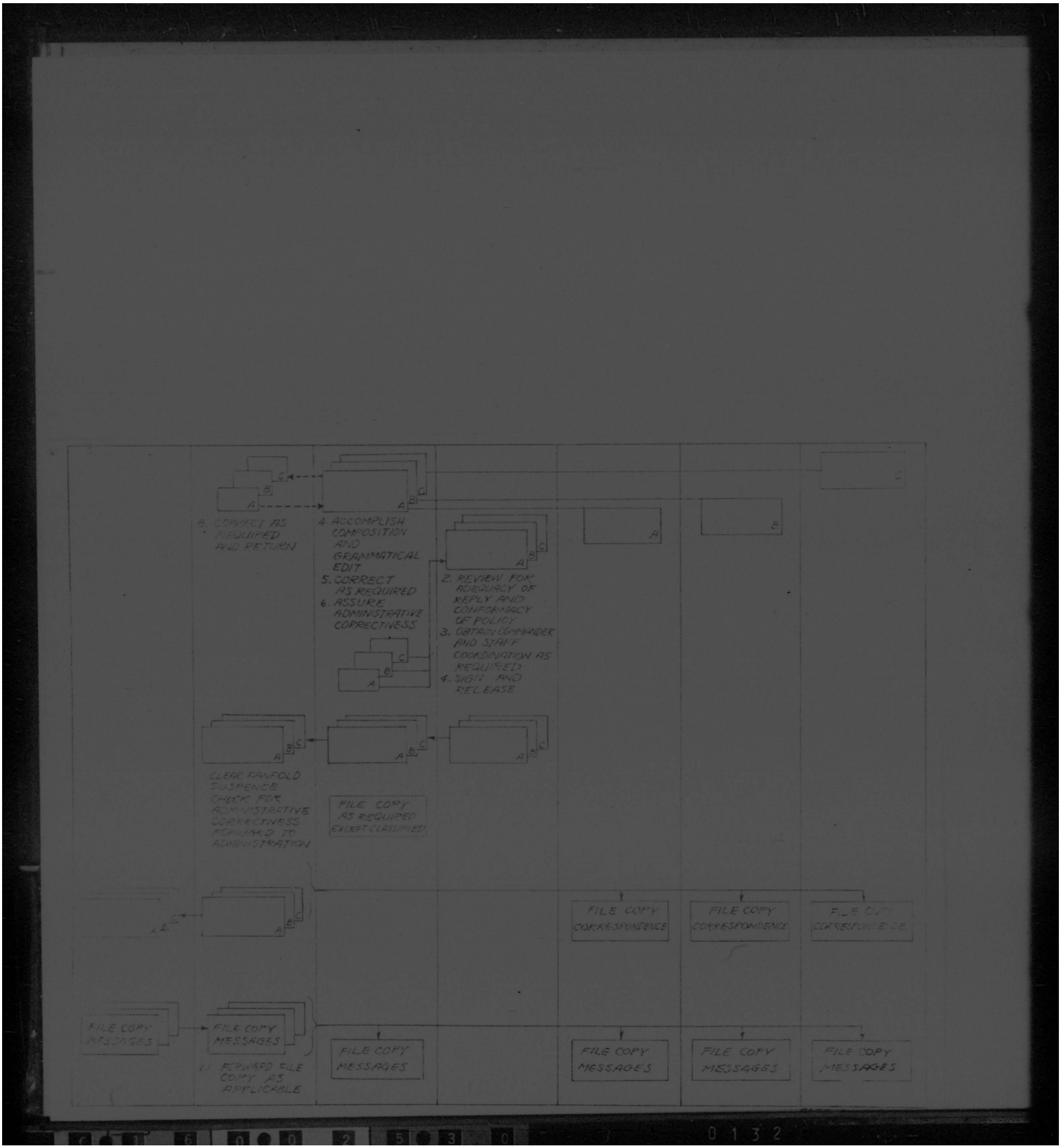

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REQUEST FOR MINOR CHANGE TO PCSP (AF 524)

PACIFIC GEEIA REGION				EXTERNAL
ADMINISTRATIVE OFFICE	PROGRAMS AND REQUIREMENTS OFFICE	DIRECTORATE OF ENGINEERING	DIRECTORATE OF MATERIEL	DIRECTORATE OF INSTALLATIONS	SUPPORTING DATA SERVICES DIVISION
1. ORIGINATES FANFOLD SUSPENCE-AF 388 2. SUSPENDS 5 WORK DAYS 3. FORWARDS TO ZPF SUSPENCE FILE 4. UPON RETURN, CLEAR SUSPENCE 5. FWD CORRESPONDENCE AS ADDRESSED	LETTER OF TRANSMITTEL AF 524 FANFOLD AF 388 1. EVALUATE PROPOSED CHANGE 2. DETERMINE SCOPE 3. OBTAIN TECHICAL COORDINATION IF REQUIRED 4. PREPARE FORWARDING INDORSEMENT 5. ORIGINATE GEEIA FORM 1A OR 1B GEEIA 1A OR 1B 6. PROVIDE COURTESY COPY OF INDORSEMENT TO ORIGINATOR 7. FILE COPY OF LETTER & AF 524 8. RETURN TO ZPA	1. PROVIDE TECHNICAL EVALUATION AS REQUIRED	1. PROVIDE TECHNICAL EVALUATION AS REQUIRED	1. PROVIDE TECHNICAL EVALUATION AS REQUIRED GEEIA 1A OR 1B 1. PROCESS TO ROAMA H I PROGRAMMED ACTION FILE	

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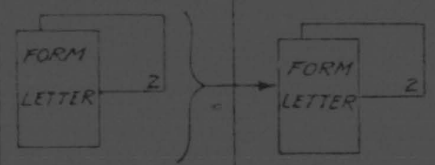
PROCESSING OF PROGRAM REQUESTS AND MAJOR CHANGES (ACERP, CEIP, CEIPA) PLOGER

ADMINISTRATIVE OFFICE	PROGRAMS AND PROCUREMENTS OFFICE	DIRECTORATE, ENGINEERING	DIRECTORATE, MATERIEL	DIRECTORATE INSTALLATION	QUALITY ASSURANCE OFFICE	EXTERNAL SUPPORTING SERVICES DIVISION

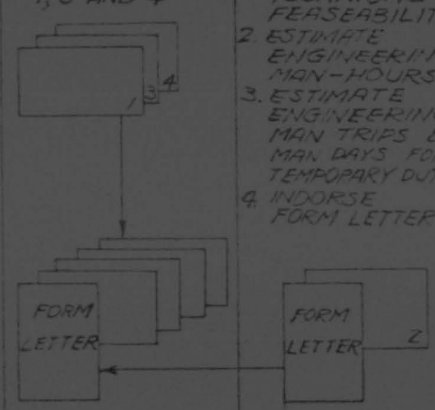
ACERP
CEIP
CEIPA

1. PREPARE FORM LETTER & ROUTE COPY #2 TO ZPM



2. SUSPENCE COPIES 1, 3 AND 4

1. DETERMINE TECHNICAL FEASEABILITY
2. ESTIMATE ENGINEERING MAN-HOURS
3. ESTIMATE ENGINEERING MAN TRIPS & MAN DAYS FOR TEMPORARY DUTY
4. INDORSE FORM LETTER



3. EVALUATE PROPOSAL
4. ESTIMATE TOTAL MAN-POWER AND FUND REQUIRMENT
5. DEVELOP TENTATIVE SCHEDULE

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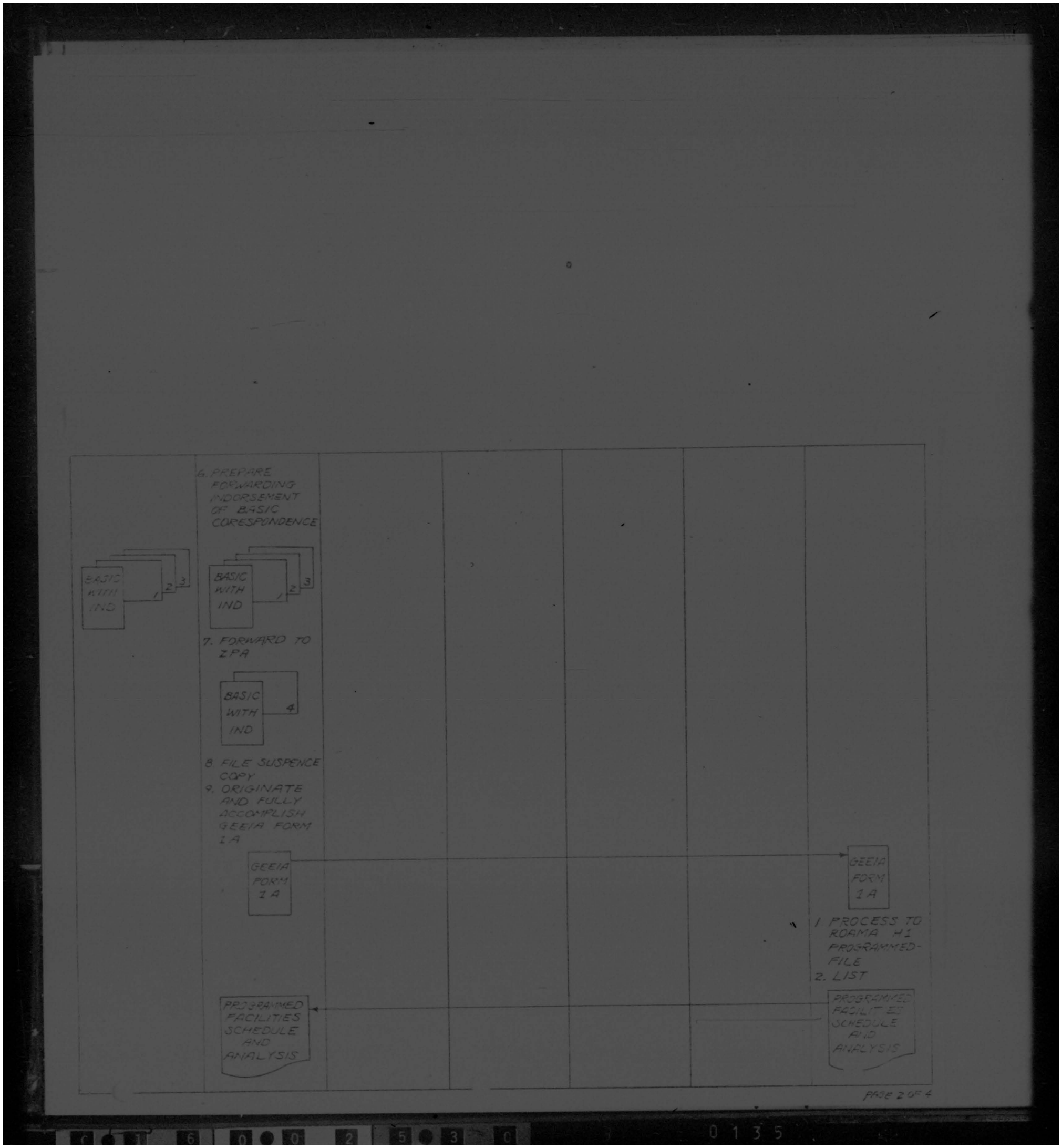

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10. AUDIT AND CORRECT

11. ACCOMPLISH WORK LOAD AND FUND ANALYSIS

FUND ANALYSIS

WORK LOAD ANALYSIS

ENGINEERING FUND ANALYSIS

ENGINEERING WORK LOAD ANALYSIS

MATERIEL FUND ANALYSIS

MATERIEL WORK LOAD ANALYSIS

INSTALLATION FUND ANALYSIS

INSTALLATION WORK LOAD ANALYSIS

QA FUND ANALYSIS

QA WORK LOAD ANALYSIS

12. DEVELOP RECOMMENDATIONS FORWARD WITH LISTING TO EACH DIRECTORATE AND STAFF OFFICE

1. REVIEW AND EVALUATE RECOMMENDATIONS
2. CONCUR AND/OR NON CONCUR WITH COUNTER PROPOSAL

1. REVIEW AND EVALUATE RECOMMENDATIONS
2. CONCUR AND/OR NON CONCUR WITH COUNTER PROPOSAL

1. REVIEW AND EVALUATE RECOMMENDATIONS
2. CONCUR AND/OR NON CONCUR WITH COUNTER PROPOSAL

1. REVIEW AND EVALUATE RECOMMENDATIONS
2. CONCUR AND/OR NON CONCUR WITH COUNTER PROPOSAL

PROGRAMMED FACILITIES SCHEDULE AND ANALYSIS

PROGRAMMED FACILITIES SCHEDULE AND ANALYSIS

PROGRAMMED FACILITIES SCHEDULE AND ANALYSIS

PROGRAMMED FACILITIES SCHEDULE AND ANALYSIS

PROGRAMMED FACILITIES SCHEDULE AND ANALYSIS

3. RED LINE LISTING WITH PROPOSALS IN ITEM 2 ABOVE

3. RED LINE LISTING WITH PROPOSALS IN ITEM 2 ABOVE

3. RED LINE LISTING WITH PROPOSALS IN ITEM 2 ABOVE

3. RED LINE LISTING WITH PROPOSALS IN ITEM 2 ABOVE

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13. EVALUATE RED LINED CORRECTIONS

14. ORIGINATE GEEIA FORM 1B

GEEIA FORM 1B

GEEIA FORM 1B

3 PROCESS CORRECTIONS

4 LIST

PROGRAMMED FACILITIES SCHEDULE

PROGRAMMED FACILITIES SCHEDULE

15. MAINTAIN CURRENT

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DIRECTORATE OF INSTALLATIONS

MISSION: The Director of Installations is responsible to the commander, Pacific GEEIA Region, for the implementation of the Installation portion of the Ground Communications-Electronics (C-E) Program, the implementation of the C-E installation portion of the NAP C-E Program specifically assigned the Region, to provide C-E installation assistance to major air commands and their subordinate elements operating within the Region area of responsibility, and provide disaster restoration (outside plant) and Quick Reaction Capability to meet urgent operational requirements.

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The Installation Division of the Engineering/Installation Directorate, Pacific-GEEIA Region was elevated to Directorate level on 23 March 1960 and designated the Directorate of Installations. The former Chief of the Installation Division, Major Dean D. Yazak, USAF, was appointed as Director. This change of organization resulted in the designation of four Divisions within the Installation Directorate. These were the Installation Scheduling and Monitoring Division, Training and Practices Division, Production Control Division, and Field Installation Division. The Installation Scheduling and Monitoring Division and the Training and Practices Division were formerly branches within the Installation Division.

The Field Installation Division was further subdivided into the Quick Reaction Capability Branch and the Rehabilitation Branch. This was done to more effectively accommodate the growing requests for unprogrammed assistance, and to better monitor and implement the rehabilitation program. This revision required the employment of five additional engineers, one OIC and one NCOIC. The reorganization has proven its worth in increased capability, instantaneous reaction, and customer satisfaction.

The Production Control Division was established to more effectively monitor and evaluate the installation schedule from a statistical standpoint to determine the manhour availability of the Installation Squadrons. This Division also distributed Installation Inspection Certificates, originated reports, monitored the reports system and performed administrative duties.

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Prior to January 1960, Hq Pacific GEEIA Region had no one section responsible for urgent or emergency assistance as required by our customers. Requests for this type of assistance were handled on a case-by-case basis by different units. This proved unsatisfactory in that emergency requests were being handled in the same manner as normal CE Scheme requirements with one exception—every possible shortcut to save time was attempted; e.g., engineers were pulled off of other projects to assist installation, material was scrounged, team efforts were not coordinated. From the above it is evident that an entirely new concept of operation which could be integrated with and yet remain more flexible than the programmed and scheduled portion of Installation was required.

Quick Reaction Capability was formed within the Installation Directorate. Funds were made available for minor hardware type items to repair facilities in the event of disruption of communications. Five engineers were assigned to provide on-site engineering where required. Quick Reaction can now offer assistance to GEEIA's customers in a positive manner in a minimum of time. A list of Quick Reaction projects accomplished for the various commands since January is as follows:

FEAACS	SAC	5TH AF	PACAF	13TH AF	USAFSS
22	5	30	6	5	3

All of these projects involved either the relocation of communication facilities because of rapidly changing requirements or the restoration of radio and telephone communications which had been disrupted either through man-made accidents or Acts of God.

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ISSUE PROBLEMS:

A group of 173 schemes, the majority of which were priority #1 projects, were being held in abeyance. Investigation revealed several causes for the delay, the chief reason being lack of material.

A concerted effort was exerted to evaluate scheme status and move these schemes through the installation phase as a special project. It was immediately determined that 13 schemes were no longer required. The receiving commands were not even aware that the facilities were still programmed. These were automatically cancelled. An additional 10 schemes were determined to have invalid programming action and were also cancelled. The remaining 150 were screened, required materials procured, installation teams dispatched and the entire group cleared from the record. A committee, consisting of members from the Directorates of Engineering, Supply and Installations was appointed to monitor this project.

Many work directives forwarded to the Squadrons were not allowing enough lead time for adequate scheduling of installation teams. This situation was due to receipt of material at the end location at the same time or before the receipt of shipping documents by the Region Headquarters. The Squadrons were not aware of the progress of material completion. In order to give the Squadrons more lead time and information on material progress, the work directive was issued immediately upon receipt of installation start date. This solution did give the Squadrons more lead time and a greater awareness of material progress as a basis for determining installation start dates on those jobs that were directed to them.

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Okinawa and the surrounding islands of Okino-Erabu-shima, Kume Shima and Miyako-Jima lie in the path commonly referred to as "Typhoon Alley". Yearly we have experienced the difficulties of rehabilitating the devastated communications of these facilities. Quite often these facilities were damaged several times in one year by successive typhoons. The major problems in rehabilitating these facilities were procurement of material and assignment of installation personnel to accomplish the clean-up.

An installation team was permanently assigned to the Okinawan area. They were utilized on routine programmed communications installations when there was no typhoon damage. Further, the problem of material was overcome by shelfing typhoon disaster stocks at Okinawa to be put to immediate use in the repair of typhoon damage.

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DIRECTORATE OF ENGINEERING

MISSION: The Director of Engineering is responsible to the Commander, Pacific GEEIA Region, for the over-all planning, direction and control of the field engineering, engineering support and engineering work required for the establishment, modernization, relocation, rehabilitation and removal of Communication-Electronics facilities associated with the fixed wire and radio communications systems, ground radar systems, navigational aids systems and other special systems of related nature supporting and/or of interest to USAF within the Pacific GEEIA Region area of responsibility.

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After approximately 18 months operation of the consolidated Engineering-Installations Directorate, it was decided late in 1959 that increased effectiveness would result from the establishment of the installation function as a separate directorate.

The Engineering Division of the old Engineering-Installations Directorate demonstrated certain weaknesses, such as overloading of the small contract assistance section and certain other branches, and a lack of centralized engineering control and recording. It was, therefore, decided to reorganize certain functions within the new Engineering Directorate.

The Engineering Directorate was organized with four Divisions: Electronics and Nav Aids Division, Tele-communications Division, Engineering Support Division and the Contracts Requirements Division. In addition, an Engineering Control Office, reporting directly to the Director, was established. The Electronics and Nav Aids Division and the Tele-communications Division each consisted of three branches, organized on a systems basis. The Engineering Support and the Contracts Requirements Division were established to provide necessary supporting functions to the direct engineering divisions. The reorganization was phased in slowly, so it is difficult to set a specific date when it became official and effective, but it is generally considered to have taken effect on or about 1 February 1960.

As the end of the fiscal year approached, it became obvious that the reorganization had been effective in allocating the actual engineering

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workload within the two direct engineering divisions. Some difficulty was encountered in manning the Engineering Control Office and setting up its method of operation; however, prospects appeared bright by the end of the period. Study of the Contracts Requirements Division and overall Region contracting activities gave evidence that this function should be transferred out of the Engineering Directorate. Late in June 1960, a decision was made by the Region Commander to transfer the Contracts Requirements function to the Directorate of Materiel, effective with the beginning of the 1961 fiscal year.

Pacific CRDIA Region appointed a project officer in January to formulate procedures and organize an Engineering Control Office to meet the peculiar needs of this overseas unit. Following a staff visit to Hq CRDIA to examine operations and procedures in effect there, the office became operational. The new structure called for the office to be responsible directly to the Director of Engineering and on a level with the Divisions. The mission of the office is day-to-day monitoring of the workload progress, and to advise the Director, and subsequently the divisions, of accomplishments and problem areas of difficulty. The Engineering Control Office was formed to obtain a clear and accurate analysis of the workload of the Directorate of Engineering. This pressing management problem had long been recognized by the Senior Staff but provisions had not previously been made under the manning structure for such an office. Manning was accomplished on a most austere basis by assigning personnel from the engineering divisions.

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The H-1 and H-1A reports were the documents utilized to list current work load and progress of individual schemes. Upon examination it was determined that the H-1A was not adequate as an engineering management tool, and the concurrence of the Commander was obtained in elimination of this report Subsequently the H-1 was identified as the single management tool for Region-wide monitoring of the C-E program.

Over a period of several months the workload assignments were screened and checked for validity, completeness and manhour capability to perform the assignments. From this purification of the program, individual assignment of schemes and job orders was made to the Divisions by Branch, utilizing the GEEIA Form 3. From these assignment documents the individual branch chiefs and engineers were able to examine every item and bring the status of the workload up to date. During this period complete review and purging of the H-1 document was accomplished on three separate occasions. This was accomplished in close coordination with the Plans and Requirements Office and the Division chiefs. In addition, representatives of all Pacific area commands met with ROAMA and Hq GEEIA members in committee action. They convened in May to up-date and correct the USAF Programmed Communications-Electronics Support Program (PCSP) document. As a direct result of above actions the Pacific GEEIA Region obtained a realistic picture of present and future workload and the resources required to accomplish this effort.

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As of 1 January 1960, implementation of the Region reorganizational plan to transfer the procurement function from status of a Section in the Special Systems Branch to status as the Contractual Requirements Division of the Directorate of Engineering was effected. The change in organization was required to establish the procurement function at a level on which more adequate and expeditious processing of procurement actions would be possible. The new organization included a Chief, Supervisory Electronics Engineer, with a background in procurement, two DAPC GS-12 Electronics Engineers for contract liaison with the Procurement Agencies, two Contractor Technician personnel (used due to the lack of USAD augmentation to provide the services required), one Japanese engineer-interpreter, and two Japanese clerk-typists. The Division was established on the basis that this Region let no contracts directly, but assisted PCO Officers and other military contracting agencies as the requiring AF technical service by review of specifications for technical adequacy and compliance with Air Force Procurement Instructions. The immediate and principal objective was that of getting out procurement actions to cover workload peaks beyond the in-house capability of the Region, prior to the end of the Fiscal Year. A long range program of justification for personnel in the procurement series, and reassignment of engineering personnel back to engineering slots was set into operation concurrently with the establishment of the new organization.

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The problem of contracting all workload beyond the in-house capability of the Region resulted in a saturation workload for the Contracts Requirements Division, which remained fully loaded through the 30th of June 1966. Numerous procurement actions were processed through the following organizations:

Hickam AFB PAC Officer

Hawaiian Navy Public Works

Guam Navy Public Works

Army Okinawa IX Corps Procurement and Contracting Officer

U.S. Army USARJ, 6th Logistical Command, G-4

U.S. Army Signal Communications Agency, Japan

Army District Engineer, Japan

Army District Engineer, Korea

U.S. Army Procurement Agency, Japan

NAVAP (later ANFPA) PAC Officer

One of the principal contracting requirements problem areas was that GEEIA-ROAMA contracts for Call Arrangement type procurement caused considerable difficulties in that the lines of communication were too long. Time differences did not allow teleconferences concerning the ramifications of the contracts, their limitations, and their general application to the Pacific GEEIA Region areas of responsibility. Message coordination was so slow as to be completely unsatisfactory for this purpose. Liaison with SNAMA resulted in a request from the Region for GEEIA/ROAMA to appoint SNAMA as an agency with the authority to write call against the basic contracts, but in spite of this, the limiting aspects of the contracts

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with respect to fixed price for completed job, resulted in continuing problems peculiar to this form of contracting.

A second problem area concerned engineering and installation contracts within the Pacific GSEIA Region area of responsibility written by Ho GSEIA, and which the Region were required to support without adequate prior information. Work statements, specifications, copies of contracts and delineated responsibility and authority assignments, if received, were often not received in time to allow the Region to make thorough studies of the projects and schedule Region support as required. The engineering on these contracts and "calls" often were predicated solely on plant-in-place records, which necessarily do not reflect the latest condition of the bases, buildings, areas and installations, due to continual changes going on at the bases and the time lag between these changes and the replacement of old drawings with new. Also, plant-in-place drawings could not include in-process changes being made by the Base, Site, or Pacific GSEIA Region, or the commitments being made in processing site concurrence letters. After the engineering had been completed and the equipment shipped to the end locations, a Ho GSEIA engineer, a contractor or a GSEIA equadron installation team would arrive prepared to install equipment in an area, building, or room which was already filled with equipment, or for which other equipment had been programmed. The resultant problems were always the same--reaccomplishment of engineering, additional sums of money due to unrealistic planning on the part of the government, and failure to meet the operational date. The following are some of the examples.

The contract for the installation of the Yokota AB ILS antenna was

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awarded to a contractor without prior coordination with the Pacific GEEIA Region, although the major components were programmed for installation by a GEEIA installation team. The Commander, Pacific GEEIA Region, was not allowed the prerogative of making a determination as to whether or not the Region in-house capability was sufficient to make the installation.

The A.C.E./Western Union contracts for the Fuchu Comm Relay Center and conversion to polar operation resulted in considerable expenditire of time for Pacific GEEIA Region engineers and inspectors, although we never received a copy of the contract or a work statement with drawings that would allow our personnel to fully understand the installations that have taken place. In August of 1959, Mr. Robert Conn from Hq GEEIA requested emergency procurement support action to provide cable between two frames in Building 175 at Fuchu Air Station. The request was backed by a message from Hq GEEIA requesting that this Region provide Mr. Conn with whatever assistance might be necessary. An emergency procurement action was processed and the cable job was coppleted by the deadline imposed. The over-all contracts were not however, completed by the end of June 1960 as had been planned.

Air Com Special Plan 550-59 delineated Pacific GEEIA Region's responsibility, which included surveys for rehabilitation, engineering, scheme action and installation of antennas; however, the Region did not receive a copy of the contract until the riddle of June 1960.

CRITICOM responsibilities were never delineated beyond the request that Pacific GEEIA Region provide the contractors with whatever assistance they might require, and no copy of the contract or work statement was received.

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As of 30 June 1960 there was no indication that survey action had been taken to determine whether or not circuits outside the Security Service existed to provide 100-word-per-minute capability; viz., at the transmitter and receiver sites which are not controlled by the Security Service. Kadena Air Base indicated that they could not fully provide support for 100 words per minute with the equipment currently available at AACS.

On the Puchu-Hickam IBM data circuit, Hq CEEIA/ROANA contracted with Western Union to engineer two circuits for 10-card-per-minute data transmission, each using two channels of the AN/FGC-29 terminals. Since there was no prior coordination with this Region and no engineering evaluation of the circuit, the fact that the radio circuits were the weak link in the existing 5-card system was not known to Hq CEEIA. Previous experience with the AN/FGC-5 multiplex radioteletype circuits in this area with radio equipment of similar power had demonstrated that the shorter elements of information in the higher speed were subject to greater errors and it had frequently been necessary to reduce the multiplex from four to two channels or even go back to single channel to obtain satisfactory communications. This fact, well known to Pacific CEEIA Region communications engineers, would have precluded the installation of higher speed IBM data transmission prior to a radical increase in the strength of radio signals over the circuit. The one ten-card channel put in operation has proven so far to have less efficiency than the two five-card channels it replaced, and the operating agency is seriously

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considering reversion to the five-card system to restore the former circuit efficiency. Recommendations for closer coordination with Hq GEEIA/ROAMA, and for the writing of requirements type contracts for the Region were forwarded to the Region Commander for consideration.

Department of Defense Directives assigning responsibilities for procurements in Japan gave the US Army Signal Corps Agency, Japan, complete responsibility for all signal and related procurement for services and material in Japan. USARJ, 6th Logistical Command G-4 Policy Letter outlined the areas of control and directed that all procurement for signal items be processed through the US Army Procurement Agency, Japan, except in a bona-fide emergency, when procurement under $5,000 could be effected by a Base P&C Officer, but only when approval was given in writing from the Army Procurement Agency stating that they could not provide the emergency assistance within the time limits imposed. The organization requesting the procurement action is required to certify that they can effect the procurement action within the period imposed.

All procurement negotiations with agencies of the Army, Navy and the Air Force have resulted in courteous, expedited procurement actions for the Pacific GEEIA Region, and letters of appreciation were prepared for the Commander's signature to General Neal with the request that he indorse them through channels to the commands and personnel concerned.

During the period 1 January 1960 through 30 June 1960, all procurement actions assigned to the Contracts Requirements Division for action during that period had been processed into contract actions through Procurement Agencies of the US Government.

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On 30 June 1960, the Contractual Requirements Division was closed as such, and all engineering personnel reassigned within the Region. The procurement function was then transferred to the Directorate of Material.

A third major problem area of the Directorate of Engineering--that of dilution of organic scheme engineering-- came to a head during April with the analysis that over 60% of the engineering capability had been employed for pre-engineering and tech assists to the operating commands. In order to reduce this effort to something more reasonable, the requirements were established for location of resident engineers at Clark AB, Kadena AB, and Osan AB, in addition to engineers assigned to Detachment 1, Wheeler AFB, Hawaii. In addition to the residents who operate primarily in this area, strict controls of TDY of remaining engineers were established so as to reduce the dilution of the engineering effort to a more realistic figure of 25%.

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DIRECTORATE OF ENGINEERING ACCOMPLISHMENTS

1 January 1960 through 30 June 1960

Tabulated below are Directorate of Engineering accomplishments listed as engineering actions completed for this period. All items are self-explanatory with the exception of "Engineering Tech Assists". This activity consists largely of small engineering jobs that are not programmed for some reason. However, because of unforeseen complications, the work can involve many hundreds of man hours.

Pre-engineering	84
Site Surveys	123
Site Concurrence Letters	104
Schemes	74
Installation Specifications	148
On-call Work Statements	55
Engineering Tech Assists	

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QUALITY ASSURANCE OFFICE

MISSION: The Quality Assurance Officer is responsible to the Commander, Pacific GEEIA Region, to assure that all Communications-Electronics (C-E) systems and/or facilities contracted, installed, relocated, modernized or removed within the area of responsiblity meet standardized engineering and installation criteria as established by USAF, GEEIA and the Pacific GEEIA Region, thus assuring our customers that they are getting the highest quality of workmanship and general performance.

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During the past six months the concept of the QA operation underwent searching inquiry with a view to determination of the relative value of using Quality Assurance engineering personnel in reviewing work accomplished by others and pointing out deficiencies, against using those QA personnel in routine engineering jobs to increase the immediate output. It was realized that first course would lead to future improvement in the region output at the expense of immediate production, the second course would increase the Region's immediate engineering output at the expense of leaving detection of shortcomings to chance or to having the installation squadrons or our customers call our attention to them. There was also the problem of monitoring and acceptance of contract installations ___ whether to have one agency, Quality Assurance, perform this function or to leave each case to be handled by the interested engineering section. This would require the contracting agency to deal with a number of sections, with attendant variations in required performance criteria by which Pacific AEMIA might view completed contracts.

Personnel shortages continued to hamper QA operations during the last half of FY 61. The majority of the engineers borrowed from QA in April of 1959 were never returned, with the result that it continued to be necessary to examine carefully each job being done. Only the larger or more important jobs were inspected. Inspection of Minor installations continued to be waived except where a QA engineer's itinerary was such as to permit inspection of them with a minimum expenditure of time.

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As of the end of FY60 Quality Assurance was operating with a well defined mission as originally outlined at the time the region was formed. Inspection and acceptance of contractual installations, whether accomplished under work statements issued by Hq GEEIA on world-wide contracts, or under contracts made by theater contracting agencies pursuant to purchase requests made by this Region, was added to the duties previously performed. Close coordination by QA with the interservice contracting agencies in the matter of inspections and the correction of discrepancies has resulted in an amicable effective working arrangement on the administration of contract matters. One of the chief problems in making effective use of Quality Assurance in improving Region output has been a tendency, as in the case of all inspection functions, for those on whom criticism has fallen to interpret these criticisms as being derogatory of the individuals involved, whether team members, engineers, or section and division heads, and to resent the criticisms made in QA reports. This attitude led to attempts to find justification of courses of action which had led to pitfalls instead of accepting the criticism in accordance with its intended purpose and making appropriate corrections. This problem has not been solved, and no firm solution is in sight.

Representatives from the Navigational Aids Branches of Quality Assurance met with AACS Region and the Directorate of Engineering to resolve the problem of acceptance of the Japan procured CCA Radio/Telephone Selector Panels. Operational concepts of AACS Flight Facilities

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had changed subsequent to the completion of engineering by this Region. AACS Region agreed to accept the equipment as installed and modify it, if necessary, to meet their needs. This procedure proved to be in line with the provisions of the latest edition of TO 31-1-8, received after the conference.

Two representatives of QA were assigned as regular and alternate members of the Japan-Wide AC&W Over-Horizon System Committee. The regular member made several trips to the sites to observe the Site Survey procedures and had several discussions with the U.S. Army Contracting Officer's Representatives and Page engineers determining procedures being employed in the surveillance of contractor performance.

Information was received from Hq GEEIA that Pacific GEEIA Region would have the responsibility for monitoring certain installations by contract of Radar and Over-Horizon Communications Systems in the Philippine Islands. Quality Assurance took immediate action for full participation. Meetings were held with the manager of the far east office of the contractor and two trips were made to the Philippine Islands. Meetings with representatives of organizations with primary interest and visits to the sites of proposed installation helped to identify problem areas and assisted substantially in obtaining consent to methods of inspection. In June of 1960, information was received from the contractor that the work statements for the contract had been re-written eliminating the Pacific GEEIA Region monitor and acceptance functions, with JUSMAAG and Philippine Air Force designated as offices

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of primary interest in inspection and acceptance of the contract. GEEIA assistance was made available upon request.

The QA office was made OPI for the acceptance of all materials and services provided by Philco under the Aircom Modernization Program (Quick-Fix). One QA engineer was assigned to minitor this program. Plans were formulated for D/Engineering to furnish one engineer to assist QA in the inspection and acceptance of the Intersite portion at Hickam during August 1960. This program of inspections will accelerate rapidly and will require additional personnel as the Tech Control, MS amplifier and Air-Ground phases at other sites near completion. There are six sites in the area served by the Pacific GEEIA Region.

The volume of contracted telephone installation projects increased considerably during the past six months. Since the QA Officer was designated as the receiving officer on all contracts, the inspection work increased in this area. These inspections revealed that the inspections performed by US Army Signal Communications Agency (USASCA) inspectors were, in many cases, superficial and discrepancies were been discovered by QA inspectors which would otherwise have been overlooked.

Inspections of Japan-Wide AN/TRC-24 installations which were curtailed during the winter months accelerated considerably thru the last quarter of FY 1960.

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One engineer was loaned to the Navigational Aids Division of the Directorate of Engineering for a 20-day period in May to make site surveys for TACAN installations in Korea.

A marked improvement in the quality of the workmanship accomplished by both Installation Squadrons was noted by Quality Assurance Engineers on the installations inspected during this period.

The tabulations on the following two pages indicate the scope of activities undertaken by the Quality Assurance Office during this six months of operation.

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Commercial Contracts Inspected and Accepted by QA

1.	New 2400 Line Central Office	$ 276,590.00
2.	Outside Plant Weather Cable	21,000.00
3.	Anterra Rehab	45,469.71
4.	Outside Plant Cable	15,770.44
5.	Outside Plant Cable	27,000.00
6.	RAP-MI Monitor Control Group	17,830.00
7.	600 Line Central Office Addition	38,940.00
8.	Comm Center Cable Retermination	4,985.00
9.	Temp-Humidity Measuring Device	2,750.00
10.	New 1000 Line Central Office	Est 145,000.00
11.	Anterra Pole Relocation	2,050.00
	TOTAL	577,384.95

The delegation of authority to accept commercial contracts on behalf of the Pacific GEELA Region to the Quality Assurance Officer was initiated in December 1959. This delegation of authority provides the receiving officer with qualified inspection engineers under his direct control. This streamlines the acceptance process and provides essential rechecks on the contracting agency's efforts, thus insuring receiving the best possible value for the Air Force dollars expended.

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STATISTICS

Final inspections made	105
Interim inspections made	44
Inspection trips made	55
Installations which required discrepancies to be corrected	52
Installations which required deviations from specifications	26
Contract specifications reviewed	21
Contract specifications which were returned to engineering for corrections to be made	5
Schemes reviewed	9
Installation specifications reviewed	40
Installation specifications returned to engineering for correction	9
Installation specifications which required clarification	19
Installation specifications which required IIC changes	12
Installation specifications in which items were missing on the B.O.M.	5
Installation specifications which were considered borderline	4

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GROUND SAFETY for the Pacific GEEIA Region, during this period, continued to be an additional duty in the Quality Assurance Office carried first by the Assistant Quality Assurance Officer, and later by the Quality Assurance Officer. Since the Quality Assurance Office had no other military personnel assigned, the Safety NCO was drawn from the Installations Directorate, again as an extra duty, although a recommendation was made to Region Headquarters that efforts be made to obtain a specially qualified Ground Safety NCO assigned to Ground Safety as a primary duty. All Quality Assurance Engineers were continually reminded of the importance of Ground Safety and instructed to report on any Ground Safety hazards noticed during their inspection trips. During this period work was stopped on one antenna job in northern Japan at the instance of the Quality Assurance Engineer who found that icing, high winds and driven snow had made the installation work extremely hazardou.. The team returned to the site later when site personnel reported that these conditions had abated.

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DIRECTORATE OF MATERIEL is responsible for the overall supervision and management of all material of the Pacific GEEIA Region. The Directorate has two divisions, Supply Support and Scheme Support.

SUPPLY SUPPORT DIVISION is composed of two branches, Unit Supply Branch and Equipment Authorization Branch. The Unit Supply Branch is responsible for administrative supply support of the Region Headquarters. The Equipment Authorization Branch monitors the Unit Authorization Lists (UAL's) of the Region and the subordinate 2875th GEEIA Squadron , and 2876th GEEIA Squadron.

The major problem confronting the Supply Support Division continued to be lack of money for the requisitioning of administrative equipment authorized on the UAL. With the influx of a considerable number of contractual engineering personnel, which the Region was required to support, the limited funds available were absorbed in requisitioning additional equipment, rather than in replacing worn and obsolete equipment. This was due to the fact that funds for this support were to be provided by AFFPA, the host base, and their fund shortages were reflected in the amounts allocated to the Pacific GEEIA Region.

Another of the Supply Support Division during the past six months was the loss of, or erroneous cancellation of many of our base requisition documents due to the beginning of a mechanized base supply system. All these items were later re-requisitioned hoping that after base

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supply personnel were more familiar with the mechanized system these problems should cease. Also, toward the end of the fourth quarter FY60, base supply ran out of P438 funds and would not requisition even though the Pacific GEEIA Region still had base credits available.

The Line Item and Authorized Dollar Value Recapitulation of UAL report of 29 March 60 showed the following:

Organization	Items Auth.	% of Auth. in use	% Dollars Auth. in use
Pacific Region	2000	69	80
2875th Squadron	2389	87	89
2876th Squadron	2266	78	85

SCHEME SUPPORT DIVISION is responsible for monitoring the status of all schemes in the materiel phase. The Monitor and Control Branch furnishes shipping instructions to CESAC, monitors the shipments through transportation channels and advises the Installation Division of materiel availability so that installation may commence.

The Bill of Materials Branch researches stock lists and prepares Bills of Materiel (BOM's) for schemes for submission to Hq. GEEIA.

The biggest problem of the Scheme Support Division continued to be the furnishing of items on the BOM's not furnished by CESAC. This problem was aggravated by the lack of authorized shop stock. The 2875th Squadron, for example, never received over 24 % of its authorized line items of shop stock. These items are those of common

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installation hardware such as bolts, nuts, washers, and clamps. Several avenues of approach to the solution of this problem were being followed. One was the establishment of a Region minor item stockpile. Portions of this stockpile were established at Tachikawa, AB, Japan, Clark AB, Philippines, Kadena AB, Okinawa, and Hickam AFB, Hawaii with stock records on these stock piles to be maintained in the Region, and all additions to and issues from the stockpiles controlled by the Region. Control by the Region will insure that large quantities of slow moving items will not be maintained. Stockpiles at these key points should aid the flexibility and speed of reaction to command requirements considerably. Also, trips to various bases were made to ascertain the type and quantities of C-E hardware items being maintained in the various Base Supplies and LP stores in the theatre. It was planned that this knowledge would utilized to help fulfill work stoppage requirements and delinquent items on Rome edited BOM's.

Another problem was the lack of advance shipping information from CESAC upon the outshipment of materials from the Z/I. This lack of information prevented us from properly utilizing the port agreements made at Hawaii, Japan, Okinawa, Guam, Philippines, Taiwan, and Korea. Materials arriving at the end location without our knowledge, swamped the limited warehouse facilities of Transportation Officers, and resulted in undue delay in installation. CESAC and CEEIA were notified of this problem and it was requested that it be made a topic of discussion at the July 1960 Commander's Conference at Headquarters CEEIA.

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Parcel post shipments of scheme materials, particularly of those items to alleviate work stoppages, established a notorious record of becoming lost in this theatre. Some cases were due to lack of advance shipping information, resulting in the intended recipient having no knowledge of the shipment. Many of the shipments were made to specific individuals who were not at the location when the package arrived. Postal regulations permit the retention of an item for only a very limited time before the package is returned to the sender.

The problem of lost or undelivered shipments was also brought to the attention of CESAC's and Headquarters GEEIA and suggested as a topic for discussion during the previously mentioned Commander's Conference. It was recommended that all such packages not be shipped by parcel post but rather by Air Freight with the suitable Air Movement Designator Number and that advance shipping information be provided by message to this Region from CESAC or the applicable prime depot. This procedure, if followed would permit advance notification of the intended recipient and provide a means for monitoring the shipment through transportation channels.

One of our largest remaining problems, existing since the inception of GEEIA, has been the lack of sufficient qualified personnel in the Scheme Support Division, notably in the Monitor and Control Branch. This personnel shortage caused a backlog of work and in many cases the airmen concerned had to put in considerable overtime on nights and weekends trying to stay abreast of the workload.

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In an effort to resolve this problem, a reorganization was initiated to augment the Director of Materiel with additional personnel. A Materiel Expediting Office was formed, the function of this office being to acquire knowledge of the various material sources and assets in the theatre, and using this knowledge, to take action to insure that urgent material requirements are met in a timely fashion.

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SEMIANNUAL HISTORICAL REPORT

REPORTS CONTROL SYMBOL
AU-D5

1. NAME OF UNIT	2. LOCATION	3.
2876th GEEIA Squadron	APO 74	FROM 1Jan60 THROUGH 30Jun60

4. NAME AND LOCATION OF NEXT HIGHER HEADQUARTERS

Hq Pacific GEEIA Region

5. PERSONNEL STRENGTH (Last day of reporting period)

	OFFICERS	AIRMEN	CIVILIAN	TOTAL
AUTHORIZED	9	204	24	237
ASSIGNED	11	214	24	249
ATTACHED	0	0	0	0

6. STATEMENT OF MISSION INCLUDING CHANGES (Continue on separate sheet)

Responsible to the Commander, Pacific GEEIA Region for the installation of new facilities, determination, relocation, removal and rehabilitation of C-E facilities associated with Fixed Radio and wire communications systems, ground radar systems, navigational aids systems and other special systems of related nature located within the designated area of responsibility which normally included Okinawa, Guam, Taiwan and the Philippine Islands.

7. ORGANIZATIONAL CHANGES INCLUDING REASONS FOR CHANGE (Continue on separate sheet)

a. On 1 January 1960 the Installation Control Branch was reorganized in keeping with a decentralization concept directed by the Pacific GEEIA Region. The Installation Control function directly under the Commander remained the major function responsible for the technical mission of the squadron. Under this office was established the Production Control function which, in-turn, had four subordinate units, namely; Workload Control which evaluated and completed regional work directives prior to distribution to five working flights, (2 each Outside Plant Wire, 1 Radar Nav Aids, 1 Radio and 1 Inside Plant Wire), Reports and Analysis which was responsible for data collecting and submission of reports, Installations Planning which was responsible for evaluating the HI report then programming long range installations and also for preparing fiscal financial plans and budgets; and the Materiel Control function which monitored the RPC folders and the delivery of CE supplies to end locations.

b. In February 1960 the position of NCOIC of personnel and administration was established. The establishment of this position eliminated the direct

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7. ORGANIZATIONAL CHANGES INCLUDING REASONS FOR CHANGE (Cont'd)

supervision that was afforded to the non-commissioned officers in-charge of personnel and administration sections by the CIC. More time for evaluating and planning was experienced.

c. The second reorganization of Installation Control was temporarily put into effect 15 May 1960 pending approval by Pacific GEEIA Region. With a steadily increasing workload, the following changes became necessary for a more effective accomplishment of the mission:

(1) The five flights were consolidated into two flights, namely: Wire and Radio/Radar.

(2) The Material Control function was returned to the Supply and Services Branch of the squadron.

(3) The inspection of workmanship and caliber of installations was formalized into a squadron Quality Assurance Section and placed at staff level under the Installation Control Officer.

(4) Workload Control and Installation Planning were deleted and incorporated into the Production Control Unit.

(5) Training, which encompasses all personnel of the squadron, was removed from the supervision of Installation Control and placed at staff level directly under the Squadron Commander, with the Production Control Officer assuming an additional duty as Squadron Training Officer.

d. As a result of the June concept the squadron is now geared to accommodate a 100% workload yet remain within the imposed squadron personnel and grade ceilings.

e. In mid-June a thorough investigation of conditions at Okinawa revealed the necessity for establishing a permanent GEEIA operating location at Kadena AB. Not only were there enough scheduled outside plant requirements to fully utilize whatever personnel GEEIA may deploy on TDY, but also the customer demand for depot level outside plant maintenance continually exceeded the organic capability of operating units at that location. It was recommended to Pacific GEEIA Region that a 40-man Detachment from this squadron be assigned permanently at Kadena AB. This detachment was planned to consist primarily of outside plant wire personnel with a small cadre of radio types. Kadena AB made available sufficient personnel housing, warehousing, outside storage and other support functions.

f. Attachments B, C, and D indicate action taken in the establishing of a detachment at Kadena AB, Okinawa.

g. Attachment A indicates the organizational structure and proposed changes.

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8. ADMINISTRATIVE PROGRESS AND PROBLEMS (Continue on separate sheet)

I - Personnel and Administrative Services.

a. As of 1 January 1960, the unit was authorized 10 officers, 218 airmen, 25 civilians and 3 contract technicians. The assigned strength as of the same date was 12 officers, 191 airmen, 23 civilians.

b. Major Dallas A. Brown, Commander of the 2876th OMMA Squadron, departed on 7 March 1960 for his new DI assignment. The entire Squadron including civilians assembled at the Base Operations to bid farewell. Capt Hoover assumed command pending arrival of Major John T. Mazzolla, Jr., who joined the unit on 22 April 1960. Along with a 73270, four (4) additional personnel specialists were gained and assigned as Quality Control Clerk, Reports Control Clerk and personnel clerks. A roster of key personnel is attached as Inclosure #E.

c. In conjunction with Selective Reenlistment Program, all first term airmen with a date of separation in fiscal year 1961 were contacted and given an option of signing a request for reenlistment or a statement of declination. A total of 14 airmen were contacted. Three (3) airmen requested reenlistment and eleven (11) signed statements of declination. Two (2) airmen were selected by HQ AMC for reenlistment and 1 of them declined.

d. A suspense control system was implemented by use of Penfolds to insure prompt action and positive control of communications. The Penfold system satisfactorily served the purpose.

e. On March 1960 the two classified document accounts maintained by the Unit Administration and Installation Control were consolidated in order to tighten security control. The account was maintained by Unit Administration. Again the change met with great success.

f. Captain Harold A. Bruffey, AO721637 and MSgt William C. Bates, AF13239762 (both deceased) were awarded the AF Commendation Medal. Aside from Sgt Bates' AF Commendation Medal, he was also awarded a Posthumous Promotion to Senior Master Sergeant.

9. MISSION PROGRESS AND PROBLEMS

I - Personnel and Administrative Services.

a. At the beginning of this period this section was only manned at approximately 50% of its authorized strength. Upon deactivation of the Southern Air Material Area, Pacific, sufficient personnel were obtained to bring assigned strength up to 100%. The backlog of work has been accomplished, records reviewed and brought up-to-date and satisfactory service has been rendered to personnel in the squadron.

b. A problem still existed due to short suspense imposed by higher headquarters in submission of Performance Reports. Due to constant TDY commitments of reporting officials, indorsing officials and the Commander, it has been difficult in many instances to meet the 20 day suspense in submission of these reports.

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6. ADMINISTRATIVE PROBLEMS AND PROBLEMS (Cont'd)

f. Effective 1 June 1960, personnel were forecasted to Pacific GEEIA Region seven (7) months instead of six (6) prior to their DEROS to insure timely receipt of ZI assignments. Several personnel were held beyond their scheduled DEROS due to non-receipt of ZI station assignments.

g. The AFSC's of five (5) Warrant Officer were converted to Officers' AFSC. Sixteen airmen were affected by AFSC conversions. The conversion action was accomplished in accordance with AFM 35-1, December 1959.

i. Effective 31 March 1960, all personnel assigned to 2876th GEEIA Sq started receiving their pay by checks. Paying by checks facilitated the process and counteracted the delay personnel experienced in receiving their pay as a large number of personnel were on TDY on pay-days.

j. Despite the heavy TDY commitments, personnel assigned to 2876th GEEIA Sq still had time to increase their education. Achievements are as follows:

(1) 42 new ECI enrollments.

(2) 17 enrollments in the University of the Philippines

(3) 18 enrollments in USAFI.

(4) 27 ECI completions.

(5) 10 GED high school completions.

(6) 12 CF course completions.

k. In collateral training requirements such as: small arms, first aid, etc., the organization completed 60% of the required training. The following OJT statistics for the period were as follows:

(1) Average number on OJT was 35.

(2) New entries into OJT were 23.

(3) Number tested was 15; qualified 9; unqualified 6.

(4) Number upgraded was 13.

(5) Number of manhours spent in OJT training not including training while on job was 17, 264 manhours.

l. Funds used during the period between 1 January 1960 - 30 June 1960 were as follows:

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8. ADMINISTRATIVE PROGRESS AND PROBLEMS (Cont'd)

OBJECT CLASS	AMOUNT
0111	$19,467.85
0141	232.22
0191	195.38
0211	18,425.80
0212	22,544.17
0740	102.75
1111	777.84

m. On 1 April 1960, the Administration Section became fully manned for the first time since activation of the 2876th GEEIA Sq. The heavy work backlog was eliminated.

n. Mr. Antonio G. Paiso, civilian employee, assigned to the 2876th GEEIA Sq was named the winner of the first and second prizes in the GEEIA-Wide Emblem Contest.

o. A/1C Lorato J. M. Cables, AF19 [illegible], was selected as Best Airman of the Month for June 1960 of Clark AB.

II - Installations Control

a. Under the organizational structure in effect from 1 January to mid-June, there existed an extensive correspondence and reporting system which appeared to be impossible to maintain under the forecasted saturated work-load conditions. For example, an installation by a single team included the accomplishment, in some cases, of 15 pieces of correspondence. Three elaborate wall charts were maintained daily and four flip charts were posted on a monthly basis. Under the increasing installation workload, these efforts were impeding turnaround and the system required definite revisions.

b. As a result of the June reorganization, Installation Control succeeded in accomplishing the following:

(1) Administrative personnel overhead was reduced to a [illegible].

(2) Correspondence, reports, charts and files were reduced to a minimum essential.

(3) The 15 pieces of correspondence which could be associated with a single installation were reduced to [illegible].

(4) There now exist only one wall chart maintained daily and two flip charts posted monthly.

(5) Telephone coordination has replaced most of the inter and intra-office communications and letters.

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9. CONTINUED (Continue on separate sheet)

II - Installations Control

a. Quality workmanship has been and is a continuing goal of this unit. Personnel assigned have displayed an extremely high technical capability and knowledge in performance of their duties. Numerous letters of appreciation and praise from satisfied customers proves this point. The newly created Quality Assurance Section is taking all necessary steps to retain and improve the high standards established within this squadron.

b. During this historical period the workload increased to the extent that a total of 82 work directives, 19 local area support projects and 11 surveys were completed.

c. Following are the major projects accomplished with total manhours involved:

(1) The VHF/UHF facilities at Wallace Air Station, Luzon, were relocated. 3,248 manhours.

(2) The installation of a CPX-7A (Selective Identification Feature of (ACSM) at Okino (Okinawa off-island). 2,240 manhours.

(3) Installation of complete TACAN facility plus monitors at Clark AB. 3,360 manhours.

d. Following are listed other projects accomplished by the squadron:

(1) At Kadena AB, the installation of a C-845/U control tower for Base Communications and the installation of special cryptographic equipment.

10. ADDITIONAL REQUIREMENTS (Continue on separate sheet)

a. Due to deactivation of Det 2, 1611AF (formerly 1611AF), this organization agreed to provide administrative support to the remaining personnel of the detachment until complete deactivation. This placed a large burden on the administrative section of the squadron as it was not sufficiently manned to handle the volume of official and personal mail that was received. By hard work, overtime and perseverance, a backlog was prevented. Action was taken to have the official mail routed to ATCA and the Base Post Office assumed the responsibility for receiving personal mail.

b. A survey was conducted on Iwo to determine the feasibility of establishing an operating location similar to that of Okinawa but smaller in structure

11. LIST OF SUPPORTING DOCUMENTS (Continue on separate sheet)

A. GENERAL ORDERS
B. ORGANIZATION CHARTS (See attached sheets)
C. MISSION DIRECTIVES
D. VITAL STATISTICS
E. ROSTER OF KEY PERSONNEL (Include position and date assigned)

PREPARED BY: [illegible], Captain, USAF, Historical Officer

APPROVED BY: [illegible], Major, USAF, Commander

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9. MISSION PROGRESS AND PROBLEMS (Cont'd)

(2) At Naha AB, Okinawa, the dismantling, removing and inventorying of a wind measuring set AN/GMQ-11, the installation of a telephone radio selector panel and a OCA tower light signal device, the repair of discone antennas at the Awase transmitter site and the installation of AT-197 antennas.

(3) At Andersen AFB, Guam, the installation of a TACAN monitor, the relocation of circle side band equipment and the rehabilitation of the control tower, the installation of a telephone radio selector panel, installation of a multiple addressor, and the installation of special cryptographic equipment.

(4) At Wallace Air Station, Luzon, the installation of AN/TRC-24 radio relay system and the rehabilitation of antennas and anchors for the receiver and transmitter sites.

(5) At Poro Point, P.I., the relocation of the TACAN unit.

(6) At Clark AB, the installation of AN/TRC-24 equipment, the installation of a complete FTA-13 telephone switchboard, and the installation of special cryptographic equipment. A 1000-line addition to the base Central Office was started during the reporting period and is still in progress.

e. The following surveys were conducted:

(1) At Clark AB: All AACS antennas on base and at Camp O'Donnell - 2,252 manhours.

Aerial and underground cable and wire - 1,270 manhours.

The 69th Radio Squadron Mobile Antenna Farm - 93 manhours.

(2) At Wallace Air Station:

All underground telephone cables - 96 manhours.

The forward scattered area - 42 manhours.

(3) At Andersen AFB, Guam: The AACS Air Comm facilities - 376 manhours.

(4) At Kadena AB, Okinawa: The RAPCON and CPN-18 cables - 63 manhours.

All "New Moon" stored cables - 408 manhours.

f. One of the important Pacific-wide projects which involved Installation Control was the physical inventory of all C-E materials under the name "Project Count". This involved the utilization of over 70 personnel and included approximately 3,408 manhours. Upon completion of this project, letters of appreciation were received for the splendid attitude of personnel and a job well done by this organization. Also, upon completion of "Project Count", letters were forwarded to all operating units thanking them for the cooperation extended to our personnel.

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9. MISSION PROGRESS AND PROBLEMS (Cont'd)

g. On 6 April 1960, letters were forwarded to all of our customers within our area of responsibility asking them for their cooperation in the packing, crating, storing and disposition of our C-E scheme excesses. In all cases but one, the letters were favorably received. In the one exception, at Kadena, it was pointed out that the Transportation Officer would be unable to store excesses. Our Detachment I storage facilities at Kadena should resolve this problem. (Attachment #F indicates a sample copy of one of the letters sent to Tainan, Taiwan, and indorsements thereto).

h. In order to satisfy the latest requirements for a reference technical library, the Squadron T.O. library was placed under the control of our Quality Assurance Section. This library compiled all available Tech Orders and was projected to have a complete file of T.O.'s in the near future. The library is located in an air-conditioned room and is also being used for organized training classes in addition to tech research.

i. During May and June Major Mazzolla and Capt Lavigne embarked on an active campaign to "sell" CEEIA to all units within the squadron's area of responsibility. Attachment #G is a scaled-down copy of large flip charts which were presented, along with a verbal narrative, to key personnel at each base and site. The briefings not only indoctrinated the customers, but also received instantaneous response in the form of requests for CE support which formerly had been provided by "internal bootleg" operations and outside assistance from non-AF agencies.

9. III - Supply and Services.

The material control function has been greatly assisted as a direct result of the accomplishments of Project Count, i.e., clearing out of excesses against completed or cancelled schemes and consolidating with CCSAC assets at CCAA and McClellan. Several CE scheme installation jobs were aided by assets from Project Count excesses as approved for diversion by CCSAC, thereby precluding a possible work stoppage. A complete physical inventory was concluded during the month of June in preparation of the forthcoming change of unit supply officers. CMC S-4 Walter C. Wright was scheduled to leave PCS to United States 16 July 60. Captain J. H. Schmidt, Jr., was slated to be the recipient of the Unit Supply account. Considerable progress was made in obtaining tools and equipment which have previously been in short supply. Some difficulty was encountered due to limited availability of funds. Another problem area occurred in the lack of CE scheme materials to commence installation of approved CE schemes assigned installation responsibility to this activity. A total of 25 schemes were past the MRD (materials required date). Very few if any materials were received at the end location. This lack of materials to commence or complete an approved scheme installation definitely hindered our mission progress.

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Attachments to Semi-Annual Historical Report

a. Organizational Chart.

b. Ltr, this orgn, dtd 23 Jun 60, Subject: Allocation of Buildings.

c. Ltr, this orgn, Subject: [redacted] Operating Location at Kadena AB, Okinawa.

d. Message ZPAL 7-11-[redacted], from Pacific [redacted] Rqm.

e. Roster of Key Personnel.

f. Ltr, this orgn, dtd 6 Apr 60, Subject: Packing, Crating and Storing of C-2 Scheme Excesses, w/2 Indorsements.

g. [redacted] Briefing Chart.

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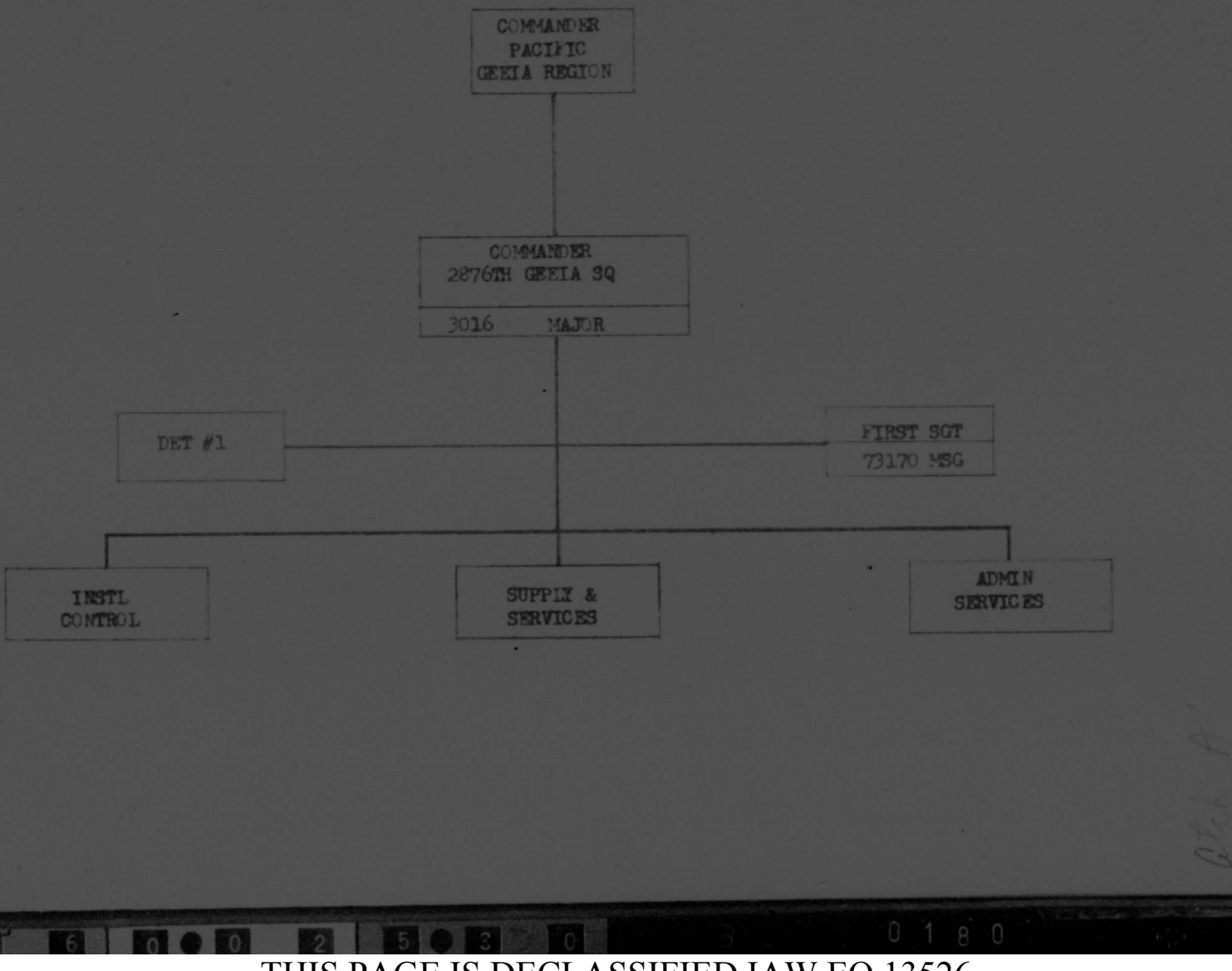

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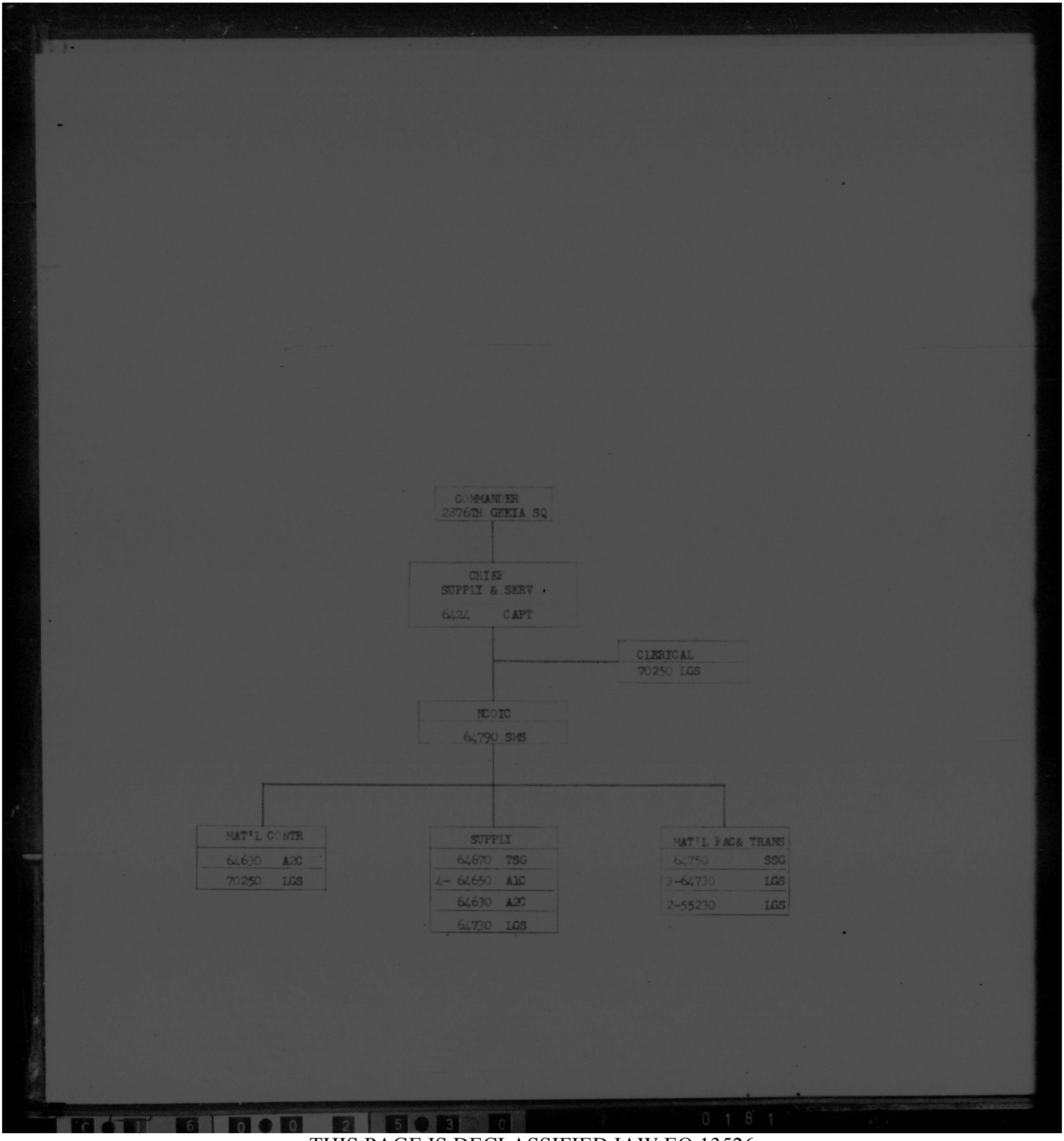

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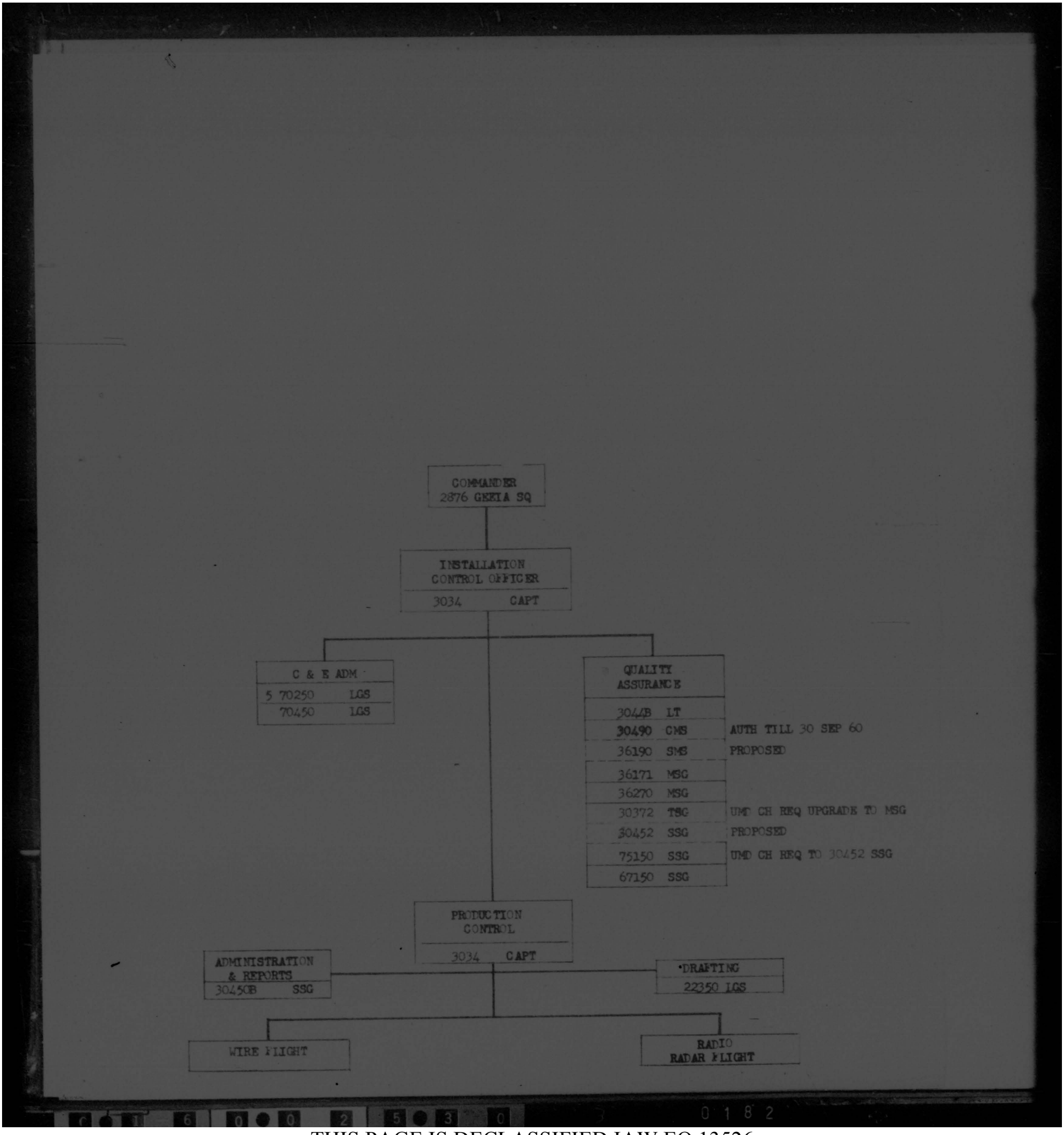

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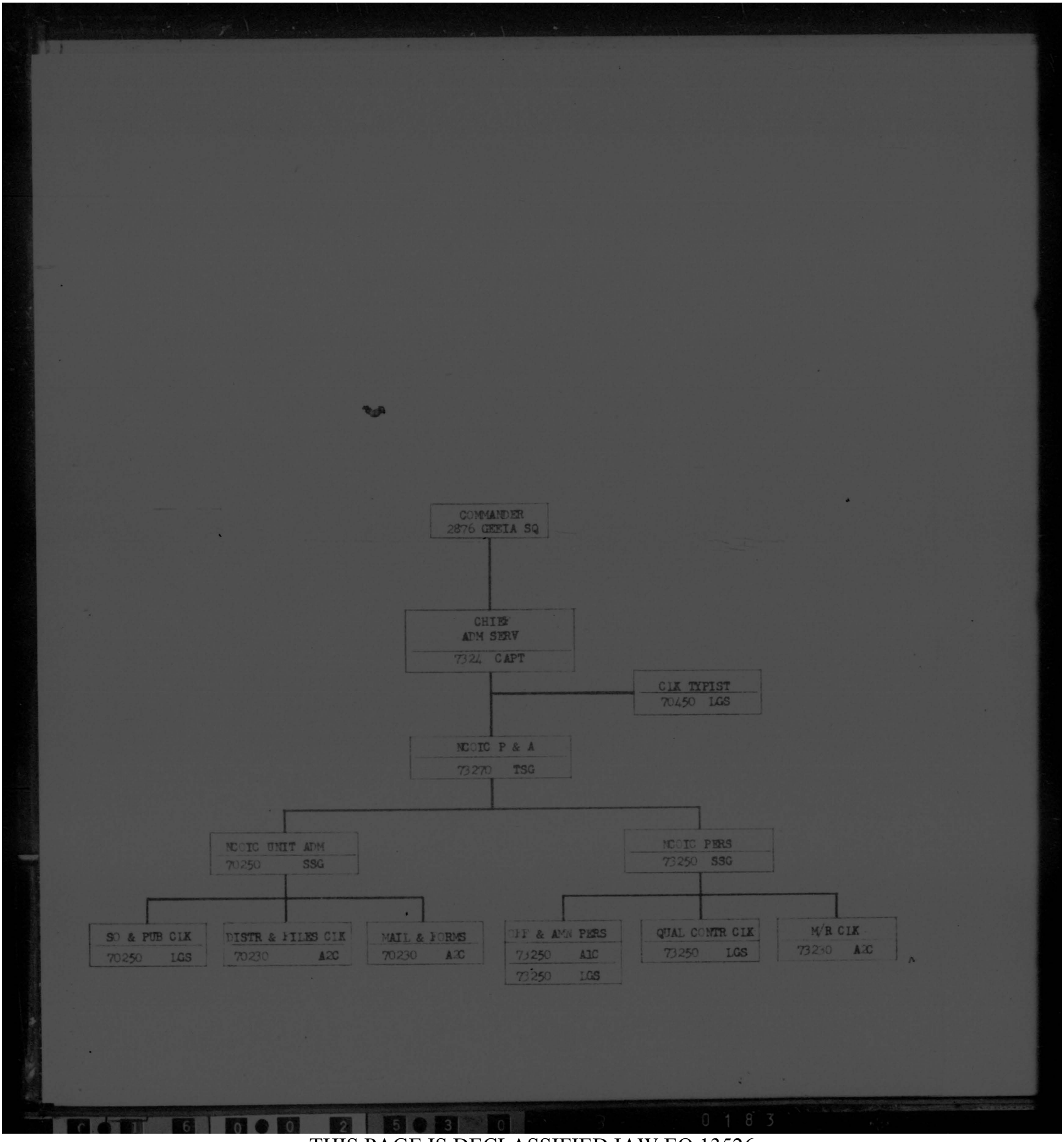

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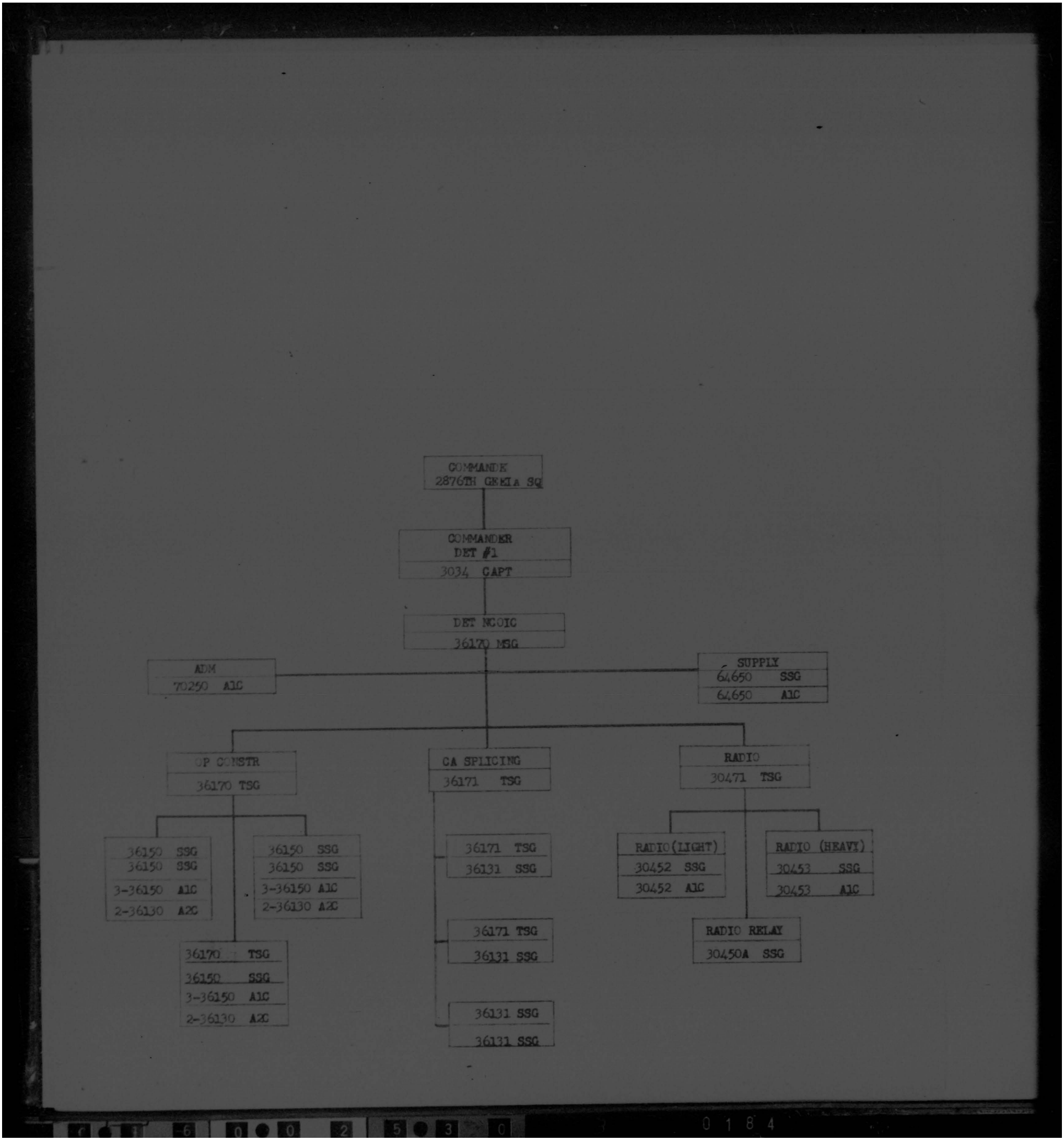

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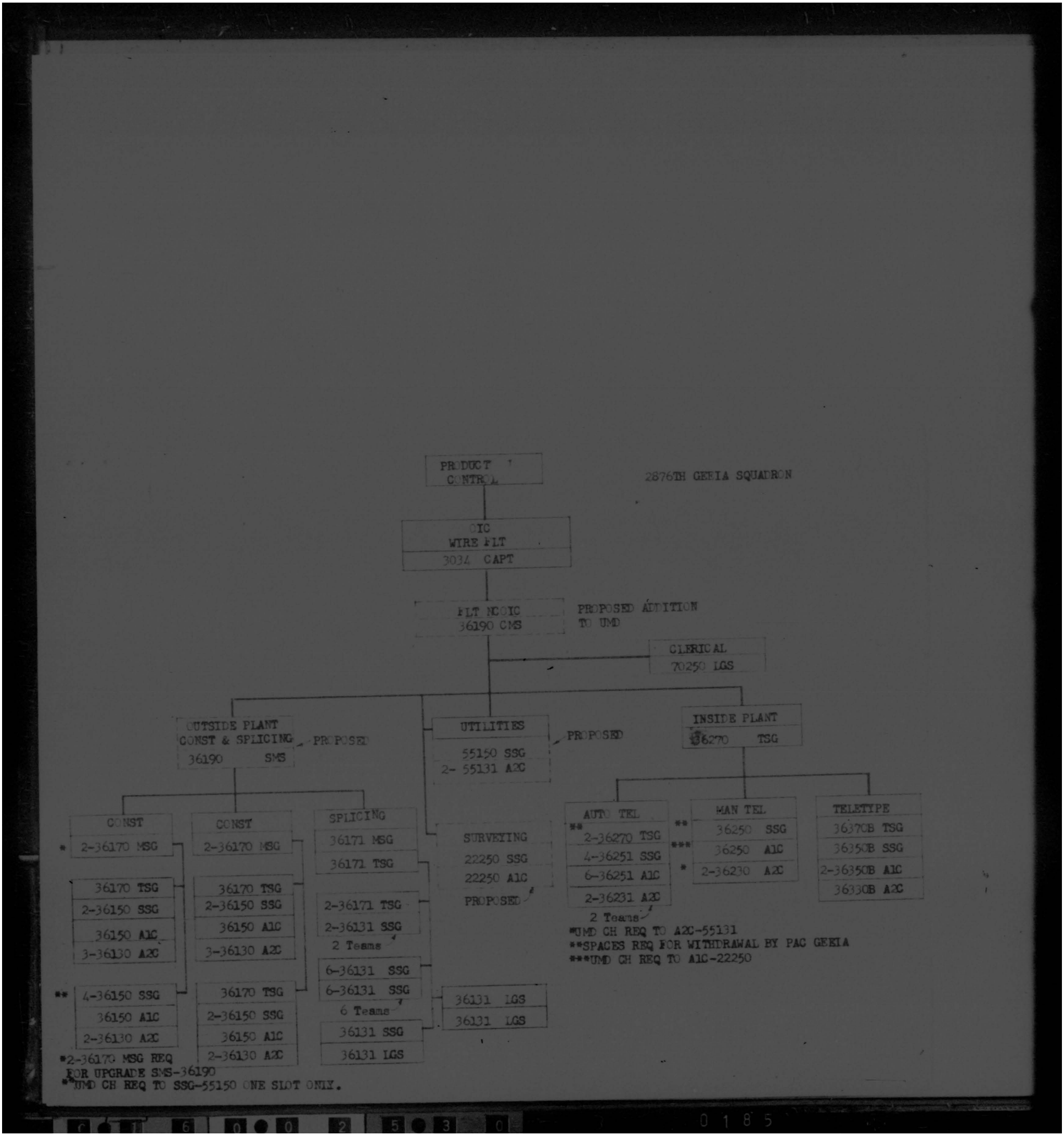

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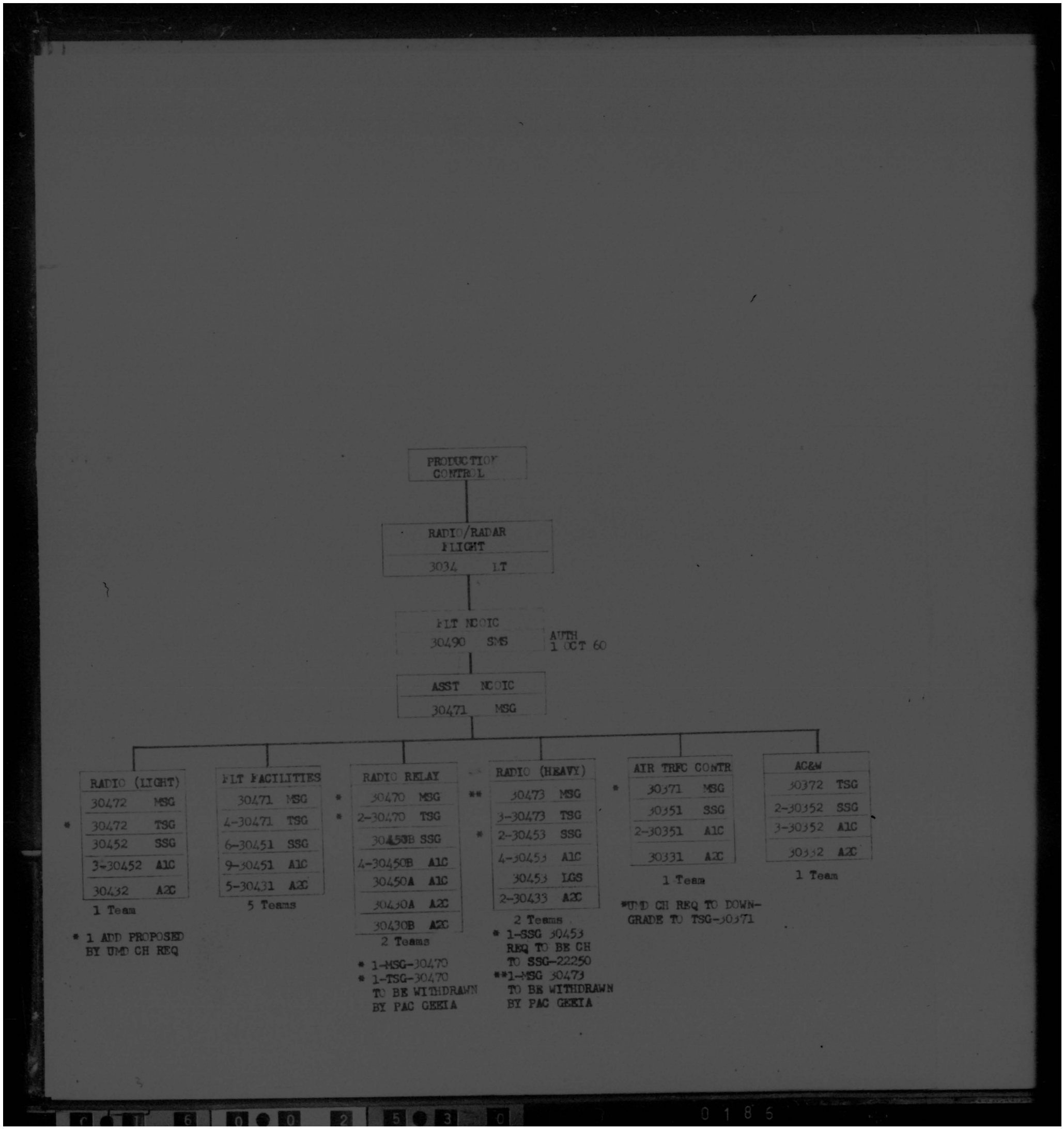

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2876th GEEIA Squadron (AUC)
United States Air Force
APO 74, San Francisco, California

REPLY TO
ATTN OF: ZPPC

23 Jun 1960

SUBJECT: Allocation of Buildings

TO: 6313th Air Base Wing (MC), APO 239

1. In order to satisfy the many requirements for Communication Electronics support on Okinawa and Off-island sites, Pacific GEEIA Region has agreed to station from its 2876th GEEIA Sq., at Clark AB, P.I., an operating location at Kadena Air Base. A complement of about 40 men will be on location at all times.

2. It has been determined that 10,000 sq. ft. of interior floor space plus approximately 6,000 sq. ft. of outdoor hard-surface area, will be required to accomodate the storage of CE equipment and supplies utilized by this activity.

3. The following buildings and adjacent areas have been examined and are deemed suitable to meet present requirements: Buildings T-1901, T-1951, T-1952, and T-1953. The cement pads in front of and adjacent to the buildings will also satisfy our needs.

4. Building 1901 is presently assigned to the Base Commissary. The remaining buildings are assigned to 1962nd AACS Group but, by mutual agreement, are occupied by 2876th GEEIA Sq. It is requested that subject building be released from their present tenancy and assigned on an indefinite basis to this organization in sufficient time to satisfy a target date of 5 July 1960.

5. The urgency of this requirement is dictated by the limited facilities in base supply and transportation warehouses now storing CE materials, and the continued arrival of more C-5 scheme shipments.

/s/t/JOHN T. MAZZOLLA
Major, USAF
Commander

C C P Y/pvs

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2876TH GEEIA SQUADRON (AMC)
United States Air Force
APO 74, San Francisco, California

REPLY TO
ATTN OF: ZPPI

SUBJECT: GEEIA Operating Location at Kadena AB, Okinawa

TO: PACCER (ZPC) APO 323

1. A thorough investigation of condition on Okinawa revealed a necessity for establishing a permanent GEEIA operating location at Kadena AB. Not only are there enough outside plant requirements to fully utilize whatever personnel GEEIA deploys but also the demand from their customers for depot level outside plant maintenance continually exceeds the organic capability of operating units.

2. In their desire to have GEEIA on board the base units have already promised and designated sufficient housing, warehousing office space and other support functions. Even the augmentation of personnel during the coming typhoon season has been considered and will be fully supported.

3. There remains only to prepare the required tenancy agreement and deploy a fully equipped GEEIA Cadre into the area. Initially these personnel would be on extended TDY with subsequent PCS without PCA. Families could then join their spouses and thus reduce the overall cost of the operation, increase efficiency, and insure retention of required skills.

4. The following personnel breakdown is considered basically adequate to support sustained type operations in the Okinawa area during normal periods. Personnel should be screened and selected for maximum overseas retainability and minimum personal problems.

AFSC	NR	JOB TITLE
3034	1	OIC
36170	1	NCOIC
36170	4	Team Chief & Assistant
36150	12	Outside Plant Personnel
36171	3	Cable Splicing Supervisor
36131	3	Cable Splicers
70250	1	Clerk Administrative
64150	1	Supply Technician
TOTAL ...	26	

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5. Functional description of above personnel is as follows:

a. The operating location OIC should be a CWO, AFSC 3034, with experience in the Outside Plant and Splicing areas. In general, he would be responsible for the efficient operation and welfare of the personnel assigned.

b. The NCOIC, AFSC 36170, would act as supervisor of all technical aspects and as the representative of the squadron first sergeant.

c. The Administrative Clerk, AFSC 70250 (military), would be responsible for the clerical and administrative duties of the location. He would perform general typing, receive distribution, maintain current regulation files, process messages and coordinate with the squadron on all administrative matters. He would also assist the supply technician with typing and supply accounting.

d. Two construction teams should be comprised of eight each 361X0 types. With four 36170 on hand this allow four each 4-man cells which could operate independently whenever smaller requirements exist. These teams would be responsible for all outside plant wire and antenna projects.

e. Three cable splicing teams must be comprised of two each 361X1 types. Each team should consist of a senior splicer and a splicing technician. The senior splicer on location must have overall supervision of the splicing effort.

f. The Supply Technician, AFSC 64150, would be responsible for the receipt, storage and issuance of all CE and unit property. He could be appointed RPC in Okinawa. He may also dispose of generated excesses.

6. As requirements for transportation will be continual, adequate vehicle support must be maintained. This applies not only to amount but also types. Maintenance support for vehicles on locations will necessarily be the responsibility of the base. The following specialized CRREA vehicles will be required:

TYPE	NUMBER
V-17 Construction Line Truck	4
V-18 Earth Auger	2
V-41 Cable Splicing & Utility	3
3/4 Ton Weapons Carrier	2
M-62 Wrecker	1
Truck 2½ 6x6	1
Comb. Pole & Cable Trailer	1
TOTAL	14

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7. A recommendation has been submitted to PACGER that this squadron be granted primary responsibility for the installation effort on Okinawa and surrounding islands. Pending a final decision, it is requested that we be authorized to set up an immediate temporary operating location at Kadena Air Base.

/s/t/ JOHN T. MAZZOLLA, SR
Major, USAF
Commander

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FM FACGER TACHIKAWA AB JAPAN

TO 2876 GEEIA SQ CLARK AB PI

UNCLAS ZPAM 7-24-E

FOR ZPTY. REFERENCE YOUR LTR SUBJECT PROPOSED 2876TH GEEIA SQUADRON DETACHMENT. HQ GEEIA HAS AGREED WITH YOUR PROPOSAL TO ESTABLISH A DETACHMENT AT OKINAWA. REQUEST TO ESTABLISH DETACHMENT NR 1, 2876TH GEEIA SQ HAS BEEN FORWARDED TO AMC FOR PUBLICATION IN GENERAL ORDERS EFFECTIVE AS SOON AS POSSIBLE. ANTICIPATED EFFECTIVE DATE IS SEPT 1. HOWEVER DO NOT ESTABLISH A DETACHMENT UNTIL ADVISED OF GENERAL ORDER NUMBER AND EFFECTIVE DATE. SUBMIT ASAP GEEIA FORM 53 TO IDENTIFY BY NUMBER ALSO GRADE AND TITLE THE DELETION AND ADDITION OF SPACES FROM YOUR UNIT TO DETACHMENT. ALSO SUBMIT ASAP TENANCY AGREEMENT FOR REVIEW BY PLANS & PROGRAMS THIS HQ, GEEIA AND ROAMA.

BT 12 JUL

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ROSTER OF KEY PERSONNEL

GRADE	NAME	AFSN	DUTY TITLE	DATE ASSIGNED	REMARKS
MAJOR	BROWN, DELLAS A.	A0675032	Commander	W/activation of Sq	Rsgd to ZI, 7 Mar 60
CAPT	HOOVER, WARREN P. JR	A0677277	Commander	7 Mar 60	Rsgd to ZI, EDCSA: 23Aug60
MAJOR	MAZZOLLA, JOHN T SR	A01638025	Commander	22Apr60	
CAPTAIN	CAMDELARIA, LOUIS	42429A	Chief, Instln Control	W/activation of Sq	Rsgd to ZI in Apr 60
CAPTAIN	LAVIGNE, RALPH J.	A02217916	Chief, Instln Control	11 Apr 60	
CAPTAIN	O'NEIL, WILLIAM E.	A01854352	Chief, Admin Svcs	10 Sep 59	
1ST LT	COLEMAN, HARRY H.	A03083010	Chief, C Flt	1 Sep 59	PCS: 3 Feb 60
1ST LT	WRIGHT, RICHARD J.	A03073504	Dep Ch, Instln Control	19 Jan 59	Ret to ZI for separation.
2ND LT	CARR, HOUSTON H.	56212A	Chief, Quality Assurance	2 Feb 60	
CWO,W-3	JOHNSTON, JAMES A.	950772E	Chief, Production Control	19 Jan 59	
CWO,W-2	FERGUSON, DONALD D.	954249E	Commander, Detachment 1	26 Mar 59	
CWO,W-2	SWOPE, CHARLES J.	953725E	Chief, B Flt	1 Jan 59	Rsgd to ZI.
CWO,W-2	ANGLETON, BRYAN J.	954040E	Chief, Wire & Utilities Flt	3 Jun 60	
CWO,W-2	SWAN, GEORGE D.	954977E	Chief, Radio/Radar Flt	5 Oct 59	
1ST LT	VAN PELT, RICHARD W.	A03072058	Chief, Supply & Services	19 Jan 59	Ret to ZI for separation.
CWO,W-2	WRIGHT, WALTER C.	955111E	Chief, Supply & Services	15 Dec 59	

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ltr, 2876th OEEIA Sq, (APII), 6 Apr 60, Packing, Crating and Storing of C-B Scheme Excesses

1st Ind (IFCD) 19 APR 1960

Hq, ATF 13 (P), APO 63, San Francisco, California

TO: Commander, 621Ath Tactical Group, APO 1AO, San Francisco, California

Forwarded as a matter pertaining to your command.

FOR THE COMMANDER:

W. E. SANDUSKY, Maj., USAF
Chief, Administrative Services

1 Atch
n/c

2nd Ind (KOC) 29 APR 1960

621Ath Tactical Group, APO 1AO, San Francisco, California

TO: Commander, 2576th OEEIA Squadron (AMC), APO 74, San Francisco, Calif..

1. No difficulties are anticipated in your obtaining services or assistance requested in paragraph 3 of basic letter.

2. While secure storage facilities, for large quantities of equipment is at a premium at both the Tainan and Taipei Air Stations, we wish to give every reasonable service and assistance to your people.

3. When need for handling excesses arise, request your team chief contact the 6213th Squadron Commander (at Taipei) or the 621Ath Materiel Squadron Commander (at Tainan) in order to effect the necessary coordination for desired services.

FOR THE COMMANDER:

JERROLD I. ROWLEY
Major, USAF
Administrative Officer

Atch
W/D

Copy to:
6213th SUPPRON

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2876TH GEEIA SQUADRON (AMC)
United States Air Force
APO 74, San Francisco, California

REPLY TO
ATTN OF: ZPFI

SUBJECT: Packing, Crating and Storing of C-E Scheme Excesses

TO: ATF 13(Prov), APO 63

1. There will be occasions when our GEEIA teams will be obliged to have excess C-E materials, left over from installations, packed and crated; then temporarily stored with transportation Officers until disposition instructions are received from ROAMA-GESAC.

2. In fulfilling its mission of performing timely and satisfactory installations for its customers, this activity cannot develop packing, crating, and storing capabilities. It will, however, expedite the disposition of C-E excesses through its direct contact with ROAMA-GESAC.

3. Therefore, it is requested that your Base provide packing and crating of generated C-E excesses and, through your Transportation Officer, provide temporary storage of these crates pending receipt of shipping instructions.

4. 2876th GEEIARON SOI 67-2, delineating procedures for us to follow in the disposition of C-E scheme excesses, is attached for your information.

5. Request you reply by 1st Indorsement.

/s/t/ WARREN P. HOOVER, JR
Captain, USAF
Commander

1 Atch
SOI 67-2, 2876th GEEIA
dtd 23 Mar 60

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*SOI 67-2

SQ OPERATING INSTRUCTION
NUMBER 67-2

2876TH GEBIA SQUADRON (AMC)
APO 74, San Francisco, California
23 March 1960

Supply

DISPOSITION OF SCHEME EXCESSES

PURPOSE: This SOI is designed to provide standard guidance to squadron personnel in disposing of scheme material excesses.

1. References. Amendment 72, Sect 15, par 8, Vol I of AFM 67-1, Amendment 30 to AFM 67-1, Vol XIII, dtd 19 Oct 59 (paragraphs 3a(13), 4b, 4c, and 20 apply) and PACGER Reg 67-6 dtd 3 March 60.

2. Definitions. C-E excesses are defined as follows:

a. C-E facilities installed and operating on an interim basis and scheduled for return to stock or redeployment.

b. C-E operating facilities replaced by modernization or removed by inactivation and for which the Major Air Command has indicated no further requirement.

c. All residue from a Bill of Material.

3. Procedures.

a. Team Chiefs will:

(1) Following a removal or installation of any C-E facility, notify our Material Control Section immediately by telephone or TWX, of all excesses, regardless of line item dollar value and serviceability of items.

(2) Indicate to Material Control the serviceable and reparable condition of items.

(3) Then dispose of excess items as follows:

(a) Have Base Supply salvage unserviceable excess items in accordance with Section XIII, AFM 67-1.

(b) Have Base Supply pick up on AF Form 695-7 all line items excesses except those classed as "Short Supply" that have a total line item value of $25.00 or less as indicated on the Bill of Materials. (Authority: Paragraph 3a(13) of Amendment 30 to AFM 67-1, Vol III, dtd 19 Oct 59).

(c) Have the Base pack and crate remaining pure excesses including any "Short Supply" items in accordance with AFR 11-4, dtd Dec 59 (Base Support of tenant units).

*This SOI supersedes 67-2, dtd 17 Mar 59.
ODI: ZFPI
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SOI 67-2

(d) Have the Base Transportation store the packed and crated pure excesses until disposition instructions are received from GEEIA. (At certain work locations, GEEIA storage areas are provided with GEEIA retaining sole accountability and access to the areas).

b. Material Control will:

(1) Notify CESAC (ROSX at ROAFA) by electrical means of all pure excesses. An information copy of the message will be forwarded to PACGER ATTN: ZISM. Serviceable and economically reparable items and extent of repair required will be reported. Salvaged, unserviceable items will also be reported.

(2) Allow CESAC 30 days from date of transmission to provide disposition instructions on pure excesses. If instructions are not received in 30 days, CESAC will again be queried by electrical means.

(3) Contact Base on which excesses are stored and have all pure excesses shipped to CESAC-directed destinations, or shipped directly to the appropriate prime depot if at the end of 15 days CESAC has not answered the second electrical query. Appropriate AAC P433.X fund citation will be obtained from our budget section (ZPDA) and used for all shipments of C-E excesses. CESAC and PACGER will be notified of all action taken.

c. Squadron Supply will assist Material Control by:

(1) Entering on all Bill of Materials before issuance to team chiefs the total dollar value of each item that has a total line item value of $25.00 or less.

(2) Indicating "Short Supply" items on BOM's.

(3) Providing personnel whenever required to the team chief who is reporting excesses.

(4) Coordinating with Material Control the shipment of excesses to appropriate CESAC or prime depots, as applicable.

WARREN P. HOOVER JR
Captain, USAF
Commander

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Ground Electronics Engineering Installation Agency

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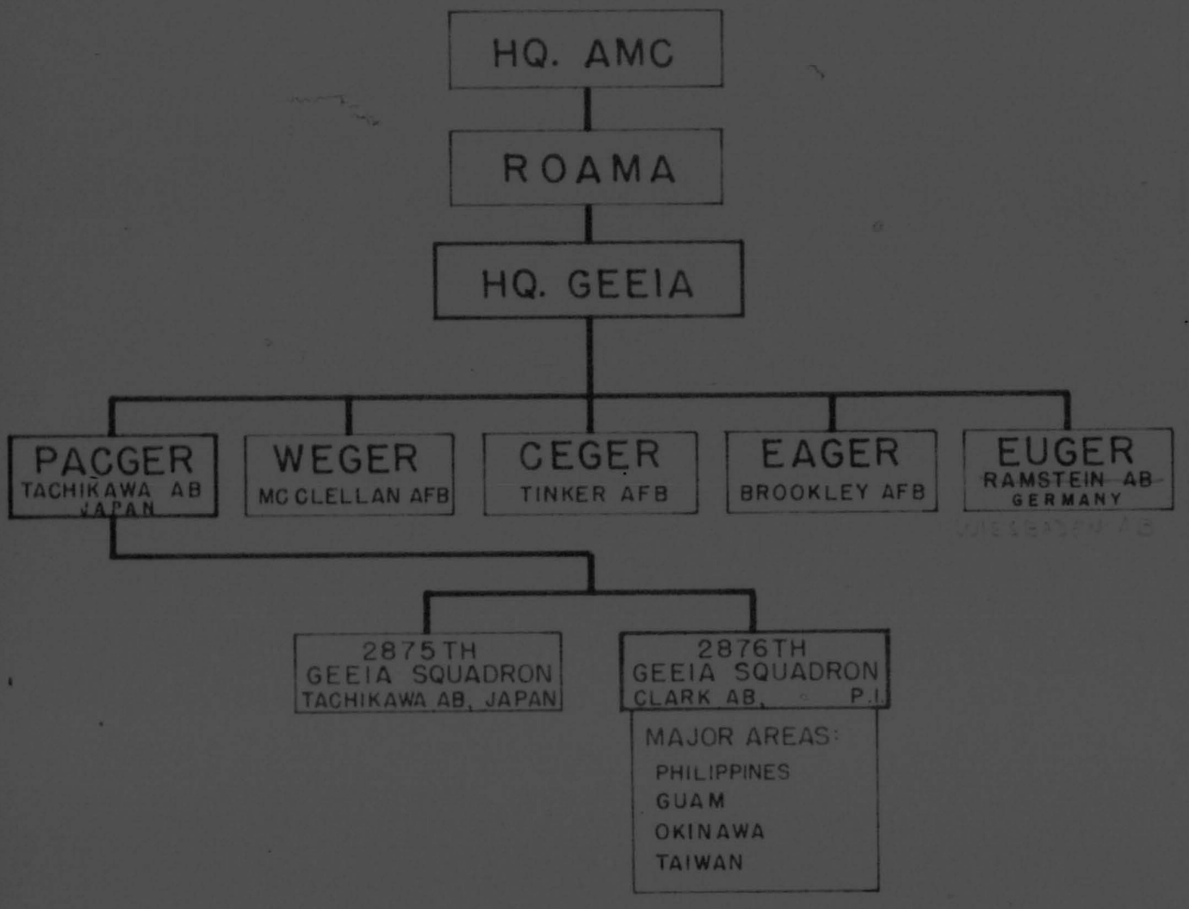

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GEEIA MISSION (AFR 20-17)

1. PROVIDE TECHNICAL ADVICE TO MAJOR OPERATING COMMANDS.

2. DEVELOP, ADMINISTER, AND REVIEW THE FIXED INSTALLATION PORTION OF P C S P.

3. DEVELOP REQUIREMENTS FOR AND MONITOR STATUS OF SUPPORTING STRUCTURE AND APPROPRIATE M C P.

4. PERFORM SYSTEM AND FIELD ENGINEERING.

   A. DEVELOP STANDARDS.
   B. COLLABORATE WITH R & D.
   C. PROVIDE FLEXIBILITY OF MODERNIZATION AND REHABILITATION.
   D. ESTABLISH S F E L'S (STANDARD FACILITY EQUIPMENT LISTS).

5. SUBMIT COST ESTIMATES.

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GEEIA MISSION.....

6. SUBMIT PERIODIC FORECASTS FOR MATERIALS.

7. ALLOCATE WORKLOAD TO AND DIRECT ACTIVITIES OF FIELD UNITS.

8. DETERMINE AND UTILIZE CONTRACT AUGMENTATION.

9. DETERMINE NEED FOR "PROCURED / INSTALLED".

10. TRAIN A F RESERVES AND A N G E-I UNITS.

11. EXECUTE JOINT TENANCY AGREEMENTS WITH BASE COMMANDERS TO SUPPORT FIELD UNITS.

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GEEIA INSTALLATION PRIORITIES

OUR FIRST GOAL IS TO ACCOMPLISH ALL WORK, BUT WHENEVER A SELECTION HAS TO BE MADE AS TO WHICH JOB COMES FIRST THE FOLLOWING PRIORITIES APPLY:

PRIORITY ONE: SUPPORT OF STRATEGIC MISSILES

1. LAUNCH FACILITIES
2. SUPPORT OF TENANT ENGAGED IN LAUNCH OPERATIONS.

PRIORITY TWO: STRIKE FORCE

1. SAC-TAC
2. AIRCOMM
3. WX AND NAV-AIDS SUPPORTING STRIKE FORCE.

PRIORITY THREE: AIR DEFENSE

1. MISSILES
2. ADC-SAGE
3. WX AND NAV-AIDS SUPPORTING ADC.
4. USAFSS

PRIORITY FOUR: ALL OTHER C-E FACILITIES.

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2876TH GEEIA SQDN.

MISSION

- NEWLY INSTALL
- MODERNIZE
- REMOVE
- RELOCATE
- REHABILITATE

FIXED GROUND C-E FACILITIES ASSOCIATED WITH

- OUTSIDE PLANT WIRE SYSTEM
- OUTSIDE PLANT ANTENNA SYSTEMS.
- INSIDE PLANT TELEPHONE C.O.
- RADAR SYSTEMS
- RADIO SYSTEMS
- NAV-AIDS SYSTEMS
- AIRCOM SYSTEMS

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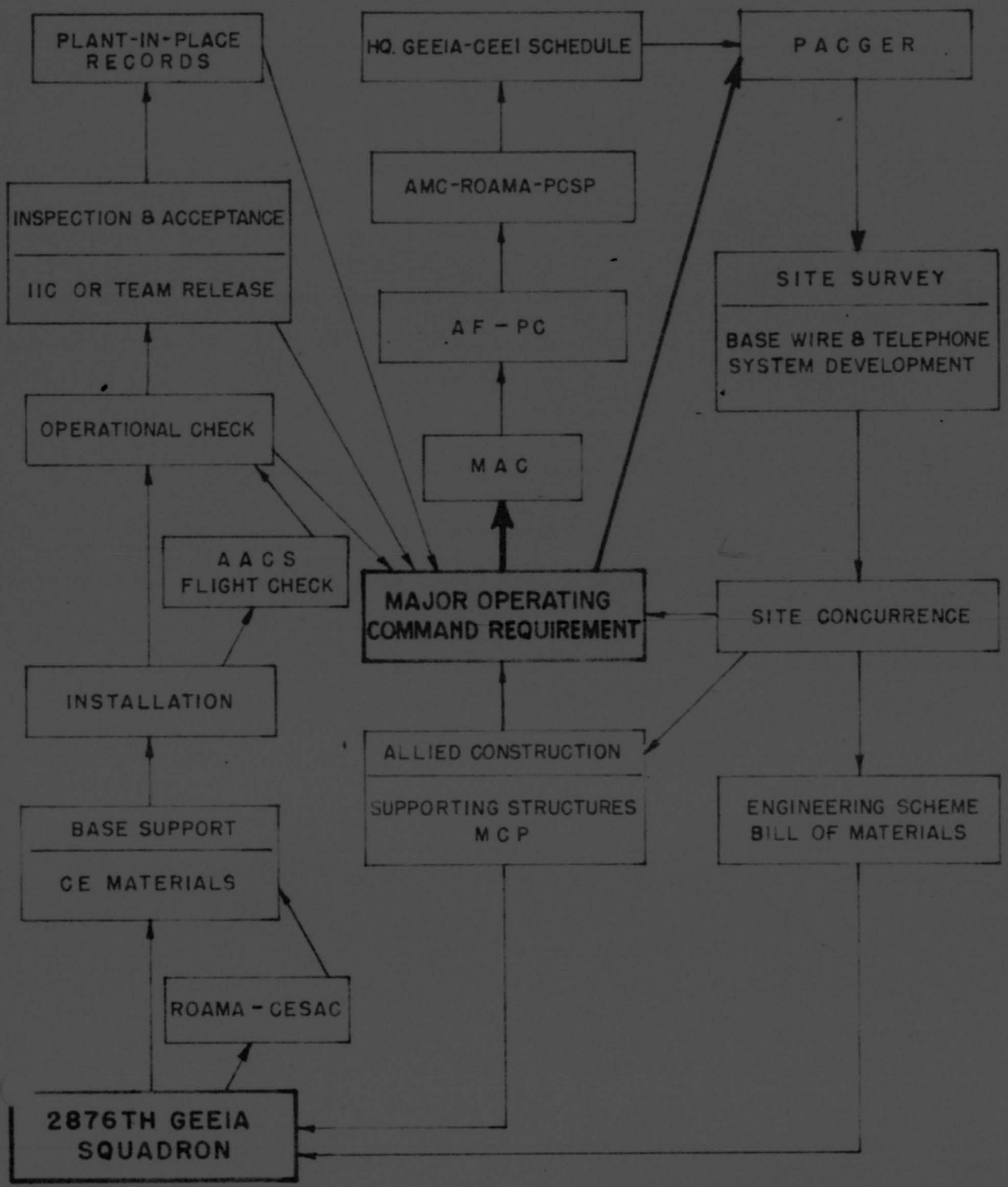
CYCLE OF ACCOMPLISHMENT



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THE ONLY WORKING FORMULA

IS A

DIRECT PROPORTION

BETWEEN

GEEIA AND THE CUSTOMER

IN OTHER WORDS:

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FULFILMENT OF THE
GEEIA MISSION

IS TO

THE CUSTOMER'S SATISFACTION

AS

GEEIA'S INSTALLATION OF
PROGRAMMED FACILITIES

IS TO

THE CUSTOMER'S USE OF GEEIA
AS THE SOLE INSTALLATION
AGENCY

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GEEIA'S JOB OF PROVIDING	=	OPERATING COMMAND'S
1. PROPERLY PROGRAMMED ENGINEERING AND INSTALLATIONS		1. SUBMISSION OF TIMELY AND COMPLETE REQUIREMENTS
2. 100% MATERIALS		2. ASSISTANCE IN PROCESSING MATERIALS TO END LOCATIONS
3. COMPLETE OPERATING FACILITIES		3. CURTAILMENT OF CANNIBALIZATION AND UNCOORDINATED MODIFICATIONS
4. UP TO DATE PLANT-IN-PLACE RECORDS		4. CURTAILMENT OF UNCOORDINATED INSTALLATIONS AND RELOCATIONS
5. EFFICIENT OPERATION OF INSTALLATION PERSONNEL RESULTING IN TIMELY, ACCEPTABLE AND EXCEPTIONAL INSTALLATIONS.		5. BASE SUPPORT OF GEEIA PERSONNEL, COMPLETE COOPERATION, AND DESIRE FOR SATISFACTION.

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SEMIANNUAL HISTORICAL REPORT		REPORTS CONTROL SYMBOL: AU-D5
1. NAME OF UNIT: 2875th GEEIA Squadron	2. LOCATION: Tachikawa Air Base, Japan	3. FROM: 1 Jan 60 THROUGH: 30 Jun 60

4. NAME AND LOCATION OF NEXT HIGHER HEADQUARTERS

Pacific Ground Electronics Engineering Installations Agency Region (AMC)

Tachikawa Air Base, Japan

5. PERSONNEL STRENGTH (Last day of reporting period)

	OFFICERS	AIRMEN	CIVILIAN	TOTAL
AUTHORIZED	12	247	1	260
ASSIGNED	12	235	1	248
ATTACHED	0	2	0	2

6. STATEMENT OF MISSION INCLUDING CHANGES (Continue on separate sheet)

MISSION: In accordance with the policies established by the Chief of Staff, USAF, and as directed the Commander, Pacific GEEIA Region, and other competent authority: The 2875th GEEIA Squadron is responsible to perform field installation of facilities to insure timely completion of approved ground electronics programs.

7. ORGANIZATIONAL CHANGES INCLUDING REASONS FOR CHANGE (Continue on separate sheet)

In January, the Unit Training was placed under the supervision of Installations Control. It had previously been under the Unit Administration. Since most of our training involved the technical training of Installations Control Personnel, this change provided closer co-ordination and better control of our squadron training program.

AMC FORM SEP 58 268

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8 ADMINISTRATIVE PROGRESS AND PROBLEMS (Continue on separate sheet)

During the period of this report two airmen were discharged under the provisions of AFR 39-17; four NCO's were discharged and reenlisted and four airmen were discharged and reenlisted. In addition, one airman was given Article 15 and was reduced. One NCO was reduced by a Summary Courts-Martial, and one airman received a restriction and fine by a Summary Courts-Martial. Four Airmen were placed on the Control Roster.

In May, Pacific GEEIA Region requested that personnel of the 2875th and 2876th GEEIA Squadrons get together and submit a letter recommending separate Geographical Areas of Responsibility. In June they submitted the letter recommending what the areas were.[1] Also, it stated that the 2875th and 2876th GEEIA Squadrons would mutually help each other in areas where it would become necessary.

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1 See Section 11 - F (Memo)

(Continued on Page 4)

9 MISSION PROGRESS AND PROBLEMS

In accordance with Project Count - USAF World-Wide Asset Inventory - ROAMA instructed the Pacific GEEIA Region in January to perform the inventory.[13] The Installations Control Section of 2875th GEEIA Squadron issued instructions to its Project Count Teams.[14] The inventory was performed in February with 368 schemes

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13 See Section 11 - R (Letter)

14 See Section 11 - S (Letter)

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9. CONTINUED (Continue on separate sheet)

counted on 35 bases listing a total of 6907 line items. Then, in March and April, a sample inventory was performed on items specified by CESAC on five bases as a Quality Control Measurement[15] of the original count. On 23 schemes, a total of 31 line items were counted. Recount was made in the presence of base resident auditors of the bases reinventoried. The evaluation of the recount was submitted by the auditors to Headquarters USAF.

A list of projects assigned to the 2875th GEEIA Squadron (for installation and rehabilitation or survey) that were worked on during the period of this report was prepared.[16]

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15 See Section 11 - T (Message)

16 See Section 10 - A (List)

(Continued on Page 8)

10. ADDITIONAL REQUIREMENTS (Continue on separate sheet)

APPENDIXES

A. List of Projects and Manhours

B. Excess UAL Properties Listing

C. List of Hand Tools

11. LIST OF SUPPORTING DOCUMENTS (Continue on separate sheet)

A. GENERAL ORDERS
B. ORGANIZATION CHARTS
C. MISSION DIRECTIVES
D. VITAL STATISTICS
E. ROSTER OF KEY PERSONNEL (Include position and date assigned)

PREPARED BY Joel H. Fenster
JOEL H. FENSTER, 2nd Lt, USAF
Unit Historian

APPROVED BY Charles L. Galbraith
CHARLES L. GALBRAITH, Major, USAF
Commander

AF-WP-O-SEP 58 8,200

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8. Continued

In March, Pacific GEEIA Region requested that we remove two positions (one technical sergeant and one staff sergeant) from our Total Military Allotment Authorization.[2] We replied in April stating the positions we would give up.[3] The Region informed us of 17 TMA spaces that were removed by ROAMA.[4] As of 30 June 1960, these 17 people were being carried as surplus on the Manning and Information Roster as we believed we needed these people. After a meeting of all 2875th GEEIA Squadron Section Chiefs, a proposed change to our UMD was submitted on 7 June 1960 through Pacific GEEIA Region to GEEIA.[5]

It was recommended by AMC inspectors in May to Pacific GEEIA Region that the two Contract Technician positions be withdrawn from the 2875th GEEIA Squadron. Region requested that the 2875th GEEIA Squadron submit a letter of justification for the retention of the CT's if so desired. The letter was submitted on 7 June 1960.[6] Region considered the squadron's justification insufficient and removed the positions as of 1 July 1960.

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2 See Section 11 - G (Letter)

3 See Section 11 - H (Letter)

4 See Section 11 - I (Letter)

5 See Section 11 - J (Proposed UMD Change)

6 See Section 11 - K (Letter)

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8. Continued

During the last part of June, the Commander's GS-4 (Secretary Position) was removed from the UMD.

In March, Pacific GEEIA Region authorized the 2875th and 2876th GEEIA Squadrons to establish Material and Quality Assurance Sections on a trial basis.[7] The Material Section had the responsibility of monitoring the material phases of schemes assigned to each squadron for installation. The Quality Assurance Section had the responsibility of inspecting the installation work performed by that squadron. At that time, Region and the squadrons believed that this would be beneficial to our mission. The reason for this being that the squadrons were more familiar with their installation problems. However, Region rescinded the above mentioned letter in April.[8]

The squadron's insignia featuring the octopus was disapproved by Headquarters USAF in November 1959. At that time Hq USAF proposed a modified sketch for our consideration.[9] It was the belief of the squadron that there were enough original ideas within the unit to design our own insignia.

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7 See Section 11 - L (Letter)

8 See Section 11 - M (Message)

9 See Section 11 - N (Letter)

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8. Continued

Thus the squadron rejected the Hq USAF proposed design and launched a contest for the best design[10] in February 1960. In June 1960 a design[11] was proposed by the squadron for acceptance by Hq USAF. Its colors were blue, gold and white.

After an intensive fund raising drive, squadron personnel donated $1170.61 to the Air Force Acedemy Stadium Fund Drive. We were the first organization on Tachikawa Air Base to reach $1,000 goal. (Four individuals - Major Galbraith, Major Knight, Captain Moreland and Mr. Vinessa - contributed $100 apiece.) When the stadium is completed, in 1962, a plaque will be placed on one of its walls commemorating the 2875th GEEIA Squadron for its outstanding contribution. (Plaques will be placed on walls in the Falcon Stadium for each organization contributing over one thousand dollars.) The recommended inscription for the plaque as submitted by the squadron was "In recognition of the loyal support of the members of the 2875th GEEIA Squadron".

A first aid course was established to instruct all officers and airmen the proper procedure to be used in rendering first aid to others. Special emphasis was placed on mouth to mouth respiration and first aid for those types of accidents which might be encountered on work assignments.

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10 See Section 11 - O (Letter)

11 See Section 11 - P (Proposed Design)

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8. Continued

Sixty percent of the assigned personnel have attended and successfully completed the two day course.

The organization was fortunate to obtain the use of Building #1545 for training purposes. In accordance with letter of 8 April 1960[12] from the Squadron Training Officer, squadron personnel cleaned out the building and placed it in operating condition. "B" Flight has set up equipment to conduct classes in cable splicing. Classes in basic radio mathematics have begun and will be conducted periodically to keep airmen current in their work.

Twelve airmen were entered into OJT up-grade training and eleven airmen were up-graded during the six-month period.

On 1 January 1960, "A" Flight was dissolved and "B" Flight was redesignated as "A" Flight. All enlisted personnel from the old "A" Flight were placed in the "A" Flight and "D" Flight. The OIC was reassigned within Installations Control. The reason for the change was that consolidation of the personnel simplified supervision. Also, "A" Flight had been very small and the new "A" and "D" Flights benefited by gaining needed personnel. In addition, we experienced better utilization of our NCO's.

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12 See Section 11 - Q (Letter)

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9. Continued

The list is divided into two sections - those that were completed during the period of this report and those which remained imcomplete as of 30 June 1960. The listing is broken down to show location, type of work and manhours spent during the period of this report.

The Installations Control Section had 170,815 assigned manhours during the period 1 January 1960 to 30 June 1960. A total of 79,632 manhours, 46.5% of the total assigned manhours, were expended on TDY from the Installations Control Section on the installation of 114 CE schemes. The 46.5% is an increase of 8.5% over the percentage of productive manhours used during the reporting period 1 July 1959 to 31 December 1959. A total of 24,824 manhours, which represents 14.5% of the assigned manhours, were expended for Area Support. Area Support included all office personnel in the Installations Control Section, local drivers, squadron details, personnel used by Tachikawa Air Base during periods of strike and local modification of scheme materials. The Installations Control Section used 33,691 manhours, 19.7% of the total assigned manhours, in classroom training. This 19.7% is an increase of 15.4% over the percentage of manhours used for training during the reporting period 1 July 1959 to 30 December 1959.

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9. Continued

The calendar year 1960 began with an inventory in progress of all CE Schemes and related materials in preparation for a review by a CESAC appointed team. This inventory, a refinement of one conducted in November 1959, was printed in itemized listing form[17] and resulted in an extensive disposal program.

Through the combined efforts of personnel of the Installations Control Section, the CESAC Review Team and the Supply and Services Section all CE Scheme Material in storage was inventoried, sorted and prepared for movement from location. 22 "conex" containers were utilized to ship desired materials to SMAMA. Approximately 200 tons of unnecessary or excess items were shipped to disposal and approximately 500 CE Schemes were segregated and re-warehoused to remain in place until utilized.

By the end of January 1960 over 100,000 sq ft of storage space had been vacated. With less material to be stored and a reduced space requirement a move was started to a smaller building. This would house the supply offices, disaster and shop stocks, tool crib, instrument shop, carpenter shop, and segregated storage areas for Installations flights. The move to the warehouse #1323 Tachikawa East was completed in February 1960.

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17 See Section 11 - U (Letter)

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9. Continued

An inventory of tools and equipment was accomplished in February 1960 and a listing was circulated through the 2876th Squadron and organizations tenant at Tachikawa. This action resulted in a 55% redistribution of material with the remainder shipped to Base Supply for disposal. A resume of this action was appended to an inspection report as indication of action taken to dispose of large quantities of unauthorized equipment.

In March 1960 a review of the UAL was accomplished and items in excess to authorization were listed. This listing was processed by the Installations Section and items considered necessary were justified and submitted for authorization on UAL change requests. The remaining items on the listing were reported to the 2876th GEEIA Squadron for their review[18]. In June the un-wanted items were turned into AFB 2337 and the UAL then reflected only authorized items and balances and quantities due-in.

In April 1960 the hand tools and equipment status came under review. A count was made of hand tools on issue to team personnel and compared with a computed requirements list. This action disclosed on approximate 70% shortage of needed equipment. A request for funds was duly submitted and re-submitted with additional justification. No action was realized before the end of FY 60 which necessitates re-submission after 1 July 1960.

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18 See Section 10 - B (List) 10

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9. Continued

A revision to the FY 61 FIN plan was submitted in June 60 to properly fund for the required materials[19].

During the period from 1 January to 30 June 60 materials shipped from the scheme warehouse totaled 2,387 line items for 149 schemes. Materials received during this period totaled 298 line items for 94 schemes. These receipts were, in the main, bits and pieces for the partial schemes left in storage after the January disposal action. As of 30 June a locator card review indicates 267 CE Schemes are in storage and an additional 300 line items of scheme excess and non-scheme materials.

The problem of shipment of CE Scheme material by Insured Parcel Post has been encountered. Situations have developed at locations throughout Japan wherein Postal Units have received packages addressed to Commanders of units not located in their area and specifying a named individual unknown to them. A third addressee is specified in the form of the AFB Account. It is to this activity these packages have been delivered. With the "scheme-warehouse" concept having been discontinued, AFB accounts could not hold the materials. This in many instances resulted in lost or misused material and complicates the RPO concept of supply of materials to end location. This problem was the subject of correspondence[20]

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19 See Section 10 - C (List)

20 See Section 11 - V (Letter)

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9. Continued

within GEEIA and a topic of the AMC IG Report of May 1960.

The "Shop-Stocks" minor items project as proposed and presented in September 59 is operating in a limited fashion. The number of line items authorized as of 30 June is 87, with an average on hand count of 50%. Popular items have not been adequately programmed and remain in short supply. Installation teams have been furnished listings and appropriate action will be taken in FY 61 to adjust levels to satisfactory amounts and request new items when necessary.

Disaster Stock as listed on CE Scheme 20-F2-VJ74-C9000-001A9K is in storage in approximately 60% of authorization. Shipment of this material is automatic, however, listings have been submitted[21] to provide ROSXD with a status report. Re-engineering of this scheme seems warranted to provide more realistic amounts of materials consistant with expected property damage. This problem was the subject of the AMC IG Report of May 60 and improvement is expected in FY 61.

Personnel authorized and assigned from 1 January through 30 April was static at 19 military and 14 Japanese Nationals. A UMD change dated 1 April deleted authorization of 4 warehousemen, 2 carpenters, 1 transportation clerk (all military), and 3 warehousemen (J/N). The J/N losses were through normal attrition and no re-hire and spaces were subsequently released.

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21 See Section 11 - W (Letter)

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9. Continued

The military losses were without warning and since those personnel remain effectively utilized a request for UMD increase was submitted[22]. The curtailment of contract by Lt R. E. Zeffer in March 1960 permitted his release from active duty. He returned to the United States in March having been replaced by Captain David V. Knight, promoted to Major in June 1960.

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22 See Section 11 - X (Letter)

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11. Continued

F. Memo for Col Bond, 20 Jun 60
Subject: Geographical Responsibilities of the 2875th & 2876th GEEIA Sqs

G. Ltr from Pacific GEEIA Region, 25 Mar 60
Subject: Withdrawal of TMA Authorizations

H. Ltr from 2875th GEEIA Sq, 5 Apr 60
Subject: Withdrawal of TMA Authorizations

I. Ltr from Pacific GEEIA Region, 29 Apr 60
Subject: Withrawal of TMA Spaces

J. Proposed UMD Change from 2875th GEEIA Sq, 7 Jun 60

K. Ltr from 2875th GEEIA Sq, 7 Jun 60
Subject: Retention of Contract Technician Personnel

L. Ltr to 2875th and 2876th GEEIA Sqs, 25 Mar 60
Subject: Installations Policy Between Region and Subordinate Sqs

M. Msg 5-2-E, Pacific GEEIA Region to 2875th & 2876th GEEIA Sqs, 2 Apr 60

N. Ltr from Hq USAF, 19 Nov 59
Subject: Emblem Authorization

O. Ltr from 2875th GEEIA Sq, 18 Feb 60
Subject: Squadron Emblem Contest

P. Proposed Insignia Design, 2875th GEEIA Sq

Q. Ltr from 2875th GEEIA Sq, 8 Apr 60
Subject: Squadron Training Bldg

R. Ltr from ROAMA, 14 Jan 60
Subject: Processing "Project Count" Inventory Listing of CE Material

S. Ltr from 2875th GEEIA Sq, 25 Jan 60
Subject: Project Count

T. Msg 3-549-E, Pacific GEEIA Region to 2875th & 2876th GEEIA Sqs, 25 Mar 60

U. Ltr from 2875th GEEIA Sq, 1 Feb 60
Subject: Scheme Disposition
Ltr from 2875th GEEIA Sq, 1 Feb 60
Subject: CE Scheme Locations

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11. Continued

V. Ltrs from 2875th GEEIA Sq, Pacific GEEIA Region, and ROAMA; between 29 Mar 60 and 2 Jun 60
Subject: Shipment of CE Schemes, Addresses on Material Shipments, & Insured Parcel Post Pkgs

W. Ltr from 2875th GEEIA Sq, 12 May 60
Subject: Disaster Stock Shortages

X. Ltr from 2875th GEEIA Sq, 24 Jun 60
Subject: Request for Increased Manpower

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GLOSSARY

AACS	Airways and Air Communications Services
AF	Air Force
AFB	Air Force Base
AFM	Air Force Manual
AFSC	Air Force Specialty Code
AMC	Air Material Command
CE	Communications - Electronics
CESAC	Communications - Electronics Schemes Accounting Control
CT	Contract Technician
FY	Fiscal Year
GEEIA	Ground Electronics Engineering Installations Agency
IG	Inspector General
J/N	Japanese National
NCO	Non-Commissioned Officer
OIC	Officer-In-Charge
OJT	On The Job Training
"p" Account	Depot Electronic Excess Account
PCS	Permanent Change of Station
R&R	Rest and Recreation
ROAMA	Rome Air Material Area
RPO	Responsible Property Officer
Scheme	Engineering Plans or a Listing of Items Incident to an Engineering Plan
SMAMA	Sacramento Air Material Area
SOI	Squadron Operating Instructions
TDY	Temporary Duty

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GLOSSARY (Cont'd)

TMA	Total Military Authorization
T.O.	Technical Order
TWX	Teletype Transmission
UAL	Unit Authorization List
UMD	Unit Manning Document
USAF	United States Air Force

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SECTION 10 - APPENDIXES

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LIST OF PROJECTS AND MANHOURS SPENT

COMPLETED JOBS

1 Jan 60 thru 30 Jun 60

LOCATION	TYPE OF WORK	MANHOURS
Mineokayama Air Station	Microwave Equip	1077
Kunsan Air Base	Cable Installation	2952
Itazuke Air Base	Antenna Survey	216
Naha Air Base	Repair ILS	480
Kadena Air Base	102A Key System	800
Sakata Air Station	Antenna Rehab	4990
Wajima Air Station	Install AN/TRC-35	624
Okushiri Shima Air Station	Install Selector Identification Feature	1715
Tomari Air Station	Install Selector Identification Feature	1369
Seburiyama Air Station	Install Selector Identification Feature	1540
Tachikawa Air Base	Install GRC-27	536
Ashiya Air Base	Install GRC-27	76
Brady Air Base	TACAN Installation	1538
Kadena Air Base	Install TACAN Monitor	792
Tachikawa Air Base	Install GCA Selector Panel	516
Johnson Air Base	Install GCA Selector Panel	755
Ashiya Air Base	Install GCA Selector Panel	320
Ononiimachi Air Station	Installed AN/TRC-35 Equip	436
Kadena Air Base (Awase)	Antenna Survey	152
Mineokayama Air Station	Cable Repair	402
Mineokayama Air Station	Installed AN/TRC-35 Equip	376
Ashiya Air Base	Antenna Repair	74
Osan Air Base	Relocate Switchboard	1024

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LOCATION	TYPE OF WORK	MANHOURS
Okinawa & Adjacent Sites	Repair TRC-1 System	1392
Tachikawa Air Base	Cable Repair	120
Itazuke Air Base	Install AN/TRC-36 Equip	672
Itazuke Air Base	Install Weather Facility	616
Kunsan Air Base	Cable Installation	195
Itazuke Air Base	Install GMQ-11	336
Kimpo Air Base	Antenna Rehab	648
Kimpo Air Base	Cable Repair	36
Kadena Air Base (Awase)	Plant-in-Place Survey	112
Seburiyama Air Station	Filter Kit Installation	110
Clark Air Base	Tech Assist to 2876th	110
Osan Air Base	Cable Repair	198
Mishima Air Station	Filter Kit Installation	112
Misawa Air Base	Install Wind Indicator	112
Nomaike Air Station	TACAN Installation	2418
Hickam Air Force Base	Teletype Installation	600
Hickam Air Force Base	Antenna Installation	653
Naha Air Base	Plant-in-Place Survey	1114
Kadena Air Base	Plant-in-Place Survey	1039
Hickam Air Force Base	Cable Installation	95
Sakata Air Station	Dismantle Antenna Farm	1096
Kunsan Air Base	Cable Repair	48
Kimpo Air Base	Cable Repair	270
Mishima Air Station	Rehab AN/TRC-1 Equip	480

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LOCATION	TYPE OF WORK	MANHOURS
Kisarazu Air Base	Antenna Survey	144
Misawa Air Base	Antenna Rehab	1624
Iwo Jima Air Station	Removal of CPS-9 Tower	370
Misawa Air Base	Antenna Installation	200
Andersen Air Force Base	102A Key System Installation	161
Misawa Air Base	AN/TRC Equip Survey	80
Iwo Jima Air Base	Relocate Switchboard	368
Kunsan Air Base	Plant-in-Place Survey	1129
Mineokayama Air Station	Antenna Support Repair	280
Naha Air Base	Site Survey	998
Osan Air Base	Relocate Air-Com Net	924
Fuchu Air Base	Realign Microwave Antenna	80
Kunsan Air Base	Cable Repair	48
Misawa Air Base	AN/TRC-24 Survey	120
Itazuke Air Base	Equipment Survey	120
Fuchu Air Base	Teletype Installation	1120
Misawa Air Base	Install TACAN Monitor	432
Miho Air Base	Install TACAN Monitor	86
Komaki Air Base	Install TACAN Monitor	280
Hickam Air Force Base	Teletype Installation	840
Mineokayama Air Station	Install GTA-4	288
Tsutsu Air Station	AN/TRC-36 Survey	64
Naha Air Base	Teletype Installation	152
Kadena Air Base	TACAN Relocation	430
Misawa Air Base	AN/TRC-36 Installation	110

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LOCATION	TYPE OF WORK	MANHOURS
Tomari Air Station	AN/TRC-36 Installation	110
Asoiwayama Air Station	AN/TRC-36 Installation	110
Hickam Air Force Base	Cable & Frame Installation	194
Sasayama	Antenna Installation	302
Facific Area	Project Count	5,750
Wash. Hts Housing Area	Install FRC-37 Equip	48

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INCOMPLETE JOBS

LOCATION	TYPE OF WORK	MANHOURS
Kimpo Air Base	Cable Installation	704
Takao Yama Air Station	Antenna Installation	374
Atsumi Air Station	Install AN/TRC-30 Equip	2744
Mineokayama Air Station	Install Selector Indentification Feature	2177
Sado Shima Air Station	Install AN/TRC-35 Equip	1200
Johnson Air Base	Install AN/TRC-35 Equip	392
Iwo Jima Air Station	TACAN Installation	2744
Yokote Yama Relay Site	Install AN/TRC-36 Equip	240
Naha Air Base	Install TACAN Monitors	256
Sado Shima Air Station	Cable Installation	528
Itazuke Air Base	Install AN/TRC-35 Equip	392
Hickam Air Force Base	Cable Installation	224
Shimo Koshiki Shima AS	Install AN/TRC-35 Equip	387
Takahatayama Air Station	Install AN/TRC-35 Equip	387
Chiran Relay Site	Install AN/TRC-35 Equip	387
Wakkanai Air Station	Repair RG Cable	128
Tomari Air Station	Cable Installation	144
Yokota Air Base	Install ILS	192
Misawa Air Base	Install ILS	80
Kimpo Air Base	Install GRC-27	392
Yokota Air Base	Install GMQ-11	172
Funabashi Transmitter Site	Relocate Transmitters	1792
Funabashi Transmitter Site	Relocate Transmission Lines	3184
Misawa Air Base	Install Teleautograph	1000
Wakkanai Air Station	Tower & Antenna Installation	856

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LOCATION	TYPE OF WORK	MANHOURS
Iwo Jima Air Station	Antenna Rehab	240
Tachikawa Air Base	Teletype Installation	680
Itazuke Air Base	Install Teleautograph	320
Sasayama Relay Site	Install Antennas	256
Osan Air Base	Install GCA Selector Panel	867
Yokota Air Base	Install GMQ-11	86
Kadena Air Base (Awase)	Typhoonize Antenna Farm	2840
Yokosuka NB	Removal of CPS-9	240
Kangnung Air Base	Install TACAN Facility	289
Tachikawa Air Base	Teletype Installation	144
Paengnyong Do Air Station	Install TRN-6 Equip	290
	GRAND TOTAL	79,632

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B

STOCK NUMBER	NOMENCLATURE	QUANTITY
3950-329-3308	Hoist Chain 1½ ton	8 ea
3950-329-3309	Hoist Puller	3 ea
5120-223-1957	Vise	4 ea
6230-234-6312	Light Extension 100'	5 ea
5120-223-7020	Grip, Wire	4 ea
5120-223-7021	Grip, Wire	16 ea
5120-595-9074	Handle, Socket Wrench	1 ea
5120-221-7945	Handle, Socket Wrench	9 ea
3432-640-2773	Placer, Paddering	2 ea
5805-162-6251	Telephone EE-8	9 ea
5120-293-1439	Vise	3 ea
3990-245-1744	Bender Pole	10 ea
5120-223-8564	Auger	10 ea
4930-200-1842	Pump, Lubricating	2 ea
5120-318-9965	Hook, Carrying	10 ea
4030-378-3574	Hook, Carrying	12 ea
3895-252-6796	Reeling Machine	5 ea
3B345-100.1	Cable Assy	16 ea
5130-596-0424	Drill, Pneumatic	5 ea
3540-026-9206	Reel, Floor	2 ea
6H3038	Reel, RL-38	3 ea
5440-209-5077	Stepladder 10'	5 ea
3950-329-3308	Hoist Chain	10 ea

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STOCK NUMBER	NOMENCLATURE	QUANTITY
5120-537-8705	Tool, Conduit	3 ea
5120-596-1588	Tape, Fish	17 ea
5120-293-1439	Vise	1 ea
5120-260-0003	Vise	2 ea
5120-203-9640	Windshield	30 ea
3895-202-0071	Reel	1 ea
4310-547-3741	Compressor	1 ea
4030-370-3574	Carrying Hook	9 ea
5120-251-7574	Cant Hook	4 ea
6230-548-0629	Light Flood	7 ea
4040-277-0587	Car, Aerial Cable	16 ea
5120-595-8381	Pole, Jack	7 ea
5120-322-6220	Jack	6 ea

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HAND TOOLS - 0390
LCL's 13601, 13002, 15502, 15601

Stock Nr	Noun	Qty Required	Unit Cost	Total Cost
3422-618-6624	Soldering Iron	9	2.00E	18.00
4240-203-3805	Belt, Safety Industrial	96	6.40	610.40
4240-203-3825	Strap, Safety	96	6.95	667.20
4240-273-9668	Climbers set tree & pole	96	18.00E	1,728.00E
4240-641-4401	Climbers strap set	96	5.06	175.76
5110-293-1958	Brace	56	5.97	334.32
5110-396-1030	AX, Single Bit	56	2.68	150.48
5110-273-0128	Shears	2	2.28E	4.56
5110-180-0661	Shears	2	1.45	2.90
5110-186-8157	Chisel	4	1.30	5.20
5110-289-9657	Prone	47	1.05	43.35
5110-234-1944	Chisel	4	.49	1.87
5110-234-6550	File	60	.29	17.40
5110-234-6551	File	6	.29E	1.74
5110-240-7070	Knife	2	.30	.60
5110-240-7519	Holder	46	2.40	110.40
5110-186-8161	Chisel	6	1.47	8.82
5110-241-9135	File	60	.34	20.40
5110-241-9153	File	65	.59	38.35
5110-249-2849	File	4	.45	1.80
5110-255-0420	Scissors	66	.70	46.20
5110-249-2850	File	6	.57	3.42
5110-263-0341	Handle	46	.15	6.90
5110-263-0342	Handle	6	.09	.54
5110-263-0349	Handle	70	.11	7.70
5110-268-4224	Stripper	6	2.43	14.58
5110-277-4587	Blade, Hacksaw	40	1.21	48.40
5110-277-4588	Blade, Hacksaw	40	1.21	48.40
5110-277-4589	Blade, Hacksaw	40	1.21	48.40
5110-293-0239	Saw, Keyhole	34	.30	10.20
5110-293-1197	Drill	46	.74	34.04
5110-293-1198	Drill	56	.85	47.60
5110-293-1202	Drill	37	.81	29.97
5110-595-0295	File	6	.07	.42
5110-596-9842	Stripper, Cable	57	44.68	2,546.76
5120-180-0550	Screwdriver	24	.13	3.12
5120-237-8174	Screwdriver	6	.46	2.76
5120-255-1096	Screwdriver	70	1.50	105.00
5120-180-2950	Finger, Mechanical	4	.69	2.76
5120-181-6794	Socket, Socket Wrench	4	1.40	5.60
5120-184-8602	Wrench	4	.31	1.21
5120-224-3146	Wrench	4	.46E	1.84
5120-293-0081	Wrench	4	.59	2.36
5120-222-1592	Wrench	4	.91	3.61
5120-204-2670	Wrench	4	1.10	4.40
5120-184-8675	Wrench	4	1.10E	4.40
5120-187-1015	Hammer	10	1.04	10.40
5120-187-1049	Hammer	46	1.69	77.74

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Stock Nr	Noun	Qty Required	Unit Cost	Total Cost
5120-187-7133	Wrench	4	1.46	5.84
5120-187-7134	Wrench	4	1.56	6.24
5120-189-7913	Socket, Socket Wrench	4	.38	1.52
5120-189-7914	Socket, Socket Wrench	4	.43	1.72
5120-189-7917	Socket, Socket Wrench	4	.53	2.12
5120-189-7924	Socket, Socket Wrench	4	.23	.92
5120-189-7924	Socket, Socket Wrench	4	.32	1.28
5120-189-7932	Socket, Socket Wrench	2	.24	.48
5120-189-7933	Socket, Socket Wrench	2	.30	.60
5120-189-7934	Socket, Socket Wrench	2	.30	.60
5120-189-7935	Socket, Socket Wrench	2	.31	.62
5120-189-7946	Socket, Socket Wrench	2	.25	.50
5120-189-7955	Socket, Socket Wrench	2	.28	.56
5120-203-6663	Wrench	5	1.00E	5.00
5120-221-1536	Knife, Putty	4	.32	1.28
5120-223-7997	Pliers	4	.74	2.96
5120-223-9124	Hammer	60	1.07	64.20
5120-224-1389	Bar	2	1.02	2.04
5120-224-4047	Hammer	5	1.18	5.90
5120-224-9215	Universal	2	.78	1.56
5120-224-9219	Adapter	2	.21	.42
5120-227-6702	Socket	2	.20	.40
5120-227-6703	Socket	2	.20	.40
5120-227-6704	Socket	2	.20	.40
5120-227-6705	Socket	2	.20	.40
5120-227-7293	Screwdriver	2	.22	.44
5120-227-7377	Screwdriver	2	.09	.18
5120-230-6364	Handle	2	2.30	4.60
5120-232-6706	Socket	2	.22	.44
5120-235-5070	Socket	2	.26	.52
5120-235-5098	Socket	2	.43	.86
5120-236-2127	Screwdriver	70	.14	10.64
5120-236-2128	Screwdriver	5	.28	1.40
5120-236-7990	Handle	2	1.69	3.38
5120-237-0977	Socket	2	.20	.40
5120-237-0978	Socket	2	.76	1.52
5120-237-0982	Socket	2	.23	.46
5120-237-0984	Socket	3	.24	.72
5120-237-4069	Handle	2	.87	1.74
5120-237-4074	Socket	2	.78	1.56
5120-237-4085	Screwdriver	6	.48	2.88
5120-239-0250	Pliers	2	1.03	2.06
5120-240-1532	Extension	2	.60	1.20
5120-240-5277	Key	2	.20	.40
5120-240-5328	Wrench	57	1.05	59.85
5120-240-5364	Handle	2	1.49	2.98
5120-240-5396	Handle	2	1.50E	3.00
5120-240-6702	Adapter	2	.34	.68
5120-240-6703	Adapter	2	.27	.54
5120-241-3142	Handle	2	1.02	2.04
5120-241-3143	Handle	2	.71	1.42
5120-241-3256	Handle	2	.51	1.02

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Stock Nr	Nom	Qty Required	Unit Cost	Total Cost
5120-242-3349	Socket	2	.51	1.02
5120-242-3354	Socket	2	.76	1.52
5120-242-3355	Socket	2	.76	1.52
5120-242-3433	Punch	2	.13	.26
5120-242-3913	Hammer	2	.75	1.50
5120-242-3917	Hammer	2	.89	1.78
5120-243-1689	Extension	2	.41	.82
5120-243-1690	Extension	2	.47	.94
5120-243-1692	Extension	2	.45	.90
5120-243-7326	Extension	3	.53	1.59
5120-243-7340	Socket	2	.68	1.36
5120-243-7342	Socket	3	.58	1.74
5120-243-7343	Socket	2	.63	1.26
5120-243-7345	Socket	3	.53	1.59
5120-243-7346	Socket	3	.43	1.29
5120-243-7347	Socket	2	.43	.86
5120-243-7351	Socket	2	.43	.86
5120-243-9420	Pliers, 2" Lineman	50	1.80	90.00
5120-263-4656	Hammer	55	1.28	70.40
5120-264-3795	Wrench	7	.92	6.24
5120-269-7971	Universal Joint	3	1.05	3.15
5120-222-4284	Extractor	2	.42	.84
5120-273-9203	Extension	2	.41	.82
5120-277-1435	Wrench	2	1.53	3.06
5120-277-1436	Wrench	4	2.08	8.32
5120-277-2307	Wrench	2	.32	.64
5120-277-2317	Wrench	2	.62	1.24
5120-277-2317	Wrench	2	.62	1.24
5120-278-9326	Screw Starter	3	.99	2.97
5120-554-9977	Screwdriver	2	.23	.46
5120-596-9307	Screwdriver Off-Set	2	.23	.46
5120-287-2130	Screwdriver	2	.23	.46
5120-287-4678	Tape, Fish	60	5.00	300.00
5120-288-6514	Handle	2	1.00E	2.00
5120-288-9711	Pliers	10	1.18	11.80
5120-293-1565	Screwdriver	10	.17	1.70
5120-293-2884	Tacker	30	18.75	562.50
5120-308-3800	Scabbard	55	1.50E	82.50
5120-333-0120	Bar Magnet	2	2.50E	5.00
5120-408-1746	Squdger	2	1.00E	2.00
5120-494-1910	Wrench	5	1.07	5.35
5120-516-3023	Extension	3	1.50E	4.50
5120-528-2731	Screwdriver	2.	.71	1.42
5120-555-2088	Screwdriver	66	.80E	52.80
5120-555-2089	Pliers, 10"	52	2.00E	104.00
5120-595-9526	Pliers	2	1.22	2.44
5120-618-6902	Mirror	4	1.50	6.00
5130-204-2691	Drill	60	3.05	183.00
5133-224-4565	Bit	20	1.30	26.00
5133-227-3658	Drill	2	2.98	5.96
5133-293-2322	Bit	20	1.09	71.80

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Stock Nr	Noun	Qty Required	Unit Cost	Total Cost
5133-293-2096	Bit	2	.57	1.14
5133-293-2900	Bit	2	.53	1.06
5140-341-0863	Case	3	2.75E	8.25
5140-490-3035	Chest	2	6.50E	13.00
5210-293-3014	Rule	3	.62	1.86
5210-501-6280	Rule	60	4.75	285.00
5210-516-4075	Scure, Comb	4	8.00E	32.00
5345-161-9695	Stone, Sharpening	60	1.10	66.00
5345-223-9722	Stone	6	1.10E	6.60
5345-247-5940	Stone	6	1.50E	9.00
7920-285-7647	Brush	60	.29	23.40
7920-223-7650	Brush	4	.30E	1.20
7920-634-3003	Brush	4	2.50E	10.00
8020-638-0129	Brush	4	3.00E	12.00
0415-292-2095	Helmet Construction	15	2.30	34.50
0415-292-2094	Helmet Construction	15	2.30	34.50

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UAL EQUIPMENT - 0931
ECL's 667, 714, 717, 041

Stock Nr	Noun	Qty Req	Unit Cost	Total Cost
5120-408-0524-0	Cable Bender	17	47.80	812.60
5130-293-1049	Drill Elec	1	26.75	26.75
5133-220-1403	Drill Twist	1	12.76	12.76
N-5995-604-0862	Cable Splicer Kit	1	1.760.00	1,760.00

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SECTION 11 - SUPPORTING DOCUMENTS

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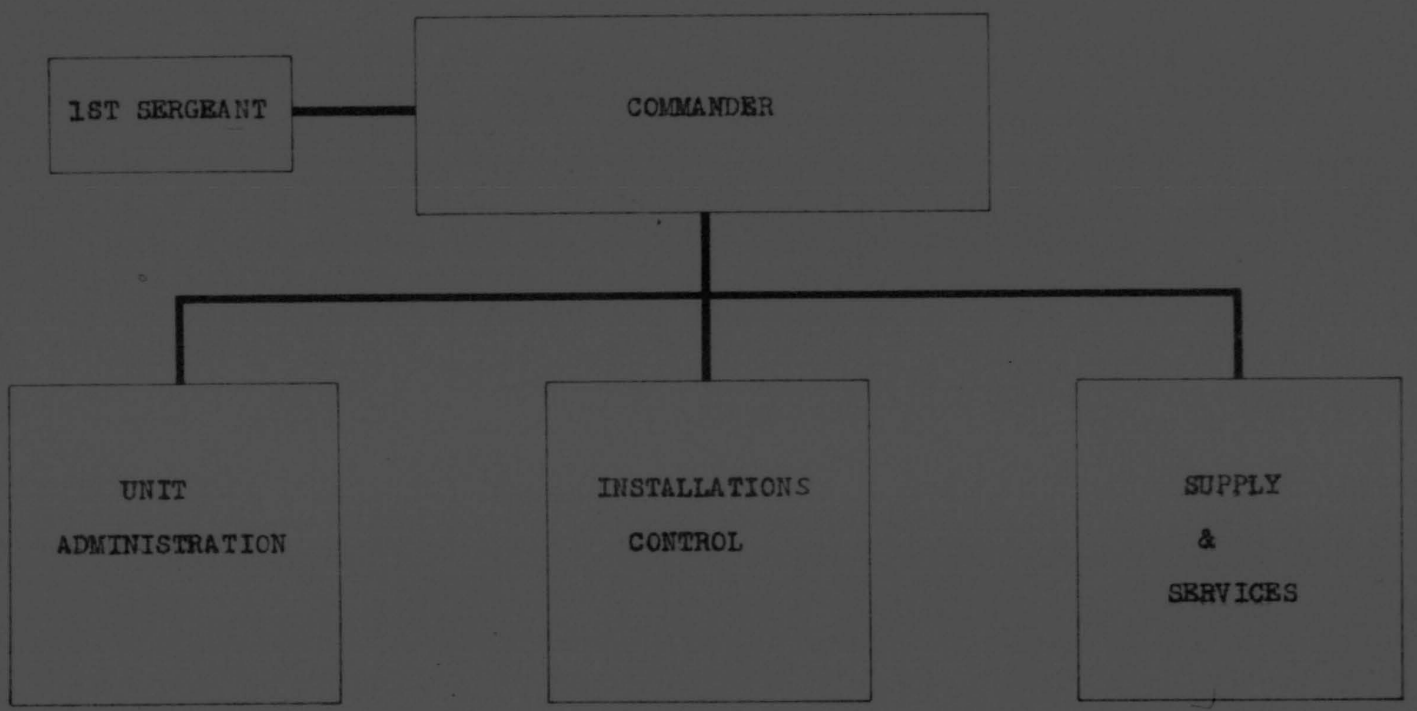
ORGANIZATIONAL CHART
2875th GEEIA SQUADRON



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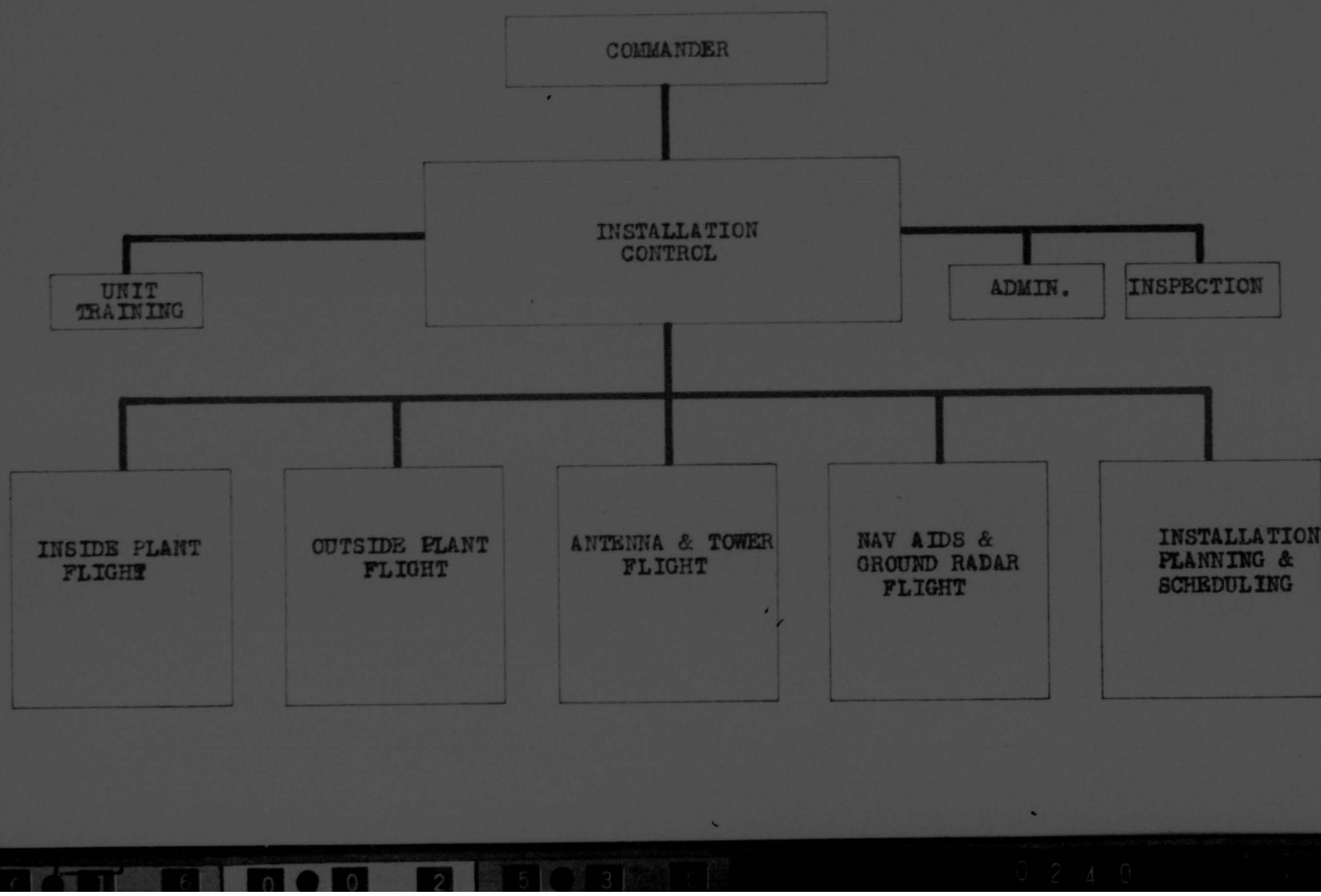
ORGANIZATI. .L CHART
2875th GEEIA SQUADRON



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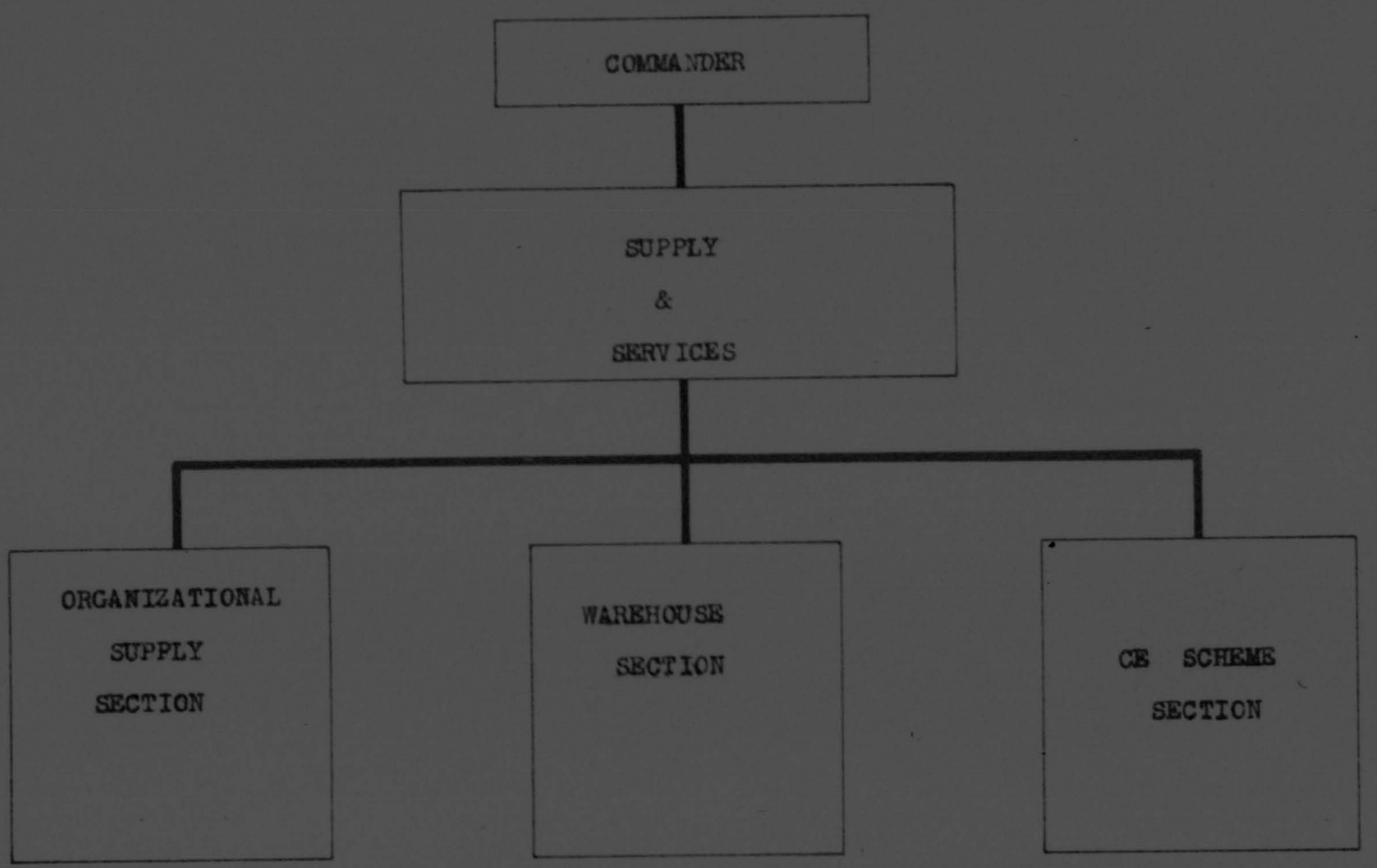
2875th GEEIA SQUADRON



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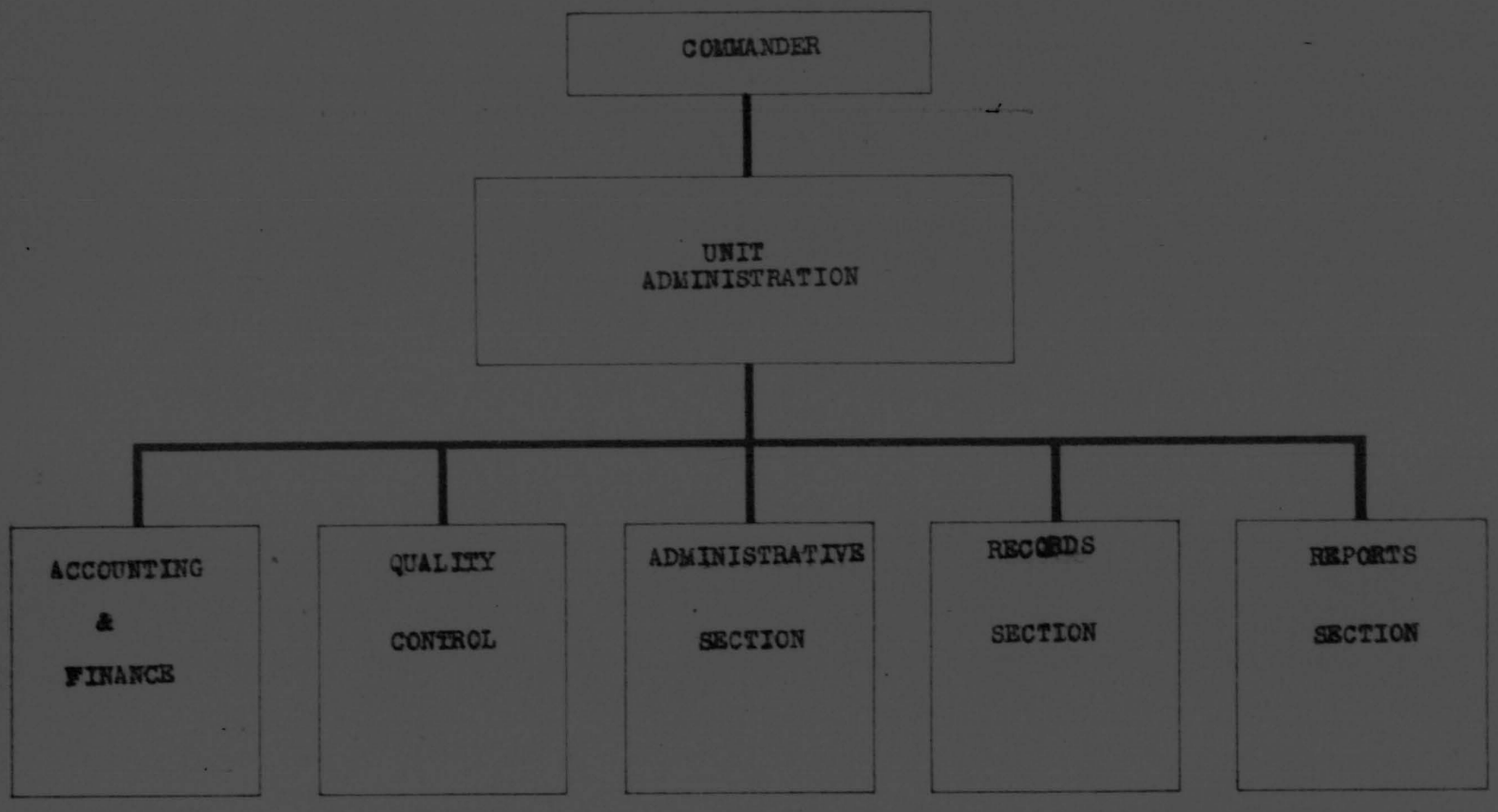
ORGANIZATION CHART
2875th GEEIA SQUADRON



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2875th GEEIA SQUADRON (AMC)
UNITED STATES AIR FORCE
APO 323, San Francisco, California

ROSTER OF KEY PERSONNEL — As of 30 June 1960

NAME	GRADE	DUTY ASSIGNMENT	DATE ASSIGNED
CHARLES L. GALBRAITH	MAJOR	Commander	1 Jan 1959
DAVID V. KNIGHT	MAJOR	Chief, Supply and Services	27 Jan 1960
WAYNE R. SMITH	CAPTAIN	Chief, Installations Control	1 May 1960
ALVIN G. MORELAND	CAPTAIN	Chief, Administrative Services	1 Feb 1960
EDWARD S. JOHNSON	MSGT	First Sergeant	19 Jan 1960

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HEADQUARTERS
PACIFIC GROUND ELECTRONICS ENGINEERING INSTALLATION AGENCY REGION (AMC)
UNITED STATES AIR FORCE
APO 323, San Francisco, California

REPLY TO
ATTN OF: ZPI/Maj Yazak/28867

20 June 1960

SUBJECT: Geographical Responsibilities of the 2875th and 2876th GEEIA Squadrons

MEMO FOR COLONEL BOND

1. The following personnel of the squadrons and Pacific GEEIA Region met jointly at 0800 hours, 20 June 1960, to discuss geographical limits:

Maj Yazak, Pacific GEEIA Region (ZPI)
CWO Gordon, Pacific GEEIA Region (ZPIQ)
Maj Mazzolla, Commander, 2876th GEEIA Sq
Capt Lavigne, Chief, Installations Control, 2876th
Maj Galbraith, Commander, 2875th GEEIA Sq
Capt Smith, Chief, Installations Control, 2875th

2. It has been the policy of Pacific GEEIA Region to make no distinction between its two squadrons as to definite zones of prime responsibility within the Pacific Theatre. Based upon strength and availability reports submitted by the squadrons, Pacific GEEIA Region attempts to distrubute the installation workload evenly between its subordinate units.

3. In most cases the above policy has proven effective but there have been instances where the two squadrons are deployed to service the same customer; this policy leaves considerable doubt and uncertainity in the minds of our customers. In our contact with operating units, they have expressed concern over this matter and unfortunately, we have not been able to explain the merits of the present system. In fact, we feel that it is far more advantageous to have responsible areas clearly defined and allocated to specific units.

4. In general both squadrons under Pacific GEEIA Region have identical missions and skills. It appears that the major work areas in the Pacific could be evenly distributed. Should the 2876th GEEIA Squadron's proposal for the placement of small but fully equipped Operating Locations on major islands (submitted under separate correspondence) and another proposal for the storage of C-E supplies and the placement of RPO representatives at these locations be accepted by Pacific GEEIA Region, the specific areas of responsibility will necessarily have to be allocated to the two squadrons in order to successfully accomplish the mission.

5. With each squadron having its own installation area, workload forecast and manpower availability could be more clearly defined. Should the existing or forecasted workload exceed a squadron's capability,

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outside personnel could be brought into a squadron's area on an "assist" basis and the responsible squadron would continue in the role of "gaining" unit.

6. Typhoon restoration usually requires the services of both squadrons and in most cases the maintenance capability of operating commands. Even under these conditions, only one squadron should have prime responsibility for the effected island.

7. Supply responsibilities for disaster stock would be provided by the squadron responsible for the area effected.

RECOMMENDATIONS:

1. The 2875th and 2876th GEEIA Squadrons be assigned a definite geographical area to be effective 1 July 1960.

2. The area of the 2875th GEEIA Squadron will be Japan, Korea, Iwo Jima, Hawaiian Islands, Johnson Island and the Marshall Islands. The 2876th GEEIA Squadron geographical area to include Okinawa Island complex, Taiwan, Phillipine Islands, Guam and the areas of the southeast MAP countries.

DEAN D. YAZAK, Major, USAF
Director, ZPT
Chairman

JOHN T. MAZZOLLA, Major, USAF
Commander, 2876th GEEIA Sq

CHARLES L. GALBRAITH, Major, USAF
Commander, 2875th GEEIA Sq

A TRUE COPY:
Joel H. Fenster
JOEL H. FENSTER, 2/Lt, USAF
Certifying Officer

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HEADQUARTERS
PACIFIC GROUND ELECTRONICS ENGINEERING INSTALLATION AGENCY REGION (AMC)
UNITED STATES AOR FORCE
APO 323, SAN FRANCISCO, CALIFORNIA

REPLY TO
ATTN OF: ZPAP

25 March 1960

SUBJECT: Withdrawal of TMA Authorizations

TO: 2875 GEEIA Sq (ZPTA) 2876 GEEIA Sq (ZPPA)

1. Request that one Technical Sergeant and one Staff Sergeant authorization be selected from your Unit Manning Document for transfer to this Region.

2. Request you identify the line item by using columns A, B, D, G, H, K, P, Q, R, S, T, U, V, W and X of the Unit Manning Document.

3. Selected line itmes will be forwarded so as to arrive this Headquarters not later than 6 April 1960.

FOR THE COMMANDER:

RUSSELL J. SCHUENKE
Captain, USAF
Chief, Personnel &
Administrative Services

A TRUE COPY:
Joel H. Fenster
JOEL H. FENSTER, 2/Lt, USAF
Certifying Officer

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H

2875th GEEIA Squadron
Pacific GEEIA Region (AMC)
UNITED STATES AIR FORCE
APO 323, San Francisco, California

REPLY TO
ATTN OF: 2PTA/MSgt Proligh/20097 5 Apr 1960

SUBJECT: Withdrawal of TMA Authorizations

TO: PACGER (2PAP)

1. In accordance with your letter, subject as above, 25 Mar 1960, the following information is furnished:

a. Technical Sergeant: CCL A: PTIC; CCL B: 2875R404095; CCL D: Cable Splicing Tech; CCL G: TSC; CCL H: 6; CCL K: 56171; CCL P: 8; CCL Q: 8; CCL R: 8; CCL S: 8; CCL T: 8; CCL T: 8; CCL U: 8; CCL V: 8; CCL V: 8; CCL X: 46400.

b. Staff Sergeant: CCL A: PTI; CCL B: 2875R404095; CCL D: Education Ser Specl; CCL G: SSG; CCL H: 5; CCL K: 75150; CCL P: 1; CCL Q: 1; CCL R: 1; CCL S: 1; CCL T: 1; CCL T: 1; CCL U: 1; CCL V: 1; CCL W: 1; CCL X: 11000.

2. Authority is granted to withdraw one Technical Sergeant and one Staff Sergeant position referred to in paragraph 1 above.

3. No TMD change request will be submitted to reflect the above changes by this unit. Request we be advised of the Quarter and Year these changes will be effected.

FOR THE COMMANDER:

ALVIN G. NORLAND, Captain, USAF
Chief, Administrative Services

A TRUE COPY:
Joel H. Fenster
JOEL H. FENSTER, 2/Lt, USAF
Certifying Officer

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HEADQUARTERS
PACIFIC GROUND ELECTRONICS ENGINEERING INSTALLATION AGENCY REGION (AIC)
UNITED STATES AIR FORCE
APO 323, San Francisco, California

REPLY TO
ATTN OF: MPAM

29 Apr 1960

SUBJECT: Withdrawal of T/A Spaces

TO: 2075 GEEIA Sq (MPTA)

1. Your attention is invited to UMD Change #5, dated 31 March 1960 received at this Region from Hq GEEIA on 26 April 1960.

2. The attached UMD withdrawal reflects a loss of 17 spaces from your current Unit Manning Document.

3. These spaces were a mandatory reduction imposed on Hq GEEIA by ROAMA and due to the short suspense date Hq GEEIA determined which line items would be withdrawn.

4. Since the above spaces have been withdrawn by Hq GEEIA, it will require that your organization reaccomplish your UMD Change #1 attached.

5. Line item 15 of Page 1 of UMD Change #1 is not affected by the deletion of spaces as referenced in paragraph 2 above. These spaces have been added to the UMD for this headquarters.

FOR THE COMMANDER:

ROBERT T. STARRON
1st Lt, USAF
Asst Chief, Personnel &
Administrative Services

2 Atch
a/s

A TRUE COPY:
Joel H. Fenster
JOEL H. FENSTER, 2/Lt, USAF
Certifying Officer

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UNIT MANNING DOCUMENT CHANGE REQUEST

TO: GEEIA [ROZAF], GRIFFISS AFB, NEW YORK

THRU: PACGER

FROM: Hq GEEIA (ROZAF)

1. CHANGE NO: TO UMD AS OF

2. DATE: 31 March 1960

3. PAGE 1 OF 1 PAGES

4. ACTION	5. OFFICE CODE	6. FUNCTION CODE	7. FUNCTION TITLE AND POSITION DESCRIPTION	8. SUF/PREFIX IDENT	9. GRADE	10. MGT IDENT CODE	11. CIV CAT	12. AFSC	13. FISCAL QUARTER 4/60	1/61	2/61	3/61	4/61	4/62	4/63
D	PTS	04000	SUPPLY SUPT		SMS			64790	1	1	1	1	1	1	1
D	PTS	04000	WAREHOUSING SUPT		MSG			64770	1	1	1	1	1	1	1
D	PTS	04000	GND CON EQ MAI TEC/L		TSG			30472	1	1	1	1	1	1	1
D	PTIE	46400	ELECT POWER PROD MP		SSG			53751	1	1	1	1	1	1	1
D	PTIE	46400	ELECTRICIAN		SSG			56150	1	1	1	1	1	1	1
D	PTIE	46400	ELECTRICIAN		A1C			56130	1	1	1	1	1	1	1
D	PTIE	46400	ELECT POWER PROD MP		A1C			56751	1	1	1	1	1	1	1
D	PTS	04000	ORGN SUPPLY SUPT		A1C			64630	1	1	1	1	1	1	1
D	PTS	04000	APR WOODWORKER		A2C			55230	1	1	1	1	1	1	1
D	PTS	04000	APR WAREHOUSING SPECL		A2C			64730	5	5	5	5	5	5	5
D	PTS	04000	APR ORGN SUPPLY SPECL		A2C			64630	1	1	1	1	1	1	1
D	PTS	04000	WOODWORKER		SSG			55250	1	1	1	1	1	1	1
			Reductive imposed by ROAFA INT, RO-15, supplementary, Ltr, 25 March 1960												
D	PTS	04000	FREIGHT TRAF SPECL		SSG			60251	1	1	1	1	1	1	1

GEEIA FORM SEP 58 53 (TEMPORARY)

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ITEM NUMBER OR ELEMENT	COMPLETION INSTRUCTIONS
THRU	Submit request through the channels specified in letter, this Headquarters, 9 Oct 59, Subj: Processing Unit Manning Documents.
FROM	Enter the organizational nomenclature of the unit affected by the change request.
1.	Enter the number of the change beginning with "1" and the as of date of the UMD to which the change applies. Change numbers will run numerically, e.g., 1, 2, 3, 4, etc, and a new series will begin each time a new UMD is received.
2.	Date of preparation.
3.	Self-explanatory.
4.	Reflect "D" for delete and "A" for add. Complete all columns for both actions. (When you desire to change an existing line item, delete the entire line item and add the line item as you wish it to appear.)
5.	Identify the organizational element in which the change is desired, e.g., Pers Div, ROZAF, etc.
6.	Enter the functional code to which the position is charged (ref AFM 20-3).
7.	For military, enter the title as specified in AFM 35-1 or 36-1 as appropriate. For civilians, enter the title as specified in the Civilian Personnel Position Master File.
8.	Supervisory positions will be identified in the UMD with an "S" in accordance with paragraphs 3a and 3b, AMC Sup-1 to AFR 26-4.
9.	Enter military or civilian grade as appropriate (TSG, LTC, GO2, WL5, or FN for Foreign Nationals).
10.	For identified management positions, enter "X" for military and "Y" for civilians. To provide greater uniformity in the identification of management positions, positions below the grade of Captain or GS-11 will not be considered management positions (ref AFR 30-22).
11.	Enter "C" for graded, "B" for wageboard. For foreign nationals, enter the appropriate object class, i.e., 01 for direct hire personnel or 07 for contract services personnel.
12.	Enter the Air Force Specialty Code for the position (AFM 35-1 and 36-1).
13.	The first four columns will reflect the next four fiscal quarters succeeding the quarter in which the change is prepared. Example: If the change is being prepared in FY 2/60, the entries in the first four columns will be 3/60, 4/60, 1/61 and 2/61. The last three columns will reflect the succeeding end-year positions. In the above instance, these would be 4/61, 4/62 and 4/63.
NOTE:	Two spaces below the last line entry, enter the justification/explanation of the desired changes. Following this, enter the signature and typed signature element of the approving authority.

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UNIT MANNING DOCUMENT CHANGE REQUEST

TO: GEEIA (ROZAF), GRIFFISS AFB, NEW YORK | THRU: PACGER APO 323 | FROM: 2875 GEEIA Sq APO 323

1 CHANGE NO 1 TO UMD AS OF 1 Apr 60 | 2 DATE 7 June 1960 | 3 PAGE 1 OF PAGES

4 ACTION	5 OFFICE CODE	6 FUNCTION CODE	7 FUNCTION TITLE AND POSITION DESCRIPTION	8 SUFFIX IDENT	9 GRADE	10 MGT IDENT CODE	11 CIV CAT	12 AFSC	13 FISCAL QUARTER 1/61	2/61	3/61	4/61	4/62	4/63	4/64
D	PTA	03000	ADMINISTRATIVE CLERK (APR)		A2C			70230	2	2	2				
A	PTA	03000	ADMINISTRATIVE CLERK		A2C			70250				2	2	2	2
D	PTA	03000	APR PERSONNEL SPECL		A2C			73230	1	1	1				
A	PTA	03000	PERSONNEL SPECIALIST		A2C			73250				1	1	1	1
D	PTI	46400	ADMIN CLK		FN		07	70250	1	1	1				
A	PTA	03000	ADMIN CLK		FN		07	70250				1	1	1	1
D	PTS	04000	APR AUTO RPMN		A2C			47131	1	1	1				
A	PTS	04000	WAREHOUSE SPECL		A2C			64750				1	1	1	1
D	PTS	04000	AUTOMOTIVE RPMN		SSG			47151	1	1	1				
A	PTS	04000	ADMIN CLK		SSG			70250				1	1	1	1
D	PTS	04000	APR ORGN SUPPLY SPEC		A2C			64630	2	2	2				
A	PTS	04000	ORGN SUPPLY SPECL		A2C			64650				2	2	2	2
D	PTS	04000	GD COM EQ RP/H		FN		07	30453	1	1	1				
A	PTI	46400	DRAFTSMAN		FN		07	22350				1	1	1	1
D	PTI	46400	GND RADIO MAINT SUPT		SMS			30490	0	1	1				
A	PTI	46400	GND RADAR SUPT		SMS			30390				1	1	1	1
D	PTI	46400	DRAFTSMAN		A1C			22350	1	1	1				

GEEIA FORM SEP 59 (TEMPORARY)

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ITEM NUMBER OR ELEMENT — COMPLETION INSTRUCTIONS

THRU — Submit request through the channels specified in letter, this Headquarters, 9 Oct 59, Subj: Processing Unit Manning Documents.

FROM — Enter the organizational nomenclature of the unit affected by the change request.

1. Enter the number of the change beginning with "1" and the as of date of the UMD to which the change applies. Change numbers will run numerically, e.g., 1, 2, 3, 4, etc, and a new series will begin each time a new UMD is received.

2. Date of preparation.

3. Self-explanatory.

4. Reflect "D" for delete and "A" for add. Complete all columns for both actions. (When you desire to change an existing line item, delete the entire line item and add the line item as you wish it to appear.)

5. Identify the organizational element in which the change is desired, e.g., Pers Div, ROZAF, etc.

6. Enter the functional code to which the position is charged (ref AFM 20-3).

7. For military, enter the title as specified in AFM 35-1 or 36-1 as appropriate. For civilians, enter the title as specified in the Civilian Personnel Position Master File.

8. Supervisory positions will be identified in the UMD with an "S" in accordance with paragraphs 3a and 3b, AMC Sup-1 to AFR 26-4.

9. Enter military or civilian grade as appropriate (TSG, LTC, GO2, WI5, or FN for Foreign Nationals).

10. For identified management positions, enter "X" for military and "Y" for civilians. To provide greater uniformity in the identification of management positions, positions below the grade of Captain or GS-11 will not be considered management positions (ref AFR 30-22).

11. Enter "C" for graded, "B" for wageboard. For foreign nationals, enter the appropriate object class, i.e., 01 for direct hire personnel or 07 for contract services personnel.

12. Enter the Air Force Specialty Code for the position (AFM 35-1 and 36-1).

13. The first four columns will reflect the next four fiscal quarters succeeding the quarter in which the change is prepared. Example: If the change is being prepared in FY 2/60, the entries in the first four columns will be 3/60, 4/60, 1/61 and 2/61. The last three columns will reflect the succeeding end-year positions. In the above instance, these would be 4/61, 4/62 and 4/63.

NOTE: Two spaces below the last line entry, enter the justification/explanation of the desired changes. Following this, enter the signature and typed signature element of the approving authority.

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UNIT MANNING DOCUMENT CHANGE REQUEST

TO: GEE A (ROZAF), GRIFFISS AFB, NEW YORK

THRU: PACGER APO 323

FROM: 2875th GEEIA Sq APO 323

1. CHANGE NO 1 TO UMD AS OF 1 Apr 1960

2. DATE 7 June 1960

3. PAGE 2 OF PAGES

4. ACTION	5. OFFICE CODE	6. FUNCTION CODE	7. FUNCTION TITLE AND POSITION DESCRIPTION	8. SUFFIX IDENT	9. GRADE	10. MOS IDENT CODE	11. CIV CAT	12. AFSC	13. FISCAL QUARTER 1/61	2/61	3/61	4/61	4/62	4/63	4/64
A	PTIB	46400	FLT FAC EQUIP RPMN		A1C			30451				1	1	1	1
D	PTIA	46400	APR AIR TRAC RDR RP		A2C			30331	1	1	1				
A	PTIA	46400	AIR TRA CON RDR RPMN		A2C			30351				1	1	1	1
D	PTIA	46400	APR AC&W RADAR RPMN		A2C			30332	1	1	1				
A	PTIA	46400	ACFT CON/WNG RDR RPM		A2C			30352				1	1	1	1
D	PTIB	46400	APR FLT FAC EQP RPMN		A2C			30431	4	4	4				
A	PTIB	46400	FLT FAC EQUIP RPMN		A2C			30451				4	4	4	4
D	PTIB	46400	APR GND COM DQP RP/L		A2C			30432	1	1	1				
A	PTIB	46400	GND COMM EQP RPM/L		A2C			30452				1	1	1	1
D	PTIB	46400	APR GND COM EQP RP/H		A2C			30433	2	2	2				
A	PTIB	46400	GND COMM EQP RPM/H		A2C			30453				2	2	2	2
D	PTIB	46400	APR RAD MCW/ARC EQ		A2C			30430A	1	1	1				
A	PTIB	46400	RADRLY MCW/ARC EQ RP		A2C			30450A				1	1	1	1
D	PTIB	46400	APR RAD CAR/ANT EQ		A2C			30430B	1	1	1				
A	PTIB	46400	RADLY CAR/ANT RP		A2C			30450B				1	1	1	1
D	PTIC	46400	APR O S W&A SY I&M		A2C			36130	35	35	35				
A	PTIC	46400	O/S W&A SY IN&MA SPE		A2C			36150				35	35	35	35

GEEIA FORM 53 (TEMPORARY)

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ITEM NUMBER OR ELEMENT — COMPLETION INSTRUCTIONS

THRU — Submit request through the channels specified in letter, this Headquarters, 9 Oct 59, Subj: Processing Unit Manning Documents.

FROM — Enter the organizational nomenclature of the unit affected by the change request.

1. Enter the number of the change beginning with "1" and the as of date of the UMD to which the change applies. Change numbers will run numerically, e.g., 1, 2, 3, 4, etc, and a new series will begin each time a new UMD is received.

2. Date of preparation.

3. Self-explanatory.

4. Reflect "D" for delete and "A" for add. Complete all columns for both actions. (When you desire to change an existing line item, delete the entire line item and add the line item as you wish it to appear.)

5. Identify the organizational element in which the change is desired, e.g., Pers Div, ROZAF, etc.

6. Enter the functional code to which the position is charged (ref AFM 20-3).

7. For military, enter the title as specified in AFM 35-1 or 36-1 as appropriate. For civilians, enter the title as specified in the Civilian Personnel Position Master File.

8. Supervisory positions will be identified in the UMD with an "S" in accordance with paragraphs 3a and 3b, MAC Sup-1 to AFR 26-4.

9. Enter military or civilian grade as appropriate (TSG, LTC, GO2, W15, or FN for Foreign Nationals).

10. For identified management positions, enter "X" for military and "Y" for civilians. To provide greater uniformity in the identification of management positions, positions below the grade of Captain or GS-11 will not be considered management positions (ref AFR 30-22).

11. Enter "C" for graded, "B" for wageboard. For foreign nationals, enter the appropriate object class, i.e., 01 for direct hire personnel or 07 for contract services personnel.

12. Enter the Air Force Specialty Code for the position (AFM 35-1 and 36-1).

13. The first four columns will reflect the next four fiscal quarters succeeding the quarter in which the change is prepared. Example: If the change is being prepared in FY 2/60, the entries in the first four columns will be 3/60, 4/60, 1/61 and 2/61. The last three columns will reflect the succeeding end-year positions. In the above instance, these would be 4/61, 4/62 and 4/63.

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UNIT MANNING DOCUMEN. HANGE REQUEST

TO: GEEIA (ROZAF), GRIFFISS AFB. NEW YORK

THRU: PACGER APO 323

FROM: 2875th GEEIA Sq APO 323

1. CHANGE NO 1 TO UMD AS OF 1 Apr 1960

2. DATE 7 June 1960

3. PAGE 3 OF PAGES

4. ACTION	5. OFFICE CODE	6. FUNCTION CODE	7. FUNCTION TITLE AND POSITION DESCRIPTION	8. SURVR IDENT	9. GRADE	10. MOT IDENT CODE	11. CIV CAT.	12. AFSC	13. FISCAL QUARTER 1/61	2/61	3/61	4/61	4/62	4/63	4/64
D	PTIC	46400	AP DIAL CEN OF EQ SP		A2C			36231	2	2	2				
A	PTIC	46400	DIAL CEN OFF EQP SP		A2C			36251				2	2	2	2
D	PTIC	46400	APR CM RL CN OTH EQ		A2C			36330B	2	2	2				
A	PTIC	46400	CM/RLY CN/OTH EQ RPM		A2C			36350B				3	3	3	3
D	PTIC	46400	AP EL CM&CRP ET EQ RP		A2C			30630C	1	1	1				
A	PTIC	46400	EL COM&CRO ET EQ RP		A2C			30650C				1	1	1	1
D	PTID	46400	APR CM RL CN OTH EQ		A2C			36330B	1	1	1				
A	PTIC	46400	CM/RLY CN OTH EQ RPM		A2C			36350B				1	1	1	1

JUSTIFICATION/EXPLANATION: (1) Change of all A2C "3" Level Spaces to A2C "5" Level Spaces are requested in accordance with ROZAFA Letter, Valid "5" Skill Level Requirement, 7 Apr 1960. (2) Re line 5 & 6, page 1: This position is for the T/O Library position which has been changed to PTA. (3) Reline 7 & 8, & 9 & 10, page 1: Requirements for line 7 & 9 no longer exist within this unit as result of Tenancy agreement with Base, and requirements exist within PTS for Warehouse Specl & Admin Clerk to handle existing and projected workload. (4) Reline 13 & 14 page 1: Workload within PTS no longer exists for Gnd Com Eq Rp/H, and due to projected workload in PTI a valid requirement exists for an additional FN Draftsman. (5) Re line 15 & 16, page 1: Change of 9 level position is in accordance with par 1b, AMC Ltr, MCAMAE, Airman Assignment Procedures, 27 Apr 59, and projected workload. (6) Re line 17, page 1 and line 1, page 2: Due to requested change of the FN position, no requirement exists for a military Draftsman, and projected workload in the 304X1 Career Field requires this position chang.

ALVIN G. MORELAND, Captain, USAF
Chief, Administrative Services

A TRUE COPY:
Joel H. Fenster
JOEL H. FENSTER, 2/Lt, USAF
Certifying Officer

GEEIA FORM SEP 59 53 (TEMPORARY)

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ITEM NUMBER OR ELEMENT — COMPLETION INSTRUCTIONS

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3. Self-explanatory.

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2875th GEEIA Squadron
Pacific GEEIA Region (AMC)
UNITED STATES AIR FORCE
APO 323, San Francisco, California

REPLY TO
ATTN OF: ZPTI/Lt Lakey/28980

7 June 1960

SUBJECT: Retention of Contract Technician Personnel

TO: PACGER (ZPA)

1. During the past calender year the CTS personnel assigned to this Squadron have spent a total of 288 man days in the field. During these TDY periods the complexity of the jobs accomplished required the technical assistance of these personnel. 77 man days were spent in formal classroom instruction of available installation personnel primarily on electronic fundamentals.

2. The majority of these TDY job assignments would have required Region Engineering assistance if CT personnel had not been available within the Squadron. During all Field Trips and particularly on new, or unfamiliar equipment the services of these personnel are invaluable assets in completing our assigned mission. During the past year, field duty assignments of CT's were divided between on the job engineering, technical advisory, and on the job trainer. Frequently during this period we have been assigned priority installation and tech assist jobs that because of their nature and urgency, no Installation Specifications or other engineering data was furnished by Pacific GEEIA Region. These jobs were engineered on site and successfully completed with the assistance of assigned CT's. When not in the field, or conducting formal training, these personnel are utilized within the Squadron as technical consulatants and trainee advisors. Since they were immediately available for this service when not on TDY, formal records on the time expended in this valuaole capacity were not maintained.

3. There are occasions when job requirements are such that it is difficult to tie them to any specific AFS. In such cases rather than assign a combination of supervisory personnel it is more expedient to assign a team chief assisted by a contract technician.

4. Their technical knowledge, and training ability, cannot be effectively replaced, if the CT's are removed from this Squadron. The loss of their services as technical advisors during the installation of the more complex equipment and systems will seriously effect our mission accomplishment in these areas.

5. In the installation field it is extremely difficult to train, and maintain the proficiency of personnel in technical AFSC's. This is primarily caused by the lack of daily application of their technical skills normally required

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in an operational squadron. Approximately 90% of the installation time is devoted to the mechanics of installing and cabling the equipment in its operating position. The actual alignment, troubleshooting and repair, phase of the installed equipment comprises a very small portion of the facility installation time. Because of this limited practical experience in actually maintaining equipment within their respective AF Specialities it is vitally important to maintain a continuous OJT and familiarization program to keep them fully qualified. This problem is further magnified by personnel in upgrade training. If qualified personnel are not available to assist the supervisors in maintaining their proficiency, and to aid in the upgrade training, it is extremely difficult to maintain an effective training program. This concentrated OJT must be provided in the field to our team chiefs as well as team members. For this reason it is necessary that we have the services of these highly qualified contract technicians to assist in performing this function.

FOR THE COMMANDER:

ALVIN G. MORELAND, Captain, USAF
Chief, Administrative Services

A TRUE COPY:
Joel H. Fenster
JOEL H. FENSTER, 2/Lt, USAF
Certifying Officer

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HEADQUARTERS
PACIFIC GROUND ELECTRONICS ENGINEERING INSTALLATION AGENCY REGION (AMC)
UNITED STATES AIR FORCE
APO 323, San Francisco, California

OFFICE OF THE COMMANDER

25 March 1960

SUBJECT: Installation Policy Between Region and Subordinate Squadrons

TO: 2875th GEEIA Sq (ZPT)
APO 323

2876yh GEEIA Sq (ZPP)
APO 74

1. Decentralization of Materiel and Quality Assurance functions to both Squadrons has been under consideration for some time. The decentralized concept is being instituted in the 2875th GEEIA Squadron on a thirty (30) day trial basis to enable the Region and the Squadron to develop policy, regulations and procedures so that when the decentralization becomes final it may be accomplished smoothly and with minimum confusion.

2. The decentralization concept for Quality Assurance in broad terms is to delegate to each Squadron Quality Assurance Inspections of the installation work performed by that Squadron. The extent of the Quality Assurance Inspection will be those phases which deal with workmanship, standard practices and conformance to installation specifications. This responsibility will be executed not only over installation work accomplished by the organic capability of the Squadron but also of any contractual installation assigned to the Squadron for surveillance by the Director of Installations. The Region Quality Assurance Staff Office is delegated Staff surveillance of all subordinate units and retains a responsibility for final technical acceptance to assure that the installed facility technically performs in accordance with engineering specifications and meets the operational requirements as established in the Site Concurrence Letter.

3. A decentralized concept of Materiel monitorship in broad terms delegates the responsibility for monitoring the material phase of schemes assigned to each Squadron for installation. In order to assure each Squadron adequate time for detailed scheduling, allocation of manpower, tools and test equipment, schemes will be assigned for installation at least 150 days prior to the installation start date. This concept implies that the Squadron will be responsible for calling out the scheme material from CESAC 120 days prior to installation start date, examining the material to be supplied based on CESAC's response to the material call-out to determine whether the installation can be started with material made available by CESAC as a result of this call-out. The time intervals descussed above can only be considered objectives at this point in time since we have in the system many schemes with installation start dates that will no permit the 150 days lead time. It is my estimate that by June we will reach our objective. The Director of Installations will continue to assign installation workload to each

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Squadron and consequently will maintain an accurate knowledge of installation capability. The Director of Installations will when installation capability does not exist in the two Squadrons, first through Hq GEEIA call upon other Regions to provide installation capability and failing at this, determining which installation will be established for contractual assistance.

4. Procurement of "hardware" type items and off-shore procurement in the P-600 Area will be centralized under the Region Deirector of Materiel as a portion of the decentralization program in an attempt to obtain improved procurement procedures and lead time.

5. The thirty (30) day trial period with the 2875th Squadron will cease on 30 April 1960. You may expect that on approximately 15 April 1960, policy, regulations and procedures will be provided each Squadron so that the decentralized concept can be implemented by 1 May 1960.

JOHN P. GRANT
Lt Colonel, USAF
Commander

A TRUE COPY:
Joel H. Fenster
JOEL H. FENSTER, 2/Lt, USAF
Certifying Officer

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JOINT MESSAGEFORM

SECURITY CLASSIFICATION: UNCLASSIFIED

SPACE BELOW RESERVED FOR COMMUNICATION CENTER

SMITH

PRECEDENCE	TYPE MSG (Check)			ACCOUNTING SYMBOL	ORIG. OR REFERS TO	CLASSIFICATION OF REFERENCE
	BOOK	MULTI	SINGLE			
ACTION ROUTINE	X			AF		
INFO						

FROM: PACGER TACHIKAWA AB JAPAN

TO: 2875TH GEEIARON APO 323 (COURIER)

2876TH GEEIARON CLARK AB PI

UNCLAS ZPC 5-2-E. THIS MSG IN TWO PARTS. PART I. REFERENCE LETTER THIS HQS, SUBJ: INSTALLATION POLICY BETWEEN REGION AND SUBORDINATE SQUADRONS, DATED 25 MARCH 1960. PROVISIONS OF SUBJECT LETTER ARE HEREBY RESCINDED. PART II. FOR 2876TH. THIS ANSWERS YOUR ZPPI 4-142-E.

SPECIAL INSTRUCTIONS

A TRUE COPY:
JOEL H. FENSTER, 2/Lt, USAF
Certifying Officer

THIS IS NOT AN E F T O MESSAGE.

DATE	TIME
2	0955
MONTH	YEAR
Apr	1960

WR

SYMBOL: ZPC

TYPED NAME AND TITLE (Signature, if required): JOHN P. GRANT, LT COL, USAF, DEP COMDR

PHONE: 22997/mrh | PAGE NR.: 1 | NR. OF PAGES: 1

SECURITY CLASSIFICATION: UNCLASSIFIED

RELEASER

SIGNATURE

TYPED (or stamped) NAME AND TITLE:

JOHN P. GRANT, LT COL, USAF
DEPUTY COMMANDER

DD FORM 1 MAY 55 173 REPLACES DD FORM 173, 1 OCT 49, WHICH WILL BE USED UNTIL EXHAUSTED

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Ltr, 2875 GEEIA Sq (PAZPTA), 31 Aug 59, Emblem Authorization

5th Ind (AFPMP-12-C)

Hq USAF, Washington 25, D. C. 19 November 1959

TO: AMC (MCAMP)

1. The proposed emblem for the 2875th GEEIA Squadron has been reviewed by this headquarters. Since several squadron emblems bearing an octopus have been approved in the past, this motif is no longer considered original. Therefore an alternative design is suggested.

2. In order to assist the squadron in the development of its emblem, a modified sketch has been prepared and is attached for consideration. The background of Air Force blue has been retained, as well as the elements representing the squadron's various responsibilities. All of these objects are encircled by the overall design of the electronic symbol to indicate the unit's primary mission is electronic engineering. The squadron's designation or motto may be placed upon the scroll.

3. If it is decided to accept the proposed design, it is requested that the shetch (Atch 2) be returned with reply. Final action will be taken by this headquarters upon receipt of the unit's decision.

FOR THE CHIEF OF STAFF:

ROSS D. NORTON
Lt Colonel, USAF
Chief, Awards Branch
Personnel Services Division
Directorate of Military Personnel

2 Atch
1. n/c (1 cy w/d)
Added 1 atch
2. Modified sketch

A TRUE COPY
Joel H. Fenster
JOEL H. FENSTER, 2/Lt, USAF
Certifying Officer

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2875th GEEIA SQUADRON (AMC)
UNITED STATES AIR FORCE
APO 323, San Francisco, California

REPLY TO
ATTN OF: ZPTI/SSgt Taylor/28980

SUBJECT: Squadron Emblem Contest

18 February 1960

TO: All Personnel

1. The present Sq Emblem Design, the Octoqus after much consideration has been disapproved by Hq USAF. The reason being that in the past, several other organizations have used similar designs.

2. A suggested design was received but rejected by the Unit Fund Council. It is our beleif there is plenty of original idea's within the Squadron for an insignia.

3. Beginning on the First of March a contest with a prize of $25.00 will begin within the Squadron for the person with the best idea. All suggestion will be turned in to either the First Sergeant or SSgt Richard Taylor, Project NCO, prior to 1 April 1960. The $25.00 prize will be awarded after approval by Hq USAF.

RICHARD L. TAYLOR, AF15404783
SSgt, Project NCO

A TRUE COPY
Joel H. Fenster
JOEL H. FENSTER, 2/Lt, USAF
Certifying Officer

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PROPOSED INSIGNIA DESIGN
2875th GEEIA SQUADRON

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2875th OFELA Squadron
Pacific OFELA Region (AMC)
UNITED STATES AIR FORCE
APO 323, San Francisco, California

REPLY TO
ATTN OF: ZPTI/Capt Smith/26980 8 April 1960

SUBJECT: Squadron Training Building

TO: ZPTI (Lt Bennett)

1. You are appointed as project officer for the rehab and planning required to prepare Building 1345 for occupancy as training facility.

2. Suggest you appoint an officer to assist in this work. Further suggest a committee be appointed consisting of each Flight CIC, NCOIC and the Training NCOIC to discuss and draw up plans as to how the building is to be utilized and what each flight desires space-wise.

3. Captain Knight informs me that lumber and materiel is no problem provided we do the work. One thing we must verify is just what in the line of modification the base will permit us to do.

4. Initially draw up a floor plan showing what is needed, space-wise and where each section will be located. After this is completed and approved the flights can dig in and come up with ideas and equipment requirements to establish our training program.

5. Let's get behind this project and make the facility an excellent training area and something the organization can take pride in.

WAYNE K. SMITH
Captain, USAF
Training Officer

A TRUE COPY
Joel H. Fenster
JOEL H. FENSTER, 2/Lt, USAF
Certifying Officer

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HEADQUARTER
ROME AIR MATERIEL AREA
United States Air Force
Griffiss Air Force Base, New York

ROSX

Jan 14 1960

SUBJECT: Processing "Project Count" Inventory Listings of CE Material

TO: P Pacific GEEIA Region (ZPS) APO 323, San Fran, Calif

1. Reference ROAMA message ROSX-1-1-E dated 13 Jan 60 concerning USAF World-Wide asset inventory bearing code name "Project Count".

2. Attached hereto are listings of CE material supplied to your Region for specified CE Schemes. These listings are to be used in conducting a physical inventory of all material which has been supplied to you against facilities for which your Region has not prepared and submitted a Certificate of Installation. This will include all material in storage, material scheduled for installation and material actually installed where the AFTO 88 has not been accomplished.

3. Your report to CESAC of CE assets on hand will include all, repeat all, material whether or not indicated on the listings, and will include but not be limited to assets carried on jacket file accountability, partially installed material, items shipped by CESAC subsequent to 1 Sep 59 to your AFB 2222 SNY Account.

4. Commanders of GEEIA Regions will insure that the following actions are completed by the Inventory Team Leaders in the inventory and reporting of CE material:

a. Coordinate at the base or site where inventory is being conducted with the local "Project Count" monitor to insure that he is made aware of the separate and distinct inventory of CE material.

b. Count quantities of each item on hand for each scheme. Compare quantity counted against quantity on listing indicated by vertical blue lines. If no disagreement exists place check mark on listing following item quantity.

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c. Those quantities in disagreement will be recounted to verify first count. Quantity column will then be changed as necessary to agree with actual count. Where change is necessary, quantity will be circled in red and actual quantity onhand will be inserted above the printed figure.

d. Mark all material counted with a symbol /X/ to indicate CE Scheme material counted by GEEIA personnel. Base or Site "Project Count" monitor will be advised of this marking to eliminate duplicate counting and reporting of the item by local personnel conducting regular AF "Project Count" inventory.

e. Add to the listing any material identified to the scheme but not included on the listing. Report stock number and quantity actually counted.

f. Report all material at a site marked for any CE Scheme which is not included on the attached listings. Include scheme designator, CESD number (if any), stock number and quantity.

g. Forward one copy of completed report indicating quantities actually counted to CESAC Division at ROAMA (ROSXD) Griffiss Air Force Base, New York, Marked for "Project Count" Monitor, no later than 28 February 1960.

5. Any queries or problems concerning this project which cannot be resolved by the appropriate Regional Headquarters will be directed immediately to the CE Scheme "Project Count" Monitor, Mr. Russell Dekay, CESAC Division (ROSX) at ROAMA, telephone Rome 3200, Ext 72125.

FOR THE COMMANDER:

R. B. Patard
for R. E. HARRUFF
Deputy Director
Directorate of Supply and Services

A TRUE COPY:

Joel H. Fenster

JOEL H. FENSTER, 2/Lt, USAF
Certifying Officer

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2875th GEEIA SQUADRON (AMC)
UNITED STATES AIR FORCE
APO 323, San Francisco, California

REPLY TO
ATTN OF: ZPTI/Lt. Lakey/28563

SUBJECT: Project Count

25 January 1960

TO: Project Count Teams, 2875th GEEIA Sq.

1. Project Count Team Chiefs will report to the base Project Count Officer on arrival at TDY Locations (Project Count Officer will normally be the Base Supply Officer). The GEEIA Project Count mission will be explained to the Base Project Count Officer, and he will be requested to arrange for the GEEIA Team to have access to all C-E Material that has not been accepted by the base on AFTO Form 88 (Installation Inspection Certificate).

2. C-E Equipment to be inventoried by GEEIA personnel will include all C-E Scheme Equipment on base that has not been installed. It will also include the major items of equipment that has been installed, but IIC's have not been completed on.

a. Equipment that has been installed, does not appear on the CESAC machine listing, and a valid IIC cannot be produced, will be accounted for as follows:

(1) Major items of equipment will be listed on AFTO Form 80 by stock number, nomenclature and total quantity required column (Column "E") will reflect total quantity on location.

(2) When available, the C-E Scheme Designator for the installed equipment will be included, along with the date of the inventory on the AFTO 80 when the C-E Scheme Designator is not available, a complete description of the type of facility will be included in the Scheme Designator block.

3. Air Force T.O. Form 80 will be used in single copy, to itemize equipment, by C-E Scheme Number, that does not appear on the CFSAC machine listing. When available, valid packing lists will be used to itemize equipment that is depot boxed, and stored in base C-E Scheme Warehouses. It it is impossible to identify equipment from box markings, packing lists, or valid condition tage, the boxes will be opened and equipment physically inventoried. Equipment that has not been installed, and is not listed on the CESAC machine listing, will be entered on AFTO Form 80 as follows:

a. All material that can be identified to a specific scheme number will be itemized by stock number, nomenclature, and quantity on hand (Column "E"), for each line item of the scheme.

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The scheme designator will be entered on AFTO Form 80, and all material for this scheme will be listed under the scheme number (if more than one form is required per scheme, pages will be numbered and stapled together by scheme).

b. Equipment that has no scheme markings, and cannot be identified to a specific scheme or CESD Number will be listed on AFTO Form 80 under the heading of "excess" in C-E Scheme Designator Column. Equipment that has a CESD Number on the shipping label will be listed under this CESD Number on the Form 80.

4. All equipment that is unservicable will be indicated by placing a "U" in column "A" of AFTO Form 80. Equipment that is incomplete (i.e., 99C Xmitters, GRC-27 Radio Sets) will be indicated by placing "INC" in Column "A", AFTO Form 80. When time permits, a complete inventory will be made on incomplete equipment and attached to the AFTO Form 80.

5. Entries on the CESAC machine listing will be in accordance with letter ROAMA, ROSX, Subject: "Project Count" dated 14 Jan 60. If a valid IIC can be produced by the local operating unit, or Base C-E Office, on schemes appearing on the machine listing, a copy of this IIC will be attached to the machine listing when they are returned to this office.

6. All entries on AFTO Form 80's, and machine listings MUST BE COMPLETE AND READABLE, as this listing will be forwarded to CESAC.

a. Inventory team chiefs signature will be entered in the remarks section of the Form 80's, and immediately following the C-E Scheme Number on the machine listings.

7. AIDS AND ASSISTANCE: The following are suggested aids during the actual inventory:

a. Borrow a copy of T.O. 31-1-11 from the Base C-E Office, the Local AACS Squadron, Base Supply T.O. Library, or Base Communications Office, to assist in identifying stock numbers of equipment and components that do not have a valid stock number attached.

b. Solicit the assistance of the Local AACS Squadron and Base Communications, to provide qualified personnel to assist in the identification of equipment.

c. Solicit the assistance of Base Supply research section to assist in obtaining valid stock numbers from equipment part-numbers.

d. Borrow a copy of applicable parts breakdown on questionable equipment, from the Base Communication Office, or Local AACS Unit to assist in identifying incomplete equipment.

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e. Do not hesitate in asking the Base Project Count Officer or his representative for advise and/or assistance.

8. This project must be completed and mailed to CESAC by the 28 February 1960. A completion date is established for the compplétion of the inventory and return to this squadron on/or before 20 February 1960.

9. If difficulty is encountered, or any possible delays are anticipated, contact the undersigned immediately at one of the following phone numbers; 28563, 28692 or home phone Green Park, 2949. If difficulty is encountered in obtaining a phone priority contact the Base Project Count Officer for assistance.

HARVEY L. LAKEY
1st Lt., USAF
Project Count Officer

A TRUE COPY:

Joel H. Fenster

JOEL H. FENSTER, 2/Lt, USAF
Certifying Officer

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JOINT MESSAGEFORM

SECURITY CLASSIFICATION: UNCLASSIFIED

SPACE BELOW RESERVED FOR COMMUNICATION CENTER

	PRECEDENCE	TYPE MSG (Circle) BOOK	MULTI	SINGLE	ACCOUNTING SYMBOL	ORIG. OR REFERS TO	CLASSIFICATION OF REFERENCE
ACTION	PRIORITY				AF		
INFO							

FROM: PACGER TACHIKAWA AB JAPAN

SPECIAL INSTRUCTIONS

TO: 2876TH GEEIA SQ CLARK AB PI
2875TH GEEIA SQ APO 323 (COURIER)
PACGER LIAISON HICKAM AFB HAWAII

UNCLAS ZPS 3-549-E.

FOLLOWING ROAMA MSG IS QUOTED FOR YOUR GUIDANCE AND FURTHER ACTION.

/TE: UNCLAS FROM ROSX 3-15-E ACTION ZMSS AT EASTERN GEEIA; OCZO-SF AT CENTRAL GER SMZSSTMA AT WESTERN GER ZPS AT PACIFIC GER ZEB AT EUROPEAN GER. SUBJECT: PROJECT COUNT. COMPLIANCE WITH INSTRUCTIONS GOVERNING SUBJECT PROJECT REQUIRES A QUALITY CONTROL MEASUREMENT BE ACCOMPLISHED AT FIELD ACTIVITIES. RE-INVENTORY PERSONNEL WILL CONTACT BASE "PROJECT COUNT" MONITOR AND BASE RESIDENT AUDITOR PRIOR TO ACCOMPLISHMENT OF RECOUNT. LISTINGS OF ITEMS TO BE RE-INVENTORIED ARE BEING PREPARED AND WILL BE FORWARDED BY SEPARATE MESSAGES. ALL LISTINGS WILL BE FORWARDED TO ARRIVE YOUR HEAD-QUARTERS NO LATER THAN 28 MARCH 60. RESULTS OF REINVENTORY ARE TO BE RETURNED TO ARRIVE ROAMA/ROSX/ NO LATER THAN 4 APRIL 60.

DATE	TIME
25	1410
MONTH	YEAR
MAR	60

WRITER

SYMBOL: ZPS

TYPED NAME AND TITLE (Signature, if required): JOHN E. MCGRATH, Act Dir of Materiel

PHONE: 29193/mkp | PAGE NR. 1 | NR. OF PAGES 2

SECURITY CLASSIFICATION: UNCLASSIFIED

RELEASER

SIGNATURE

TYPED (or stamped) NAME AND TITLE

JOHN E. McGRATH, DAFC
Asst Director of Materiel

DD FORM 1 MAY 55 173 REPLACES DD FORM 173, 1 OCT 49, WHICH WILL BE USED UNTIL EXHAUSTED

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JOINT MESSAGEFORM - CONTINUATION SHEET | SECURITY CLASSIFICATION

PACGER TACHIKAWA AB JAPAN

INFORMATION TO BE FURNISHED BY THIS ACTIVITY WILL REFLECT THE BASE LOCATION, SCHEME DESIGNATOR, CESD, ITEM NUMBER, STOCK NUMBER, AFD, NOUN, METHODS AND INSTRUCTIONS FURNISHED YOUR PERSONNEL BY YOUR HEADQUARTERS PRIOR TO INITIAL INVENTORY APPLY. YOU ARE REQUESTED TO INSURE THAT THESE SAME PROCEDURES WILL BE ADHERED TO DURING RECOUNT. ACKNOWLEDGMENT OF RECEIPT REQUIRED. THIS MESSAGE COORDINATED WITH HQ GEEIA. UNQUOTE.

A TRUE COPY:
Joel H. Fenster
JOEL H. FENSTER, 2/Lt, USAF
Certifying Officer

BOL	PAGE NR	NR OF PAGES	SECURITY CLASSIFICATION	INITIALS
ZPS/Mr McGrath/mp	2	2	UNCLASSIFIED	

DD FORM 1 MAY 55 173-1

☆ U. S. GOVERNMENT PRINTING OFFICE: 1955-488204

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2875th GEEIA SQUADRON (AMC)
UNITED STATES AIR FORCE
APO 323, San Francisco, California

REPLY TO
ATTN OF: ZPTI/Capt Belter/28980

1 February 1960

SUBJECT: Scheme Disposion

TO: PACGER (ZPS)

1. Request disposition instructions for the attached list of scheme material stored in Building #926.

2. This list was previously submitted to Mr. Littleton by Mr. Ward in a meeting in Lt Col Worley's office on 20 January 1960.

3. Disposition instructions are required in sufficient time to allow the 2875th GEEIA Squadron, to vacate Building #926 by 1 March 1960.

FOR THE COMMANDER:

s/ Frederick L. Bennett
FREDERICK L. BENNETT
1st Lt., USAF
Asst Chief, Administrative Services

1 Atch
List of Material

Copy to: ZPC

A TRUE COPY:

Joel H. Fenster

JOEL H. FENSTER, 2/Lt, USAF
Certifying Officer

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NO LOCATOR CARDS

A-17-A	Sun-TAW-34-7191-AF7
A-15-A	CESD 592304
A-13-A	160-PAF-LH48-2000-AACS5-072A8
A-11-A	SUU-TAW-3-H-7155-AF08
A-7-A	058-PAF-PV75-A0015-NP-884A8

ROW 54

A-40-A	CE55-FEA-ITZ-AACS-22BGS
A-38-A	31-R2-NY15-C1-N-2220-453A9
A-34-A	159-FEA-KH31-2278-NAMAP-020A8
	CESD-581657
	C 590577
	CE55-FEA-ITZ-AACS5-22BGS
	C 221544

ROW 196

A-35-A	SUU-TAW-3H-5054-AF3
	CE57-FEA-TOR-NP-821-TCO
A-33-A	CE57-FEA-TOR-NP-821-TCO
A-33-B	CE57-FEA-TOR-NP-821-TCO
A-30-B	CE57-FEA-TRO-NP-821-TCO
A-29-A	CE58-FEA-VL82-6461-NAMAP-108A7-C58890
A-29-B	CE58-FEA-VL82-6461-NAMAP-108A7-C58890
A-27-A	CE58-FEA-VL82-6461-NAMAP-180A7-C58890
A-27-B	No Identification Repeater Bay 51A

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A-23-A	C58-AMO-VJ74-A0011-NP-77-1A7
A-23-B	C58-AMO-VJ74-A0011-NP-77-1A7
A-21-A	C58-AMO-VJ74-A0011-NP-77-1A7
A-21-B	C58-AMO-VJ74-A0011-NP-77-1A7
A-18-A	CE58-FEA-VL82-6461-NAMAP-108A7-C580890
A-17-A	RAP 103 JOB #31-R2-NT15-N-2220-453A9-K
A-16-A	29-R2-PU75-1B2081-C-3652-359A9-K
A-15-A	29-R2-PU75-1B2081-C-3652-539A9-K
A-13-A	29-R2-PU75-1B2081-C-3652-539A9-K
A-13-B	29-R2-PU75-1B2081-C-3652-539A9-K
A-12-A	29-R2-PU75-1B2081-C-3652-539A9-K
A-12-B	Project Buzz Saw
A-11-A	CE58-FEA-ITZ-AACS5-162TN
A-9-A	31-R2-NT-15-( )-N-2220-453A9-K
A-9-B	31-R2-NT15-( )-N-2220-453A9-K
A-9-C	31-R2-NT15-( )-N-2220-453A9-K
A-8-A	31-R2-NT15-( )-N-2220-453A9-K
A-8-B	31-R2-NT15-( )-N-2220-453A9-K
A-6-A	59-PAF-HW-57-6000-AACS5-017A9
A-6-B	59-PAF-HW57-6000-AACS5-017A9
A-6-C	59-PAF-HW57-6000-AACS5-017A9
A-6-C	59-PAF-HW57-6000-AACS5-017A9
A-4-C	CE160-PAF-NT15-2000-AACS5-019A9
	CESD 590912
A-4-D	60-PAF-KZ31-6300-AACS5-076A8
A-3-A	CE58-AMO-VJ74-A0021-NP771A7

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ROW 196 (Cont'd)

A-3-B	CE459-PAF-KH92-2000-AACS5-077A8
A-3-D	159-FEA-KH31-2278-NAMAP-020A8
A-1-A	BOM0005
A-1-B	Buzz Saw
A-1-C	160-PAF-K023. B0011-MOPS-004A9 CESD 590361
A-1-D	58-PAF-ED15-2220-AACS5-045A8
A-54-C	00-R2-LH48-N-2221-295A8-K) GCA
A-54-B	0052-AR82-N-2221-058A8-K) Telephone Selector
A-54-A	00-R2-KM31-N-2221-222A8-K)
A-53-A	058-PAF-PU75-A0011-NP-884A8 3C - Switchboard 5805-PA-86535
A-49-A	CE-00-PAF-NT.15-A0011-PAGER-0029UA9 - Selectors
A-47-B	20B52099-278-0555-1
A-45-A, B & C	TACAN Monitor; 19 ea
A-44-A & B	CE55-FEA-ITZ-AACS5-22BGS
A-41-A	058-PAF-PZ99-B-0011-L/P-951A8
	30-R2-YF99-4A04T-N-2226-677A9-K
	29-R2-YF99-4AOUT-N-2226-465A8-K
	31-R2-NY15-( )-N-2220-453A9-K
	5975-237-8082-160-PAF-NT15-2000-AACS5-019A9
	29-R2-YF99-4A04T-N-2226-464A8-K 6145-500-1257
A-41-B	S-D 10-TZ-PU75-B-0011-379A8-K
A-39-A	6660-651-0470 Projector
A-39-B	6660-651-0470 Projector Total of 2 sets
A-37-A	CE55-FEA-ITZ-AACS5-22BGS
A-37-B	CE55-FEA-ITZ-AACS5-22BGS
A-37-C	CE55-FEA-ITZ-AACS5-22BGS

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BAY	ROW #202	AMOUNT
4B	0590307	2 bxs
4B	SUU-TAW-3H-6888-AF	1 bx
4C	6220-299-6299, HDLG, 2 ea	1 bx
4C	HW57-157A8	13 bxs
3A	C59Q207	3 bxs
3B	058-PAF-PU75-A0011-NP-883A8	15 bxs
1A	459-PAF-MP40-6451-NP-22A9	1 bx
1A	C590192	1 bx
1B	C0580854	1 bx
1B	C580788	1 bx
1C	KH31-2221-6451-161A0-K	1 bx
1C & D	SUU-TAW-3H-8924-AF7	9 bxs
3C	C224039	15 bxs
56A	S-D 10-R2-PU75-B0011-379A8K	------ 20 bxs
58A, B, & C	058-PAF-PU75-B0011-953A8	
	ODO-PAF-NT15-A0011-/PACGER	
52 A, B & C	0029LA9	21 bxs
48 D, 47A	55-FEA-ITZ-AACS5-22BGS	15 bxs
48A	Rack Bare	1 bx
48B, & C	RAP-105	2 bxs
47A	458-FEAF-KH92-2275-NP-009A8	1 bx
43A	459-PAF-KH92-2000-AACS5-077A8	4 bxs
44A	459-PAF-KH92-3000-AACS5-078A8	1 bx
46A	C590841	1 bx
43B	160-SAO-AR82-HAOPS-6361-029A8	1 bx
43B	SAO-AR82-5341-AACS5-019A8	1 bx

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ROW #202 (Cont'd)

BAY		AMOUNT
43B	57-SAO-AND-SAMAP-1012/TT	1 bx
43B	C580904	2 bxs
43B	C22833	2 bxs
43B	C0580903	1 bx
43B	C226619	1 bx
44B	C580700	1 bx
44B	C5301050	1 bx
44B	C580021	1 bx
45B	C580955	1 bx
45B	C582046	1 bx
45B	C581358	1 bx
46B	C580311	1 bx
46B	C580902	2 bxs
40D	C580179	1 bx
40D	C530308	1 bx
41D	C581340	2 bxs
42D	C580891	3 bxs
37A, B	57-FEA-TAC-AACS5-146AC-C	33 bxs
34A, B	058-PAF-PU75-A0011-NP-8814A8	2 bxs
30A		2 bxs
25A, B		3 bxs
19A		4 bxs
11A		2 bxs
13B		5 bxs

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ROW #202

BAY		AMOUNT
25-D	058-AMO-VJ74-A0021-NP-771A7	
23-A		
21-A, & B		
19-B, & C		
17-A	C258-FEA-VL-82-6461-NAMAP-108A7	5 bxs
15-A, & B	31-R2-NT15-( )-N-2220-453A9-K	
10-A, 8-A & B, 6ABC	29-R2-PU75-1B2081-C-3652-539A9-K	
10-B	GUA-AACS-628-R1-GLOBECOM-5	
43-C	C0580892	4 bxs
43-C	C0581051	1 bx
44-C	C0581036	1 bx
44-C	C0581038	1 bx
44-C	C0580808	1 bx
45-C	C0581028	1 bx
45-C	C0581830	1 bx
46-C	C0580998	1 bx
43-D	C224039	1 bx
43-D	C224188	1 bx
44-D	C221279	1 bx
45-D	C-43592276	1 bx
45-D	C227907	1 bx
39-A	C590061	2 bxs
39-A	C590076	1 bx
40-A	C590307	1 bx
40-A	C590422	1 bx
41-A	C590912	1 bx

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ROW #202 (Cont'd)

BAY		AMOUNT
39-B	C0590166	2 bxs
40-B	C0591344	1 bx
41-B	C580997	1 bx
41-B	C581642	3 bxs
43B, 39C	C581657	7 bxs
42-D	C580890	3 bxs
40-C	C581004	1 bx
41-C	C0581340	1 bx
41-C	C590577	1 bx

ROW #178

A-48-A	TACAN Monitor - 4 ea 6625-519-2202	
A-46-A	160-PAF-ED15-2243-AACS5-085A8	1 rl
A-44-A	160-PAF-ED15-2243-AACS5-085A8	
A-43-A	058-PAF-PZ99-B-0011-NP. 951A8	
	CE57-FEA-TAC-AACS-146A-GC	
	31-R2-NY15-( )-N-2220-453A9-K	
A-39-A	CE57-FEA-TAC-AACS-146A-GC	
A-38-A	160-PAF-XB98-2243-AACS5-051A8	7 bxs
A-36-A	CESD C0592304 SUU-TAW-3H-9741-AF-08	
A-35-A	460-PAF-KH31-2243-PAGEK 093A9	
A-34	359-FEA-JK57-B0011-SM-001A	
A-29-A	1 Roll of M-10 Messenger	
A-29-B	TACAN Monitor	
A-24-A	359-FEA-JK57-B0011-SM-001A8	

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ROW #178 (CONT'D)

A-22-A	59-FEA-CEN-AACS5-105-TN C051968
	58-FEA-EW316451-AMOPS-002A7
A-21-B	359-PAF-ED15-B0011-AMOPS-066A5-C581476
	57-FEA-JOH-AACS5-157-GC C0227946
	CE60-F2-VJ74-9000-001A9-K
A-21-A	55-FEA-ASH-AACS55-98A-GCC0223328
A-19-A	459-SAO-AR82-2000-AACS5-008A8
	CESD 590358
	58-FEA-HIC-AMCSM-2-PP C225287

ROW #170

BAY		AMOUNT
48-B	C228403	1 bx
48-B	C590207	1 bx
43-A	C590912	1 bx
43-A	CROSSARM, WOOD	45 ea
43-B	C226998	1 bx
43-B	C590086	1 bx
43-B	C590683	1 bx
43-B	C590006	1 bx
41-A	C221544	1 rl
41-A	C590912	1 rl
40-A	6145-112-8692 Cable, 2-12,	2 rls
38-A	C590912	1 bx
36-A	258-FEA-UL82-6461-NP-108A7	2 bxs
36-A	6145-112-8691, Cable 2 pr	2 rls
35-A	19-R2-KH31-4-AOJT-2243-187A8-K	5 bxs

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ROW #170 (Cont'd)

BAY		AMOUNT
35-A	160-PAF-XB98-2243-AACS5-051A8	1 bx
33-A	C590577	4 bxs
31-A	C580179	8 bxs
29-A	C590061	9 bxs
25-A	10-R2-KH31-2A21T-6451-161AOK	2 bxs
27-B	MICRO-WAVE DISC 453-5070'	1 bx
27-D	SUU-TAW-3H-9690-AF-6	1 bx
27-D	SUU-TAW-3H-6189-AF-8	1 bx
27-D	4030-243-0373, Rod	2 bxs
24-A	459-FEA-NR40-6451-NP-22A9	12 bxs
21-A	KH31-161AO-K	2 bxs
18-A	55-FEAF-NACO-FEALF-721-PP	2 bxs
18-B	259-PAF-HW57-6000-AACS5-017A9	4 bxs
15-A	C0224033	1 bx
15-B	C227914	1 bx
15-B	C590505	3 bxs
15-B	C590912	1 bx
14-A	C590192	3 bxs
12-A, 10-A	C590422	12 bxs
9A	C580840	1 bx

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2875TH GEEIA SQUADRON (AMC)

UNITED STATES AIR FORCE
APO 323, San Francisco, California

REPLY TO
ATTN OF: ZPTS/AlC Hodge/29070 1 February 1960

SUBJECT: CE Scheme Locations

TO: ZPTI

The below listed schemes are stored in building 926 as follows.

Scheme	Location
CE55-FEA-ABAS-FEALF-PP-GA	1-A-14
CE-58-MTO-AC74-AACS5-4301-018A8	Rack B-45
459-SAO-AR82-5000-AACS5-010A8	1-C-8
58-SAO-AND-AACS5-164-GC	Rack B-46
459-SAO-AR82-5000-AACS5-010A8	1-C-19
OO-S2-AR82-N-2221-058A8-K	3-C-10
CE57-SAO-AND-SAMAP-1012/TT	202 Rack B-44
CESAO-AR82-5341-AACS5-019A8	202 Rack B-44
CE57-SAO-AR82-AACS5-5342-020A8	202 Rack B-41
CE160-SAO-AR82-6361-029A8	202 Rack B-44
SAC-AND-009A7	Rack D-45
CUA-AACS-623-R1	202 B-10
CE57-SAD-CUA-AACS5-8859B-ITC	1A-198-A-43
CE58-SAO-AR82-AMDPS-6328-013A7	202 Rack A-45
258-FEA-AY82-6461-NP-109A7	Rack B-46
OOR2-AY82-N-2221-095A8-K	3-A-10
258-FEA-AY82-6461-NP-109A7	1-C-10
CE55-FEA-AACS5-33A-OC	198-A-21
AY82-6461-NAMAP-109A7	Rack C-46
CE459-PAF-DV36-2247-AACS5-004A9	1-A 202-B-3
CE55-FEA-CLA-AACS5-43B-GS	5-A-15
160-PAF-ED15-2243-AACS5-085A8	198-A-41
CE54-PAF-ED15-AMDPS-030B8	202 Rack A-46
258-PAF-ED15-2220-AACS-045A8	1-A-22
CE359-PAF-ED15-B0011-066A8	198-B-21
CE258-PAF-ED15-2220-045A8	196-A-37
CE54-PAF-ED15-AMDPS-6341-010A9	202 Rack A-45
20-R2-ED15-( )-B-2000-113A8-K	7-A-1
56FEAL-CLA-SAMAP-905-PP-224188	Rack C-46
10-R2-ED15-4A-5T-N-2243-119A8-K	7-A-11
CE158-FEA-EV32-6451-002A7	198-A-23
160-PAF-0091-2201-PAGER017A9	3A-13 3A-14

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Scheme	Location
CE358-FEA-GS31-6461-NAMAP-104A7	Rack B-44
49-R2-HW57-2A217-R-6451-157A9-K	196A-22
HW57-C-3307-010A8	Rack D-46
HW57-157AH	1-E-17
259-PAF-HW57-6000-AACS5-017A9	196B-19 1-A to F-15 200-A17 202-A31-33 202-A25-28
CE58-FEA-HIC-AMCSM-2-008A8	198-A-19
CE359-FEA-JK57-B0011-001A8	198-A-24-27 198-A-42
55-MIO-HIC-MCSB-53-CP	7-A-9
KB07-6461-NAMAP-103A7	Rack C-45
CE55-FEA-ITZ-AACS5-220BS	200-A-43-45 202-B- 5-46 1-A7-A8 7-A-14 200-A37-38 195-A-45 7-A-12
CE357-FEA-KH31-2275-NAMAP-011A8	196-A-14 1-C-22 202-B-1 198-A-11 7-A-7
159-FEA-KH31-2278-NAMAP-020A8	1-C-17 200-A39-40
CE56-FEAF-ITAZ-NP-754-HF-FP	198-A-23
19-R2-KH31-4A05T-2243-187A8	196-A-35
KH31-161A0_K	1-F-17 1-E & F-22
CE460-PAF-KH31-2243-PAGER-093A9	198A-34-38
CE57-FEA-KH31-6462-NP-00820	202 Rack B-43
CE160-PAF-KH31-6300-076A8	202 Rack B-39
KH31-6461-088A7	C-44
CE458-PAF-KH92-AACS5-5372	198-B-13 198-A-25
49-R2-KH92-( )-B-2000-203A8-K	7-A-2
459-PAF-KH92-2000-AACS5-077A8	198-A-43 1-C-20 1-E-20 200-B-3
00-R2-KH92-N-2221-209A8-K	3-C-8
CE459-PAF-KH92-3000-078A8	198-A-23 196-A-10-11
CE56-FEA-CEN-AACS5-105-TN	198-A-23 196-A-8
CE458-FEA-KH92-2275-NP-009A8	198-A-17 202 A-47
CE458-PAF-KH92-5372-015A8	196-A-31-33
KH92-4A02-T-N-22221-210A8-K	Rack D-46
CE358-FEA-KH31-6461-NAMAP-091A7	1-A-202 B-15
00-R2-KH91-N-2221-222A8-K	3-A-9
CE57-FEA-JON-AACS5-157-GC	198-B-21
JOH-AACS5-157-GL	Rack D-45
159-FEA-KH31-2278-NAMAP-080A8	7-A-11
259-PAF-KH31-2247-AACS5-041A8	1-E-17
KN84-6461-106A7	Rack C-44
CE55-FEA-KAD-AACS5-4-IL	
160-PAF-K023-B0011-AMOPS-074A8	1-C-10
360-PAF-K023-B0011-NAOPS-007A9-360	3-A-12
CE-IRAN-B0011-KAD-001A1	5-A-16
360-PAF-K023-B011-AMOPS-006A9 (0091)	1-C-18
30-R2-K023-B-3000-154AC-K	2-A-14
CEL60-PAF-K023-B011-AMOPS-004A9	1-A-18
258-FEA-K023-6402-NAOPS-023A7	1-A-19

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Scheme	Location
CE284-PAF-K023-BC011-MAOPS-054A9	198-A-21
CE58-K023-AACS5-5347-087A8	198-B-38
CE158-FEA-K023-2 207-025A7	Rack B-45
CE160-PAF-KZ31-2000-AACS5-074A8	196-A-29 196-A-8
058-PAF-KZ31-R2221-NP-956A8	1-A-1
KIM-166-AC-227907	Rack 202 D-46
00-R2-KZ31-N-2221-280A8-K-K	3-B-8
160-PAF-KZ31-6300-AACS5-076A8	7-A-15 1-E-16
20-F2-LC66-( )-P-2000-395A9-K	7-A-1
CE458-PAF-LF48-2215-AACS5-079A8	1-A-19
CE57-FEA-47-NAMAP-2210-RR	Rack C-44
058-PAF -LH48-B0011-NP-952A8	5-A-15
10-R2-LH48-N-2221-295A8-K	3-B-9
CE160-PAF-LH48-200-AACS5-072A8	198-A-13 7-A-12 195-A-45
CE160-PAF-LH48-5000-073A8	196-A-15-17 1-C-8
459-PAF-NR40-645-NP-22A9	196-A-36 1-C-22
CE56-FEA-MIS-6IL	12-14
31-R2-NT15-N-2220-453A9-K	1-A-200 A-7-10 202-A-16
	200-A-48 196-A-40 198-A-38
CE-0D0-PAF-NT15-A0011-PACCER-00294A9	200-A-47-50
CE160-PAF -NT15-2000-AACS5-019A9	200-A-41 196A-15-17
	1-C-16 196-A-38
CE259-PAF-NT15-6652-017A9	198-A-15
10-R2-NT15-( )-N-2000-448A9-K	198-A-2
UDU-PAF-NT15-A0011-00294A9	202A-52-54
NT57-FEAL-727A-FF-221279	Rack C-46
D 057-FEA-NT57-6461-NAMAP-110A7	202 Rack D-44
00-R2-0148-N-2221-347A8-K	3-C-9
CE459-PAF-0L48-2247-005A9	196-A-15-17
CE58-FEA-0L48-AMOPS-6371-003A7	Rack B-45
CN55-FEA-NAH-AACS5-7-IL	196-A-45
00-R2-PU75-N-2221-380A8-K	3-A-8
058-PAF-PU 75-A0011-NP-884A8	198-A7-10 202-A25-28 202-A30-36
	202-A19-21 202-B55-57
PU75-B-0011-379A8-K	202-A-55-60
CE58-PU75-AACS5-173-GC	196-A-15-17
29-R8-PU75-1B208I-C-3652-539A9-K	1-A-200-A-11-16 202-A6-1
058-PAF -PU75-A0011-NP-883A8	1A-202A-12-14 1-E-19 202-B-2
058-PAF-PZ99-B-0011-NP-951A8	200-A-41 198-A-38
CE57-FEA-SZ40-6462-NP-00813	202 Rack B-40
CE57-FEA-43-NAMAP -814-RR	202 Rack C-41
CE258-FEA-TU15-6461-NP-084A7	202 Rack B-44
259-PAF-VD68-6655-AACS5-135A9	5A-R-9
CE20-F2-WJ74-C-9000-00IA9-K	198-B-21
00-R2-VJ74-N-2221-407A8-K	3-B-10
CE-57-FEA-TAC-AACS5-146A	198-A-21
457-PAF-VL24-6461-AMOPS-030A8	202 Rack A-46

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Scheme	Location
CE59-PAF-VL31-AMDPS-6371-057A9	1-B-19
CE57-EA-FEA-VL31-AMDPS-6311-002A7	1A-196A-42
258-FEA-VL35-6461-NAMAP-06A7	1-C-22
CE258-FEA-VL35-6461-086A7	1A-202-B-1
CE058-MAD-VJ74-A0021-NP-771A7	1A-202-A-21-24 1-A-20 200-A-20-26
CE258-FEA-VL82-6461-NAMAP-108A7	1-D-19 200-A26-29 200-A18-19
CE57-FEA-TOR-NAMAP-821-TCO	198-B-15 196-A-15-17 200-B-36
CE57-FEA-TOR-NAMAP-8-TCO	1A-196-A-8
CE357-FEA-Y07-6461-NAMAP-107A9	202 Rack B-44
FEA-42-NAMAP-816-RP-581530	Rack C-46
WD7-6461-NP-111A7	Rack C-46
CE258-FEA-XB98-1155 -AMDPS-003A7	Rack B-44
29-R2-XB-XB98-2A23T-X-1105-455A8-K	1-C-19
160-PAF-XB98-2243-AACS5-051A8	198-A-36
CE55-FEA-YOK-AACS5-9-IL	5-A-16
359-PAF-YF99-2220-AACS5-008A9	9-A-10
CE58-FEA-YOK-AACS5-268GS	Rack B-44
CE29-R2-YF99-4A04T-N-2226-262A8-K	200-A-41
CE29-R2-YF99-4A04T-N-461A8	200-A-41
459-SAC-YF99-2207-NP-13A9	3-A-11
29-R2-YF99-4A04T-N-2226-465A8-K	200-A-41
30-R2-YF99-4A04T-N-2226-677A9-K	200-A-41
CE160-FEA-YF99-2278-NP-019A8	196-A-29-33 7-B-7
159-PAF-YI48-B0011-AMDPS-070A8	1-D-19
BOSS SAW (Special Projects) Contract # AF30 (635)-5013 Item 1047	1-C-14 1-E-21

A TRUE COPY:
Joel H. Fenster
JOEL H. FENSTER, 2/Lt, USAF
Certifying Officer

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2875th GEEIA Squadron
Pacific GEEIA Region (AMC)
UNITED STATES AIR FORCE
APO 323, San Francisco, California

REPLY TO
ATTN OF: ZPTC

29 March 1960

SUBJECT: Shipment of CE Schemes

TO: PACCER (ZPC)

1. The 2875th GEEIA Squadron on 21 March 1960 received shipment of CE Scheme materiel per attachment one. Telephone conversation between Major Calbraith and Mr. McGrath 24 March 1960 revealed that this scheme was not the responsibility of the 2875th GEEIA Squadron.

2. This is the third time in recent weeks equipment has been shipped to the 2875th where it is obvious that the RPO was not a member of this squadron. As in the past this shipment will be diverted to the end location.

3. These (and possibly other) misrouted shipments may be the result of conflicting information in block 2, section 1, DD Form 1149, "ship to mark for". The attached DD Form 1149, for example, shows Fuchu Air Station, Japan (AFB 5200) as the destination, with the CE Scheme for identification. This appropriate and adequate address is complicated and confused with the entry, F/W/F 2875th GEEIA Squadron, Attn: Major Woodruff, RPO Representative.

4. Suggest this situation be brought to the attention of ROAMA and other shipping agencies so that immediate and effective marking and addressing procedures may be implemented.

CHARLES L. CALBRAITH
Major, USAF
Commander

1 Atch
a/s

A TRUE COPY:
Joel H. Fenster
JOEL H. FENSTER, 2/Lt, USAF
Certifying Officer

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Ltr, HPTC, 2875th GEEIA Sq, APO 323, 29 Mar 60, Shipment of CE Schemes

1st Ind (APS)

Hq Pacific GEEIA Region (AMC), APO 323

TO: ROMTA (ROSX, Mr. Ward), Griffiss AFB, New York

Forwarded as a matter of your concern so that necessary corrective action can be taken to preclude reoccurrence.

FOR THE COMMANDER:

s/John E. McGrath
JOHN E. MCGRATH
Acting Director of Materiel

1 Atch
n/c

A TRUE COPY:
Joel H. Fenster
JOEL H. FENSTER, 2/Lt, USAF
Certifying Officer

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Ltr, ZPTC, 2875th GEEIA Sq, APO 323, 29 Mar 60, Shipment of CE Schemes

2nd Ind (ROSNHA2/Mrs. S. Buda) 21 Apr 1960

Hq ROMA Griffiss AFB, N. Y.

TO: Pacific GEEIA Reg (ZPS), APO 323, S. F. California

1. In accordance with Pacific GEEIA Region letter dated 25 Jan 60 shipping instructions for subject scheme did not give mailing address for RPO. This activity was advised by Hq GEEIA to use 2875th for Installation Sq. There were other schemes shipped in the same category at this time. (CE Scheme CE29-R2-JK57-1B0282-C-3602-0502BO-K, CESD K3600791, Scheme CE29-R2-JW57-1B0182-C-3602-0501BO-K, CESD K3600792, and Scheme CE29-R2-K023-1B0282-C-3602-0503BO-K, CESD K3600793.)

2. This activity could be in error in marking DD 1149 in Ship to: and Mark for: block. Example: Ship to: Aerial or Water Port, Mark for: Appropriate Base, Scheme and CESD Nr., Further Mark For: Appropriate Squadron and RPO. This could possibly consuse recipient in using F/W/F Sq. and RPO. ROSNHA could remedy this by marking squadron and RPO as Attention in liew of F/W/F. This would elimiate the possibility of confusion or transfer of material at end destination.

FOR THE COMMANDER

ROSCO A. HILL
Acting Chief, Stock Control Processing Br.
CESAC Division

1 Atch
n/c

Copy to: 2875th GEEIA Sq.
Tachikawa AB, Japan

A TRUE COPY:
Joel H. Fenster
JOEL H. FENSTER, 2/Lt, USAF
Certifying Officer

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2875th GEEIA Squadron
Pacific GEEIA Region (ANC)
UNITED STATES AIR FORCE
APO 323, San Francisco, California

REPLY TO
ATTN OF: ZPTS/Capt Knight/28692 28 Apr 1960

SUBJECT: Addressees on Materiel Shipments

TO: PACGER (ZPS)

1. The attached document has been removed from a package which contained replacement items of "Shop Stock".

2. To be noted on the shipping label in the "Ship to" section in the first line is "AFD 2337", etc, and on the last line is "Attn: Maj Charles Galbraith". On the left of the shipping label is the "insured" stamp placed by post office personnel.

3. In delivering this package postal personnel would first contact AFD 2337 and if depot personnel where not observant this package of sorely needed material might be mislaid for an indefinite time. This situation might be averted, but in so doing snother problem posed. Postal directives require the signature of the individual specified to properly complete their procedures. In this case the absence of an individual could prevent the delivery of material.

4. Your assistance is requested in presenting this problem to shipping agencies and recommending a satisfactory alternative addressing procedure.

5. It is suggested the use of pre-printed shipping labels be discontinued. This will eliminate the appearance of AFD and AFB numerical designators who are not concerned with this type of transaction. Additionally we suggest eliminating the use of an individuals name and utilizing instead the office designation. This should prevent shipments from being diverted thru postal procedures to follow an individual on PCS or TDY status.

FOR THE COMMANDER

ALVIN G. MORELAND
Captain, USAF
Chief, Administrative Services

1 Atch
Shipping label

Copy to: ZPC

A TRUE COPY:
Joel H. Fenster
JOEL H. FENSTER, 2/Lt, USAF
Certifying Officer

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Ltr, 2875th GEEIA Sq (ZPTS) APO 323, 28 Apr 60, Addressees on Materiel Shipments

1st Ind/ZPSM 10 May 1960

Hq Pacific GEEIA Region, APO 323

TO: ROMIA (RCSM), Griffiss AFB, N.Y.

1. This headquarters concurs in recommendations in paragraph 5 basic communication.

2. In addition RPO procedures do not include shipment to AFD or AFB account numbers. Shipments should be to Transportation Officer of base concerned and Marked For SNY 8168, RPO and applicable scheme.

3. Request shipping data on your labels and documents be reviewed and references to AFB or AFD be deleted.

FOR THE COMMANDER:

JOHN B. McGRATH, DAFC
Acting Director of Materiel

1 Atch
n/c

Copy to: 2875th GEEIA Sq (ZPTS)

A TRUE COPY:
Joel H. Fenster
JOEL H. FENSTER, 2/Lt, USAF
Certifying Officer

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2875th GEEIA Squadron
Pacific GEEIA Region (AIC)
UNITED STATES AIR FORCE
APO 323, San Francisco, California

REPLY TO
ATTN OF: ZPTS/Capt Knight/23692 20 May 1960

SUBJECT: Insured Parcel Post Packages

TO: 1st Air Postal Sq (Postal Officer)
APO 929

Det 4, 1st Air Postal Sq
(Postal Officer)
APO 328

1. A shipping document has been received from APD 2222, ROAMA GAFB N Y (CESAC). This document shows that C&E material has been sent by parcel post, insured number 19-2620, with the address as follows:

TO: APD 2222 / SNY 8168

SHIP TO HOLD FOR: HF: ITAZUKE AB, JAPAN (APO 5235) 6872 AIR
SCHEDS 11-R2-KH3100-1F017-M2274-0541AC-K, CESD K2600487
ATTN: RPO CAPT DAVID KNIGHT, 2875th GEEIA SQ
ACCT. SNY 8168

2. GEEIA directives and the GEEIA Responsible Property Officer system provides that a member of the installation team will be delegated on special orders as the RPO's designated representative with authority to claim materials held by Base Supply Accounts and Transportation Officers for specific C&E Schemes.

3. Request we be advised if the designated representative may receipt for this insured package by presenting a copy of his orders or if such is prohibited by postal regulations.

FOR THE COMMANDER:

ALVIN G. MORRIMED
Capt, USAF
Chief, Administrative Services

A TRUE COPY:
Joel H. Fenster
JOEL H. FENSTER, 2/Lt, USAF
Certifying Officer

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Ltr, 2875th CEEIA Squadron, APO 323, 20 May 60, Subj: Insured Parcel Post Packages

1st Ind 26 May 1960

Det 4, 1 Air Patl Sq, APO 328

TO: 2875th CEEIA Squadron, APO 323

1. Insured package 19-2618 was delivered to APB 5209 on 9 May 1960.

2. To avoid delay in delivery, advise you request APB 2222, ROMA, CAFB, N. Y., to mail packages directly to your organization or to APB 2337. Tachikawa Air Base, Japan.

CHARLES A. SNYDER
1st Lt, USAF
Commander

A TRUE COPY:
Joel H. Fenster
JOEL H. FENSTER, 2/Lt, USAF
Certifying Officer

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2075th GEMIA Squadron
Pacific GEMIA Region (AMC)
UNITED STATES AIR FORCE
APO 323, San Francisco, California

REPLY TO
ATTN OF: MPTC/Capt Knight/28692 2 Jun 1960

SUBJECT: GEMIA RPO System Difficulties

TO: PACGER (MPS)

1. On 20 May 60 a team chief at Itazuke Air Base, while working on a project was called by the Transportation Officer and advised of the arrival of CE Scheme Material marked for CE Scheme 11-R2-MM31-1F017-M-2274-5414O-K.

2. The Transportation Officer advised the team chief the material could not be held or stored under existing Transportation directives and unless signed for and removed would be returned to the shipper. The team chief decided in the best interest of the RPO system to accept the material and so advised this office.

3. In checking the scheme number it was determined there had been no work directive issued. An RPO folder had been received with indication the material had been shipped parcel post, insured. A letter has been sent to destination in this regard to determine who would be entitled to receipt for this insured package. A copy of this letter is attached.

4. These problems are presented for your review and evaluation.

a. CE Scheme material arriving at destinations will not be held or stored by Base Supply or Transportation Activities.

b. RPO's designated representatives (team chiefs) are required to receipt for materials and obtain storage space under very trying and sometimes impossible circumstances.

c. Insufficient advance information is received from PACGER on CE Scheme releases and ROUTA on shipments to permit dispatch of personnel to act as receivers.

FOR THE COMMANDER

ALVIN G. MORELAND
Captain, USAF
Chief, Administrative Services

1 Atch
Ltr, 2075th GEMIA Sq
Ins Parcel Post Pkg (1 cy)

A TRUE COPY:
Joel H. Fenster
JOEL H. FENSTER, 2/Lt, USAF
Certifying Officer

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2875th GEEIA Squadron
Pacific GEEIA Region (AMC)
UNITED STATES AIR FORCE
APO 323, San Francisco, California

REPLY TO
ATTN OF: ZPTS/Capt Knight/28692 12 May 1960

SUBJECT: Disaster Stock Shortages (CE20-20F-2VJ-74-C9000001-A9K)

TO: ROAMA (ROSX)
Griffiss AFB, NY

1. The attached listing reflects the quantity on hand for each line item of disaster stock. There are 80 line items with a zero balance and some line items with a partial balance.

2. Request we be advised of the action taken to ship these materials to this location. The season is rapidly approaching wherein these supplies may be urgently needed.

3. Your expeditious reply is requested.

FOR THE COMMANDER:

ALVIN G. MORELAND
Captain, USAF
Chief, Administrative Services

1 Atch
Disaster Stock List

A TRUE COPY:
Joel H. Fenster
JOEL H. FENSTER, 2/Lt, USAF
Certifying Officer

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2875th GEEIA Squadron
Pacific GEEIA Region (AMC)
UNITED STATES AIR FORCE
APO 323, San Francisco, California

REPLY TO
ATTN OF: ZPTS/Major Knight/26092 24 June 1960

SUBJECT: Request for Increased Manpower

TO: ZPTA

1. It is requested that appropriate action be taken to increase the strength of this section in the following areas.

AFSC	Grade	Position Title	Qty
64770	MSgt	Warehouse Supervisor	1
64750	SSgt	Warehouse Specialist	1
64750	A/1C	Warehouse Specialist	3
55250	SSgt	Carpenter	2
60251	A/1C	Freight Traffic Spec	1

2. These eight (8) positions shown as excess on the April Manning and Informational Roster were unexplained deletions from the previous UMD, (and M&I Roster), and cannot be considered as excess to the unit. Their retention is required to perform the workload in support of the existing mission.

a. Warehouse Space Occupied---------- 36,466 sq ft.

b. Line Item Count, Total ---------- 1765

(1) UAL (Mission Equip) ---------- 330

(2) Non-UAL (Tools & Personal Equip) ---- 300

(3) CE Schemes in Storage ---------- 267

(4) Non-Scheme Stocks ---------- 300

(5) Disaster Stock ---------- 193

(6) Shop Stock ---------- 68

(7) Carpenters Bench Stock ---------- 70

(8) Instrument Shop Bench Stock --------- 237

c. Tonnage (monthly average) ---------- 133,965

d. Packages, Crates & Boxes (Monthly avg)--- 184

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3. A long range forecast of manpower requirements is not possible due to the uncertainties and unknowns of future warehousing and of the proposed manning of Pacific GEEIA Region. Should increases be realized in line items and tonnage additional manning will be required and duly requested.

DAVID V. KNIGHT
Major, USAF
Chief, Supply & Services

A TRUE COPY:

Joel H. Fenster

JOEL H. FENSTER, 2/Lt, USAF
Certifying Officer

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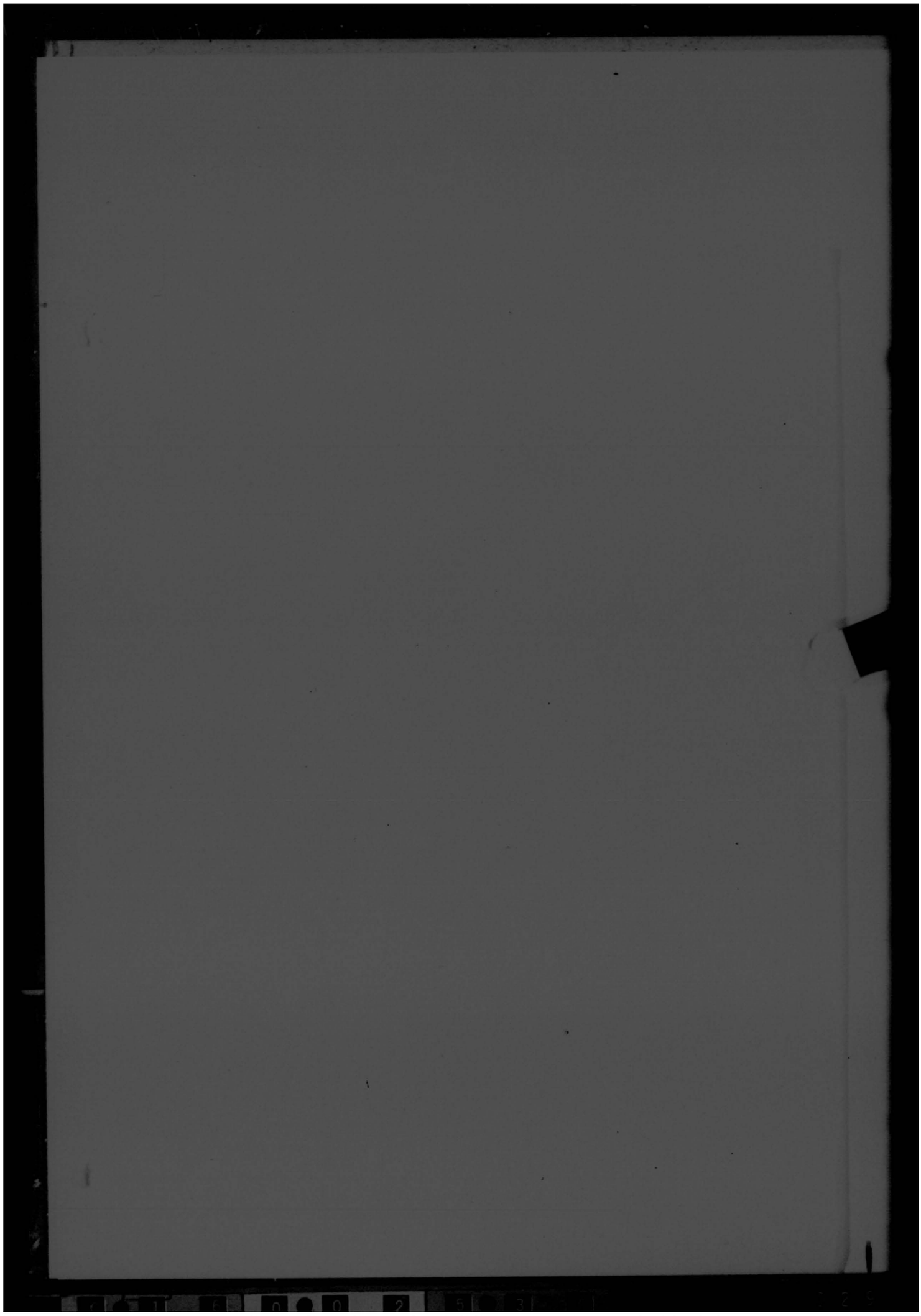

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SEMIANNUAL HISTORICAL REPORT

REPORTS CONTROL SYMBOL: AFCS

1. NAME OF UNIT: European CEEIA Region
2. LOCATION: Wiesbaden, Germany
3. FROM 1 Jan 60 THROUGH 30Jun60

4. NAME AND LOCATION OF NEXT HIGHER HEADQUARTERS
CEEIA, Griffiss Air Force Base, New York

5. PERSONNEL STRENGTH (Last day of reporting period)

	OFFICERS	AIRMEN	CIVILIAN DAF	CIVILIAN CTS	CIVILIAN LWR	TOTAL
AUTHORIZED	23	83	27	64	7	204
ASSIGNED	27	98	23	52	10	210
ATTACHED						

6. STATEMENT OF MISSION INCLUDING CHANGES (Continue on separate sheet)
1. To implement the engineering and installation portion of the Ground Communications and Electronics Program within the assigned area of responsibility utilizing the resources of four installations Squadrons. The Region will perform such other functions as directed by Headquarters CEEIA.

2. Communications Electronics facilities are identified to include outside plant, radio, radar, and navigational aids.

3. Geographical areas of responsibility are identified as the United Kingdom, Europe, North Africa, Middle East and those MAP countries as directed by Headquarters CEEIA.

7. ORGANIZATIONAL CHANGES INCLUDING REASONS FOR CHANGE (Continue on separate sheet)
During this reporting period, there were no organizational changes of sufficient importance to warrant inclusion in this report.

AMC FORM 268 SEP 58 /Emergency Reproduction/CHAS/4-20-59-/2000/ PAGE 1 OF 3 PAGES

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8. ADMINISTRATIVE PROGRESS AND PROBLEMS (Continue on separate sheet)

ADMINISTRATION:

1. Our main efforts have been directed toward improving the quality of correspondence, reducing message transmission, simplifying and standardizing procedures and administering the Records Management Program. This has been accomplished by meetings, publication of directives (28 HOI's, Regulations and Supplements pertaining to Administration), office visits and personal contacts. As a result, the quality of our correspondence has improved and is considered satisfactory, and an adequate Records Program is in effect.

2. The volume of correspondence processed in and out of the Headquarters increased by approximately 35%. This represents a 300% increase within the past year.

3. AMC initiated a project (Project Paper Weight) to reduce records holdings by 25%. The exercise terminated in April and European GEEIA Region had a 19% reduction. This indicated a sincere effort since this is a comparatively new organization and most records are current and building-up, making any reduction difficult.

4. Personnel of this Headquarters participated in Personnel and Administrative Staff visits to the 2871st and 2872nd GEEIA Squadrons, which proved informative and beneficial to all concerned. All phases of administration were thoroughly reviewed and discussed and numerous operational problems were solved. The visits identified problem areas pertinent to all squadrons and enabled us to offer assistance where most needed. It was noted in the recent GEEIA IG Inspection that most discrepancies noted during our visits had been eliminated.

5. A study was initiated to determine how best to use our CTS resources. Orders are being issued to start the movement of certain CTS personnel from the Squadrons to this Headquarters for use in the Directorates of Engineering and Installations. One CTSP will remain in each Squadron to provide technical advice, training and on-the-spot engineering when required. The gradual integration of these resources is expected to be completed by 1 January 1961.

PERSONNEL:

1. January 1960. Through a survey conducted by GEEIA, it was learned that this command received the lowest percentage of discrepant airman performance reports during the period 1 October 1959 to 1 December 1959. This percentage

9. MISSION PROGRESS AND PROBLEMS

Achievements and problems are listed by Staff Offices having responsibility for primary mission accomplishment.

PLANS AND PROGRAMS:

1. As of the beginning of this period, the engineering and installation workload from the European area had been completely absorbed excepting C-E Scheme preparation and installation authorized for USAFSS. At the beginning of the period it appeared that the absorption may have been too complete because customer commands in the theater were beginning to repeatedly request engineering, installation and modernization of facilities which were not within the scope of GEEIA responsibilities. We had received urgent and repeated requests for engineering, installation and modernization of such facilities as AP C-E facilities, tactical AC&W systems, tactical radio communications systems and AFRS radio transmitters and antennas. We have continued to receive requests for modernization and rehabilitation of antenna systems furnished as UAL equipment or for which the operating command retained outside

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however, including those attained by other GEEIA Regions, did not cover minor errors which had been corrected at that Headquarters in an effort to hold down the number of turn-backs.

Due to the distant locations of our four squadrons from the Headquarters, coupled with mailing delays, the degree of reporting effectiveness, particularly in the area of RCS reports, had been erratic in the past. To improve this area, a revised reporting system was put into effect to (1) Establish dates which the various reports are to be mailed from the units. These dates were advanced to allow for an adequate "in-transit" period; review and/or consolidation of data at Region level, and insure sufficient mail time to other reporting echelons within their established due-in dates; (2) have commanders or their designated representatives insure that the mail dates are factually recorded on the front of each envelope transmitting reports; (3) allow this Headquarters to conduct a monthly survey to compare the reporting effectiveness of each unit.

A staff visit was made to the 2872nd GEEIA Squadron. During this visit, the Headquarters team rendered assistance in the major areas of Personnel and Administration. It also gave this division a better insight of the circumstances, problems and conditions faced by that unit.

In the past, this division had been responsible for manpower activities. With the assignment of MSgt Donald Wilson, AFSC 73370, during the month, a Manpower and Organization Division was added to the Office of Personnel and Administration.

2. February 1960. The Deputy Chief, Office of Personnel and Administration and NCOIC, Personnel Division attended a GEEIA Personnel Conference held at Griffiss Air Force Base, Rome, New York, from 26 to 29 February. All major subjects of Personnel, Manpower and Manning were discussed at considerable length.

Headquarters GEEIA notified this command that all future projects dealing with communications security equipment for scheme preparation and installation, will be delegated to the GEEIA Regions. In anticipation of manning requirements associated with this program, it became necessary to identify those airmen within our own resources, who would be suitable for retraining into AFSC 306X0. A total of three airmen were eventually selected and scheduled for special training (TSEC-KW-26) at Headquarters USAFE AACS training facilities in Crougaton, England.

Changes to AF Manuals 35-1 and 36-1 were received which authorized the conversion of warrant officer specialties into appropriate officer specialties. Conversions were completed for all warrant officers assigned to this command.

3. March 1960. On 1 March 1960, the following number of airmen were promoted to grades indicated:

Number	GRADE	Career Field Sub-Division
1	SSgt	303
1	SSgt	304
1	A1C	222
13	A1C	361
1	A1C	303
7	A1C	304
2	A1C	702
9	A2C	___

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European GEEIA Region Supplement 1 to GEEIA Regulation 39-1 was published on 22 March 1960. This supplement established command procedures for the conduct of airmen promotions.

4. April 1960. European GEEIA Region Regulations 32-1 and 32-2 were published on 27 April, establishing the Command Ground Safety Program.

The Selective Retention Program for First Term Airmen (Project 55-45) was started during the month. Only three airmen of this Headquarters were eligible for consideration during Fiscal Year 1961.

A message was received from GEEIA instructing this command to identify officers falling within the purview of Project 20-10 (Controlled Retirement of Reserve Officers) for Fiscal Year 1961. Two officers within the Region were eligible, but both decided to continue on active duty at this time.

A staff visit to the 2871st GEEIA Squadron was made. In line with a previous visit to the 2872nd GEEIA Squadron, the staff members offered guidance and assistance in the major areas of Personnel and Administration.

A representative of this division was placed on 4 days temporary duty to Headquarters AMFEA to coordinate RCS reporting procedure and requirements.

5. May 1960. Activities of the Division during May were mainly devoted to the following areas: personnel records, on-the-job training, ground safety, and Project Top-Notch.

GEEIA message ROZAMAS 5-81-E was received advising that pending a formal change to paragraph 15f(1) Part One, Chapter 2, AMC Supplement 1 to AFM 35-11, the authority delegated to Region Commanders for granting extensions to overseas tours up to 48 months was revoked. All future requests are to be forwarded to that Headquarters for approval. To facilitate decisions by Headquarters GEEIA, a standard mimeographed indorsement was established which will include recommendation by this Region, projected manning of units concerned, and any other pertinent data.

Renewed emphasis was placed on Ground Safety reporting. Each unit was required to consult appropriate base agencies to determine whether any reportable incidents had gone unreported during the period 1 January through 30 April 1960.

6. June 1960. All personnel on OJT and all NCOs of the Region Headquarters attended a showing of two training films entitled "Strength of the Chain". The Region OJT officer and NCO then explained the various highlights on the OJT program to all trainees and supervisors.

A revised AFR 39-62, dated 15 April 1960, was received containing many procedural changes on airman performance reports. In the absence of specific supplemental instructions from Headquarters GEEIA, a letter was dispatched to all units directing compliance with the new directive. However, to retain effective reporting, units were encouraged to continue certain previously established requirements until further instructions were received from higher Headquarters.

Air Force Manual 35-7 has been received. First person in the command to be processed under this new retirement manual is Major Powell of this Headquarters, who is scheduled for retirement on 31 December 1960.

The following number of airmen were promoted to grades indicated on the 1 June 1960 Airman Promotion Program:

Headquarters, European GEEIA Region: TSgt 1, SSgt-2, A1C-1, A2C-2
2871st GEEIA Squadron: A1C-1, A2C-1
2872nd GEEIA Squadron: TSgt-1, SSgt-1, A1C-3

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2873rd CEEIA Squadron: MSgt-1, TSgt-1, A1C-3, A2C-1
2874th CEEIA Squadron: A1C-2, A2C-2

On 1 January 1960, the manning strength of this command was as follows:

CAT'S-GORY	HQ EUR CEEIA REGION		2871 CEEIA SQUADRON		2872 CEEIA SQUADRON		2873 CEEIA SQUADRON		2874 CEEIA SQUADRON	
	Auth	Asg	Auth	Asg	Auth	Asg	Auth	Asg	Auth	Asg
OFF	23	18	4	4	5	4	5	3	6	6
AMN	83	46	72	56	94	72	67	77	199	155
DAF	22	18	1	1	2	2	2	2	1	1
LWR	11	9			6	6	4	4	4	1
CTS	35	34	7	7	6	6	7	7	3	6
TOTAL	174	125	84	68	113	90	105	93	213	169

As of 30 June 1960, the manning strength of the command was as follows:

CAT'S-GORY	HQ EUR CEEIA REGION		2871 CEEIA SQUADRON		2872 CEEIA SQUADRON		2873 CEEIA SQUADRON		2874 CEEIA SQUADRON	
	Auth	Asg	Auth	Asg	Auth	Asg	Auth	Asg	Auth	Asg
OFF	25	27	4	3	6	4	5	3	6	9
AMN	83	90	72	53	94	94	67	70	119	196
DAF	27	23	1	1	2	1	2	2	1	1
LWR	7	10	0	0	6	5	4	2	4	4
CTS	64	52	3	3	5	5	7	7	3	3
TOTAL	204	210	80	60	113	109	105	85	213	215

7. Special Items. Pending formal approval of plans to inactivate the 2871st CEEIA Squadron, this division began preparation for the disposition of personnel assigned to that unit. Individuals who have sufficient service retainability were ear-marked for assignment to other European CEEIA units. Remaining personnel will be returned to the Zone of Interior on normal rotation. Personnel programmed for assignment to the proposed Athens Operating Location were selected on the basis of recommendations, maximum retainability, and need for high caliber types. (Letter ZEAP, 24 June 1960, Subject: Disposition of Personnel Due to Inactivation of 2871st CEEIA Squadron provided specific instructions to the commander of that unit.)

On-The-Job Training. European CEEIA Region Supplement 1 to AFR 52-2 was published on 21 June 1960, establishing command procedures on the OJT Program. During April 1960, a letter was dispatched to all squadron commanders outlining the basic principles and procedures of this program. The five main points covered were:

Quality selection of OJT officials
Records maintenance
Quality of Training
Effective training controls
OJT as a continuing management function

RCS Reports Evaluation. A monthly RCS Reports Evaluation was started in April 1960. Its purpose was to measure the degree of reporting effectiveness made by all units. Evaluations are arrived at taking into consideration the

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number of reports delinquent, erroneous, not received, or prepared in insufficient copies. In comparing the results of the April and May evaluations, a reporting effectiveness improvement of 12% was noted. Letter ZBAP, 7 June 1960, RCS Reporting Effectiveness explains the method of computation used in determining evaluation.

Authorizations for Personnel Division and Headquarters Squadron Section. UMD Change Requests have been submitted to increase authorizations within the Personnel Division and to establish a Headquarters Squadron Section. At present, this division is authorized the following positions:

Nr	AFSC	Grade	Title
1	73270	TSgt	NCOIC
1	73250	A1C	Personnel Specialist
1	73250	SSgt	Personnel Specialist
1	73230	A2C	Apr Personnel Specialist

Increase in spaces requested are as follows:

PERSONNEL DIVISION

Nr	AFSC	Grade	Title
1	73270	MSgt	NCOIC
1	73270	TSgt	Ground Safety NCO
1	73250	SSgt	Officer Actions Clerk
1	73250	SSgt	Airman Actions Clerk
1	73250	SSgt	Region Manning NCO
1	73250	SSgt	Region Training NCO
1	73250	A1C	RCS and Special Actions Monitor
1	73230	A2C	Apprentice Personnel Specialist
1	70230	A2C	Administrative Clerk

TOTAL 9

HEADQUARTERS SQUADRON SECTION

1	73170	MSgt	First Sergeant
1	73250	SSgt	Records Clerk
1	73250	A1C	Payroll Clerk
1	73250	A1C	Morning Report Clerk
1	70250	A1C	Chief Clerk, Unit Administration
1 TOT-6	73230	A2C	Apprentice Personnel Specialist

The following regulations and supplements were published:

European USAFIA Supplement 1, 14 April 1960, to AFM 35-1. Paragraph 32C, Chapter 7, Part One, was expanded to insure that commanders exercise caution and discretion when recommending award of 9 level AFSCs to E-7 personnel due to the effect on input of E-8's and E-9's. Awar of the 9-level PAFSC to a MSgt will preclude subsequent assignment of an E-8 or E-9 to fill the authorization.

European USAFIA Supplement 1, 21 June 1960, to AFM 35-9. Chapter 7 of the manual was supplemented to provide records annotation controls and distribution of thermofaxed copies of AF Forms 11.

European USAFIA Region Supplement 1, 26 April 1960, to AFR 39-45. Various paragraphs of the directive were expanded upon to insure that proper and timely actions connected with the Proficiency Pay Program are accomplished.

European USAFIA Region Supplement 1, 10 May 1960, to AFR 36-15. The directive was supplemented to establish records procedures for officers connected with Project M.

European USAFIA Region Regulation 32-1, 27 April 1960. This directive was formed to provide for the establishment and administration of a Ground Safety Program to limit the frequency of accidental injuries to military and civilian personnel and damage to Air Force equipment. It also provides the administrative policy for prevention, analysis and reporting of ground accidents.

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European GEEIA Region Supplement 1, 9 June 1960, to AFR 32-2. This directive provides supplemental instructions for the preparation of ground safety accident reports.

European GEEIA Region Regulation 32-2, 27 April 1960. Purpose of this directive is to establish the ground safety responsibilities of supervisory personnel within the command.

European GEEIA Region Supplement 1, 22 March 1960, to GEEIA Regulation 39-1. This supplement delegates promotion authority of airmen to the grades of E-4 and below to squadron commanders and established procedures for the proper conduct of this program.

European GEEIA Region Supplement 1, 2 February 1960, to AMCR 35-2. This directive clarifies reporting of items on the Project Top-Notch Report, AMC Form 3.

MANPOWER AND ORGANIZATION:

1. General. The Manpower and Organization Division became a functioning component of the Office of Personnel and Administration on 20 January 1960. A review of the current manpower situation revealed that Region Commanders, staff officials, and supervisors were making every effort to achieve realistic manpower programming, including the determination of appropriate skill and grade levels for manpower authorizations required. The one Major obstacle towards establishing firm manpower requirements had been, and is, the non-availability of engineered manning standards. Consequently, it has been necessary to rely on experience and judgement factors in conjunction with existing records of manhours expended in the past as a means of verifying or adjusting the manning of the European GEEIA Region. Although this method has its limitations and disadvantages, it has proven sufficiently accurate pending the development and implementation of more precise techniques. The Manpower and Organization Division does not have the capability of undertaking such a time-consuming and expensive program.

2. Manpower and Organization.

a. The Manpower Program accounted for a major share of the Division workload during this period. The primary objective of the Manpower and Organization Division during the first six months of operation was to achieve maximum stability of European GEEIA Region Unit Manning Documents. This was to have been accomplished by means of the UMD Change Request system. With the cooperation of commanders, staff personnel, and supervisors, Umit Manning Documents were subjected to the closest scrutiny, and when justified, AFSC conversion and/or manpower redistributions were made and submitted to Headquarters GEEIA for approval. The following major manpower and organization actions were monitored by this Division:

(1) Preparation of Mission Statement for the European GEEIA Squadrons, Field Offices, and Project Light-Up Offices.

(2) Establishment and Manning of: the Southern Field Office in Spain; Detachment Number 1, 2872d GEEIA Squadron at Athens, Greece; Project Light-Up Offices at Greece and Turkey; and Headquarters Squadron Section, European GEEIA Region.

(3) Preparation and publication of "Organization and Functions Book" which contains the official organizational structure and statement of functions of the Headquarters European GEEIA Region.

(4) Allocation and redistribution of manpower authorizations to support the additional Security Services workload created by the implementation of CEIPS 1 E0081 and 1 D04N, and Projects QUICKCOM and QUICKFIX (AIRCOM Modernization).

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(5) Transfer of the Region Engineering capability to this Headquarters to conform with the policy of a strictly installations capability in European CEEIA Squadrons.

(6) Discontinuance of the 2871st CEEIA Squadron and redistribution of Manpower authorizations within the European CEEIA Region.

b. Several difficulties were encountered by the Manpower and Organization Division which impeded efforts to stabilize Region Manning documents. CEEIA has taken corrective action with respect to time phasing, consultations on additions and deletions of manpower, allocation of grades, and overall communications on manpower subjects. However, another manpower problem still exists and that is the failure to expedite approval of Unit Manning Document Change Requests which require Headquarters AMC consideration. As of 30 June 1960, manpower actions on at least four UMD Change Requests (one as old as January 1960) were still outstanding.

3. Management. In view of the emphasis placed on the Manpower Program, very little activity has been devoted to management functions which are essential to a well-balanced Manpower Management Program.

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9. CONTINUED (Continue on separate sheet)

plant maintenance personnel. In each case it was necessary to attempt to provide assistance despite the theoretical lack of responsibility. In most cases a joint effort between region and the operating command was necessary.

2. This office had previously computed personnel requirements for the stated mission at 53 total. Near the beginning of this period confirmation was received that it would be impossible to approach this total requirement. It then became necessary to realign the mission statement and functions to bring them near the capabilities of authorized personnel strength. For this purpose the following actions were taken:

a. The function of contractual management was transferred to the Directorate of Materiel along with the single authorized space. This consolidated all procurement activities in one office. Despite this centralization the Financial Management Division was continually with problems in management of funds because a large nunber of the procurement requests were prepared and administered by local base BIE and procurement activities, and we had little control over either the total procurement requirement or obligation rates. As a result, it was necessary to establish a policy near the end of the period that all required procurement requests be initiated within this Headquarters. It is hoped that this policy will limit future troubles in this area.

b. The function of management analysis as originally conceived was eliminated entirely. This office will provide summaries of programming and funding information as necessary, interrupting the normal work flow to assemble data. It is hoped that future management through machine analysis of the ROAMA H-1 Report will provide much of the remaining necessary analysis.

c. An agreement was concluded with the Directorate of Engineering whereby engineering would perform all technical evaluation of CEIP's and AF Forms 524. Plans and Programs will continue to coordinate AF Forms 524 without engineering assistance only when there is no question of technical suitability or compatibility. Also C-E scheme directives will be limited to that information

10. ADDITIONAL REQUIREMENTS (Continue on separate sheet)

Negative

11. LIST OF SUPPORTING DOCUMENTS (Continue on separate sheet)

A. GENERAL ORDERS — See Attachment 1
B. ORGANIZATION CHARTS
C. MISSION DIRECTIVES
D. VITAL STATISTICS
E. ROSTER OF KEY PERSONNEL (Include position and date assigned)

PREPARED BY	APPROVED BY
L.L. HUBER, Capt., USAF	JOHN W. HOPE, Colonel, USAF, Commander

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furnished by the programming command with the engineer responsibility for CE Scheme preparation also responsible for obtaining the required utilization plan.

d. The Office of Plans and Programs ceased to monitor C-E scheme status except for the limited monitoring required to keep the PCSP accurate. Pending the development of a usable ROAMA M-1 Report, it was necessary to continue the manual card monitoring system previously established. This required 75% of the time of one AIC.

3. At the start of this period 13 personnel was assigned to the Office of Plans and Programs. Although two personnel were lost due to rotation during t is period, this effective strength was increased because of five new arrivals and temporary assignment of three personnel for various lengths of time. We also continued to use personnel on temporary duty from the Squadrons for non-recurring and special workloads.

4. During this period the programming document workload increased tremendously both in quantity and complexity. As an example of the complexity of the new programming documents, the engineering manhour requirements for one CEIP were computed at 8,400 hours with over 1,000 hours expended during the period. This CEIP should be completed some time during the latter part of fiscal year 1961. During this period the following quantities of programming documents were processed:

CEIP's coordinated	20
CEIP's returned without action	1
AF Forms 524 coordinated	615
AF Forms 524 returned without action	21

5. Refinement of the PCSP for the European CEEIA area continued during this period. The estimated accuracy as of 1 May was approximately 90% with supportability being considered lower. At that time ROAMA approached theater commands in an attempt to bring the supportability in line with the accuracy. As a result, a representative of ROAMA and a representative of Headquarters CEEIA visited this Headquarters in mid May and reviewed the entire PCSP with theater commands. Redline changes were made wherever possible to make the PCSP supportable and accurate. Unfortunately, in bringing the supportability up to date some accuracy was lost. It was discovered after the redline listing was completed that in several instances entries were either depleted or duplicated, due to mistaken identity of SFBL package codes. These errors are not expected to cause a tremendous workload; however, corrective action will be required and is being taken.

6. Contractual workload was not as great as had been anticipated in terms of dollars. The following table shows installation contracts by CEIP code and number of schemes associated with each CEIP:

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d. The Office of Plans and Programs ceased to monitor C-E scheme status except for the limited monitoring required to keep the PCSP accurate. Pending the development of a usable ROAMA M-1 Report, it was necessary to continue the manual card monitoring system previously established. This required 75% of the time of one A1C.

3. At the start of this period 13 personnel was assigned to the Office of Plans and Programs. Although two personnel were lost due to rotation during t is period, this effective strength was increased because of five new arrivals and temporary assignment of three personnel for various lengths of time. We also continued to use personnel on temporary duty from the Squadrons for non-recurring and special workloads.

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1D04N	$74,141.07	(1)
1F017	52,052.46	(44)
3A01K	32,102.75	(16)
4A01K	295.98	(4)
4A05K	1,550.00	(1)
4A050	11,757.04	(2)
4C02Q	47,903.33	(11)
Job Nr 073A1-L	35,000.00	
Job Nr 178A0-L	21,178.36	

7. As of the beginning of the period, the fiscal year 1960 Annual Budget Authorization (ABA) stood at 1.86 million. No new requirements of any import were generated for funding. On the other hand it became necessary to either defer or delete many of our forecasted requirements. As a result of this, we requested reductions during each month excepting February, to the end that the ABA on 30 June stood at 1.16 million. Commitments remained above one million dollars throughout the six month period, with decommitments and deobligations keeping the obligation rate on an even trend with the beginning of the fiscal year excepting for a slight increase in the obligation rate during June. Since this was the first fiscal operating year for this organization, there were no experience factors to use in controlling financial planning to the extent necessary for realistic management. The records compiled and the experience gained during this period should permit much closer control in the future.

ENGINEERING:

On 1 January 1960 this Directorate employed 2 officers, 9 DAF personnel, 31 CTS personnel, 40 enlisted personnel and 4 LWR personnel. During this reporting period additional assignments were made as our workload increased, swelling our ranks to our 30 June employment level of 6 officers, 12 DAF personnel, 57 CTS personnel, 40 enlisted personnel and 4 LWR personnel.

On 1 January, Engineering had 319 assigned schemes or jobs. During the reporting period, 511 additional schemes or jobs were assigned and 174 were completed resulting in an assigned workload of 656 schemes or jobs as of 30 June 1960.

The LAN system of Engineering Control was implemented throughout this period. In January, a geographical cross reference was evolved which shows all of the assigned projects at each base in this region. This was done to facilitate the consolidation of TDY assignments on a location basis, thereby effecting economics where a single engineer may perform services for several divisions. Spot statistical analysis of engineer production time data revealed an average of 58% of engineering time spent on direct work, 35% indirect work and 9% leave and holiday time. Some considerable difficulty was experienced during this period in maintaining the currency and accuracy of the H-1 Report. Effort in this direction consumed a disproportionately high percentage of engineering management time. Inspection of our facilities by Headquarters European GEEIA personnel during May 1960, pinpointed the need for procedural improvements in H-1 Reporting. Improved procedures were implemented within Engineering by policy letter to all divisions. During the month of May 1960, a "single manager" concept was developed to more effectively implement job and scheme directives. Under this procedure, all project effort is channeled through the division chief of primary interest, who coordinates all of the ancillary and supporting activity

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with the other divisions involved. In June 1960, all EAN's were screened to eliminate redundancy and to insert all work on the H-1 Report which should be included to present a true picture of our engineering workload. Over 13,000 engineering manhours were picked up in this manner for the reporting period. Except for minor fluctuations, administrative correspondence, drafting and reproduction workload was fairly steady accounting for 5,383 pieces of correspondence 367 sheets of completed drafting and 29,089 reproduction prints of all types in the first half of the calendar year 1960.

In May 1960 ZEM assumed responsibility for the inspection and acceptance of facilities from the Philco Corp. under the "Quick Fix" contract. An acceptance schedule was set up in accordance with projected completion dates commencing with August 1960 and continuing through August 1961.

Work continued during this period on Hq Eur GEEIA portion of CEIP 4C01Q (USAFE SSB Network). The history of this project follows:

Headquarters USAFE prepared a CEIP dated 1 January 1959 covering a Long Haul Command and Control HF SSB Network. This CEIP was prepared without coordination of any GEEIA element. The CEIP specified Collins Radio Company equipment KWT-6 Transceivers, 237A-1 Antennas, 137V-1 Antennas, a "Station Control" of unspecified Type and nature, etc. Headquarters USAF approved the CEIP in this form on 5 March 1959. Assumedly, Headquarters USAFE planned to have those facilities installed on a "turn Key" basis by Collins Radio Company. However, following the formation of GEEIA, the responsibility for this project was given to GEEIA. The possibilities of "Turn-Key" vs GEEIA organic implementation were explored by Hq GEEIA and the decision was made to accomplish it organically. To do this, several problem areas had to be resolved. Specifically, there were no SFEL's, system engineering data, or general drawings in existence on which to base facility engineering. A meeting among personnel of Headquarters GEEIA, European GEEIA Region, USAFE, and Collins Radio Company was proposed by this Headquarters to resolve the problems and develop a plan for implementation of the project. Such a meeting was held in November 1959 at Headquarters GEEIA. Headquarters USAFE submitted a letter modifying their original CEIP but declined to send a representative to attend this meeting. As a result of the meeting, it was agreed that Headquarters GEEIA would; (1) "Review the CEIP and coordinate with Headquarters USAFE to have any necessary revision accomplished.", (2) "Perform system engineering and prepare applicable system and general drawings.", (3) "Prepare SFEL's or equivalent upon which procurement and facility engineering can be based.", (4) "Coordinate with ROAMA to insure timely procurement of all required materiel". Since the above meeting, Headquarters GEEIA has been working on the areas mentioned above. Headquarters GEEIA took action to start procurement of the KWT-6's, 237A-1 Antennas, and station control units. They questioned utilization of 237A-1 Antennas because of restricted low frequency coverage and advised that the 137V-1 Antennas are no longer available from the Collins Radio Company. Hq GEEIA proposed utilization of the standard Air Force discone in lieu of the 137V-1. These items were discussed with Headquarters USAFE personnel. After due consideration, Hq GEEIA established the following SFELS:

FB-6A-16 "Antenna HF undirectional rotatable Log Periodic (237A-1)"
FB-6A-16A "Pressurized Semi-Solid Dielectirc Coaxial Transmission Line (RG-258/U)"
FB-6A-19 "Antenna Coupler Group AS/URA-27"
FB-6A-17A "Coaxial Transmission Line (RG-85A/U)"
FB-6B-26 "HF Transceiver, KWT-6, Type 5"

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Item 9 Continued - Mission Progress and Problems

FEL's 1 through 4 are termed "Tentative" and SFEL 5 is "Awaiting Publication." Exact configuration of the omnidirectional antenna to be employed was still unresolved but a cage type vertical manfactured by Craig Systems, Inc. was being considered by Headquarters GEEIA.

The USAFE SSB station originally planned for Ramstein AB must now be located in Wiesbaden area because of the recent USAFE reorganization. Headquarters USAFE has proposed Camp Peiri as the most desirable location. A preliminary survey has been accomplished which indicates this course of action may be feasible. Further action awaits Hq USAFE revision of CEIP 4C01Q.

A summary of ZEM activities during this period on system 412-L follows:

A series of meetings to develop a suitable building configuration were held. These meetings were to assure that buildings constructed for future requirements are compatible with requirements for the USAFE equipment. Primary source of input information for USAFE requirements was the Engineering Services Contractor (General Electric Company). The European GEEIA Region participated in these meeting as an extension of the Headquarters GEEIA systems engineering function.

A follow up meeting to firm up all building requirements was held in Munich on 1-4 March. Construction drawings were reviewed for technical adequacy and agreement reached to proceed with the 412-L System Meeting at Shaw AFB, 29-31 March.

Investigations into the area of digital data transmission did not succeed in uncovering specific circuit criteria. Information from General Electric indicates the tentative criteria previously provided us was set up in the hope that circuits approximating the requirements might be obtained. Equipment presently installed in the USAFE microwave system and the Deutsche Bundespost system conforms with CCIF/CCIR recommendations, but does not provide circuitry adequate for 412-L requirements. General Electric has advised this will result in the loss of some digital data information, but they cannot advise just how much or what the effect will be on the control circuits. Based on this, a determination must be made by USAF whether to continue the 412-L program in Europe. Our representative to the 29-31 March meeting at Shaw AFB presented information obtained during our investigations in an attempt to obtain such a determination.

During our investigation into fixed circuitry criteria, and work being accomplished on ground/air modernization, we determined that the present operational concept will not support the 412-L system requirements. This is mainly due to the excessive number of ground/air frequencies assigned to each ground station. Additionally, the present installations are substandard in all respects. Thus, our program to provide engineering assistance to the 412-L Planning Group was expanded to include investigation of ground/air requirements, with the objective of providing recommendations to improve the present facilities.

Based on USAF approval, site surveys were conducted for new construction of eight buildings at three locations to house 412-L system components. Programming action on an accelerated basis was being taken by USAFE to provide the required structures in time to meet the projected operational dates for this system.

Concurrence on the engineering drawings for the CECOC was obtained in this reporting period. These drawings were the basis of the USAFE submission to NATO for funds to rehabilitate the CECOC as required. A decision as to whether NATO will fund for this rehabilitation action will be reached at some future date.

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on 9 Continued - Mission Progress and Problems

Work continued during this reporting period on all other assigned projects. The more important of these are listed as follows:

NATO II Intersite Communications
Morocco-Spain-United Kingdom Tropo
Poor Man's Tropo
Tropo-East
Tropo-Northwest
Transportable Tropo
United Kingdom Microwave
USAFE Microwave
CEIP 1C01K8
Plan 55
Link Encryption Program (CEIP 1E0081)
Log-Balnet
Project Flip Lid
GCA Facilities
ILS Facilities
TACAN
TVOR Program
Radar NavAids Program
RapCom Facilities
AC&W Facilities
SCC Facilities
An/GPA-70 Video Mappers and AN/UPX14 IFF

INSTALLATIONS:

1. The Directorate of Installations has the responsibility for compiling a study of outside plant maintenance requirements in this theater. This requirement was generated by a letter from GEEIA from Colonel Lindstrand. To date, the following action has been taken:

a. Compiled information and wrote a proposed guide for Depot Level Maintenance for outside plant. This includes radio and telephone outside plant.

b. Requested assistance from Eastern GEEIA Region in surveying European GEEIA Region AirCom Installation capability. This assistance is for new installations and the AirCom Modernization Program.

2. A plan for activation of an operating location at Athens, Greece has been completed. The parent organization will be the 2872d GEEIA Squadron. The unit's prime mission is the emergency repair of outside plant antennas and cable, contract monitoring and installation of programmed facilities in the Greek-Turkish area. A joint tenancy agreement was written and handcarried to Athens for signature of the Commander, 7206th Air Base Group. Permission was secured and action taken to earmark UAL required items at the Athens base supply, and arrangements made to designate additional needed items from the 2871st GEEIA Squadron material resources for future shipment to Athens. Construction (outside plant) personnel will be transferred from the 2871st GEEIA Squadron and 74th GEEIA Squadron will furnish two cable splicers. Planning calls for a work-ready operations date of late September 1960 for this unit.

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Item 9 Continued - Mission Progress and Problems

MATERIEL:
1. Organization: During the reporting period the Directorate of Materiel organizational structure sustained certain changes. These specifically were:

a. The transfer of Contractual responsibilities from Plans and Programs established the requirement for a Contracts Division.

b. To afford more effective Scheme material management, functions of the Scheme support Division were decentralized. In lieu thereof the functions were cellularized by facility commodity resulting in the activation of the following:
Telecommunications Division
Meteorological and Systems Division
Navigational Aids and Radio Division

c. Supply Division was re-identified as the Equipment Authorization Division.

d. Hq Unit Supply which had been integrated with the Supply Division was established as a separate activity directly responsible to the Director.

2. Personnel:
Strength as of 30 June 1960:

Officers	1
DAF Civilians	3
Airmen	14
LWR	1

Gains and losses during the period:

Gains	11
Losses	3

3. Scheme Materiel Management: A review of the overall management practices brought to light certain materiel monitoring functional responsibilities being performed by activities outside the Directorate. A realignment of these functions resulted in a clear-cut understanding of areas of responsibilities and also the sequence of timely actions required to obtain maximum effectiveness. This area is now referred to as "The Supply Phase" and specifically includes:
"Reviewing and/or correcting the engineered BOM and the Edited BOM
"Call Out" of the Scheme material, and any other action necessary to insure that Scheme Material is received at the correct time and place in consonance with the CE Program".
Procedures have been developed wherein statistical data are readily obtainable and will reflect progress and status of Schemes in the "Supply Phase".

4. Contract Management: Since the inception of the Contracts Division 11 contracts have been negotiated for a total amount of $248,768.00.

5. Equipment Allowance: The Region approved and forwarded to Hq GEEIA a total of 86 Forms 601A (UAL/MRAL Change Request) covering 860 line items. Net dollar change of 601A's amounted to an overall increase of $30,348.00. Dollar value of authorized equipment for all Region UAL's totals $1,248,930.00.

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6. Special Projects: During the month of February all European CINCLA activities became involved with "Project Count". Approximately 50% of the Region Installation Capability was utilized to inventory 15,633 line items involving 558 schemes at 96 bases and sites located on the continent, North Africa, and Near East. Expenditures incidental to this special exercise totaled $23,230.00.

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Item 11 Continued - List of Supporting Documents

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1 - Roster of Key Personnel
2 - Comdr Monthly Summary (Jan-Jun)
3 - 2871 History
4 - 2872 History
5 - 2873 History
6 - 2874 History

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Roster of Key Personnel

Rank, Name & AFSN	Duty Title	Date Assigned
Colonel John W. Hope 2778A	Commander	9 Nov 58
Lt Colonel Marvin J Anderson 39350A	Deputy Commander	20 Feb 60
Lt Colonel Robert W. Fox A0510814	Chief, Plans and Programs	20 Feb 60
Major Lincoln H. Braude A0758527	Director of Materiel	3 Feb 60
Major James R. Lucid 34900A	Director of Engineering	2 Jun 59
Major Ray E. Hadwick A0587803	Director of Installations	23 May 60
Captain Leroy L. Huber A02089494	Chief, Pers and Admin	1 Jun 59

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EUROPEAN COMMUNICATION
APO 332, New York, NY

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(Major James H. Worrell)

Schools Management.....Tab B
(Captain Morris D. VanDyk)

Engineering.....Tab C
(Major James P. Lucid)

Installations.....Tab D
(Major Thomas E. Barnes)

Materiel.....Tab E
(Mr. Fred [illegible]. Bentley)

Personnel and Administration.....Tab F
(Captain L. L. Huber)

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EUROPE N COMM REGION
APO 33?, New York, NY

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OFFICE OF PLANS & PROGRAMS

PLANS DIVISION

1. Program Coordination:

   a. AF Forms 524 processed 49

   b. CEIP's coordinated 5

PROGRAMMING

1. ACGW Program: Five schemes were directed to modernize the air ground facilities at locations contained in CEIP 2A23Q, and one scheme was directed to rearrange radar ancillary items at a location contained in CEIP 2A11Q.

2. AIRCOM: Headquarters GEEIA message RCZFR-1-97-E was received indicating that schemes for Adana and San Pablo aircom facilities are being prepared by Headquarters GEEIA with installation to be accomplished by European GEEIA Region. Headquarters GEEIA to furnish us copies of complete schemes on these facilities by 15 February 1960.

CONTRACTS

1. Contract Responsibility: All responsibilities for contracts and files and records were transferred to ZES, effective 15 January 1960.

RESOURCES MANAGEMENT DIVISION

1. Fund Utilization: ZEN with our assistance completed arrangements for SETAF to accept San Vito Cable Plant Installation. SETAF will contract the entire job through Italian PTT. A commitment authority for $116,000.00 was handcarried to SETAF by the project engineer. Other smaller amounts were committed against current weather schemes through local BIE channels.

2. Third and Fourth Quarter Requirements: A summary of requirements was handcarried back to Headquarters GEEIA and a third and fourth quarter funds program was finalized.

3. FY61 Financial Plan: The call for the FY61 Financial Plan was received and representatives from the Squadrons and Field Offices were ordered to this Headquarters to assist in computing requirements and finalizing the entire Financial Plan.

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OFFICE OF SCHEMES MANAGEMENT

1. Screening, Research and Correspondence. The screening of the completed scheme files is fifty percent complete. Elimination of excessive amounts of obsolete files will show favorably on project "Paper Weight." Office received sixty messages; sent eighteen messages and sixty-five letters. The file load continues at about three thousand pieces per month to scheme record jackets. A large drop in this is expected during wall-to-wall inventory and after initial discrepancies within the records are cleared.

2. Scheme and Job Statistics:

Schemes active 1 January 1960 (Revised)	1047
New schemes directed by Plans and Programs	130
Schemes assumed from other sources	65
Schemes completed	15
Schemes cancelled	33
Total schemes active 31 January 1960	1194
Jobs active 1 January 1960	191
New jobs directed by Plans and Programs	7
Jobs completed	43
Jobss cancelled	6
Total jobs active 31 January 1960	149

Recapitulation for Calendar Year 1959:

Schemes actively assumed 1 January 1959	398
Schemes directed by Plans and Programs	362
Schemes assumed from other sources	1038
Schemes completed	328
Schemes cancelled	473
Total schemes active 31 December 1959	1047
Jobs active 1 January 1959	0

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Jobs directed by Plans and Programs	203
Jobs assumed from other sources	12
Jobs completed	12
Jobs cancelled	12
Jobs active 31 December 1959	191

3. ROAMA H-1 Report. During meeting at GEEIA, 10 January to 15 January 1960, GEEIA Regulation 100-5 was revised and is now a useful planning and management tool for both Region and GEEIA use. A provision for internal control has been built-in. Any directorate requiring special information or sequence may do so by introducing codes into report column. The updated ROAMA H-1 Report GEEIA promised arrived 25 January 1960. This report is still shy 397 schemes. This office will now take the initiative by virtue of revised GEEIAR 100-5 and correct this omission that has plagued this report since March 1959.

4. Personnel and Manning. Six permanent personnel are still assigned. Four additional trained persons due to arrive PCS. Two each are to come from 2871 and 2872. An additional Airman Second Class is due in shortly. Amen. When these persons are physically in place, the office manning percentage will rise from 20 to 61.

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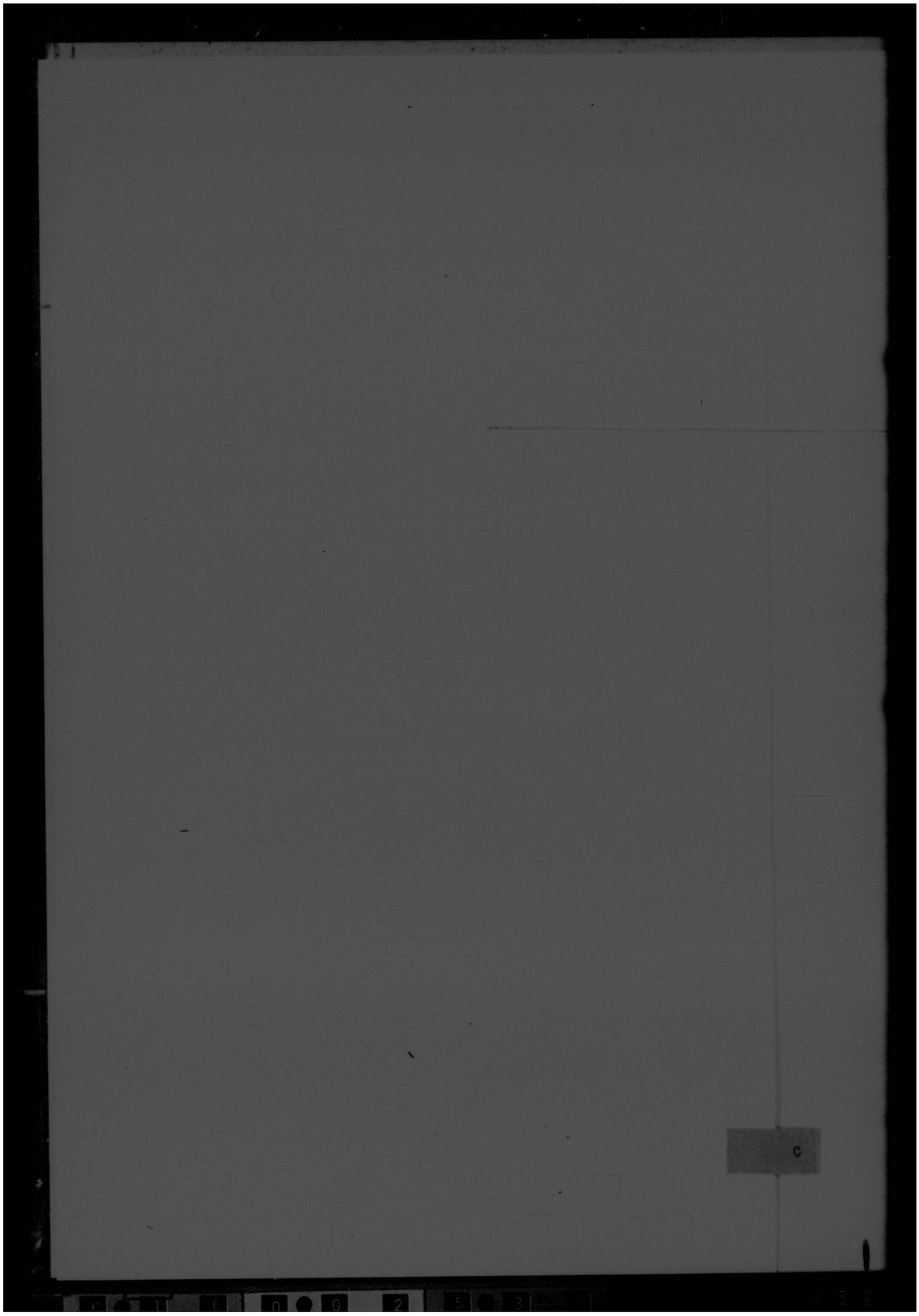

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DIRECTORATE OF ENGINEERING

1. RADAR-ELECTRONICS DIVISION:

a. Personnel:

(1) Captain James D. Justus was transferred to the Radio Communications Division on 21 January 1960.

(2) Mr. M. Nothman was transferred from the Flight Facilities Division on 27 January 1960. He will be utilized on the 412-L weapons systems project.

b. Programs - Current:

(1) No further word has been received from USAFE on the Mediterranean AC&W Complex; on 27 January ZEF advised us of the cancellation of the CEIP pre-engineering job pending receipt of a new operational concept.

(2) At the direction of Headquarters CEEIA, this Division was designated project office for the 412-L weapons system. Plans for this system are being rapidly developed, and USAFE has indicated a requirement for European CEEIA Region representation at all meetings in the Z.I. and with the German Air Force.

(3) Projects for the modernization of radar ancillary items and ground/air facilities at AC&W sites in Germany have been initiated. Pre-engineering surveys are presently being conducted to determine the scope of these projects.

(4) ZEE has requested engineering support in monitoring the installation of the RAPCON Facility at Birkenfeld and the Bendix radar modification at Langerkopf. Engineering assignments have been made, and regularly scheduled trips have been included in our workload.

2. FLIGHT FACILITIES DIVISION:

a. ILS:

(1) Zaragoza: Because of off-base terrain conditions at Zaragoza Air Base, Spain, the glide slope site was considered marginal. Arrangements were made to borrow the AN/MRN-7A/3a from RAF Lakenheath for site testing. Mr. Cwan of the 2873 CEEIA Squadron conducted the site test. The glide slope site was found to be satisfactory without grading or clearing work. The localizer was tested at a distance of 2,000 feet from the end of the runway. Good operation was obtained to touchdown although line-of-sight criteria was not satisfied because of a hump in the runway. Grading and clearing requirements currently outlined in the site concurrence

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letter will be deleted.

(2) Torrejon: The ILS system at Torrejon Air Base, Spain, was installed approximately a year ago but never commissioned because of glide slope course roughness approximately four miles from touchdown. Cancellation and roughness were attributed to a range of hills on the approach end of the instrument runway which were reflecting out-of-phase components of the glide slope signal back onto the on-course portion of the glide slope signal. An OA-1817/MRN-8 "M" array was ordered for the installation. Because of pressure from the major air command efforts were made to commission the facility in the interim period using the standard null-reference antenna array without the modifier antenna. The facility was completely retuned and a successful commissioning flight check was obtained using a glide angle of 2.68 degrees. The standard SAC glide angle is 2.5 degrees. A suggestion was made to 16 Air Force that the "M" array requirement be cancelled based upon the commissioning flight check. They have advised that they will consider the proposal and advise us not later than 26 February 1960.

(3) Brize Norton: A satisfactory glide slope facility has not been obtained at Brize Norton because of course roughness three - four miles from touchdown. Mr. Moss and Mr. Corcoran visited the station in August 1959, and conducted tests at different glide angles to determine whether high terrain on the approach end of the runway was causing the roughness. It was determined that an "M" array would assist in the commissioning of the facility and action was taken to place Brize Norton on the "M" array allocation list. The 7 Air Division and AACS conducted independent tests in December 1959, and determined that the course roughness could be decreased by moving the glide slope unit approximately 700 feet West and across the runway from the permanent site. A preliminary AACS flight check indicated that the glide slope signal was within flight checking tolerances when operated at that site. 7 Air Division has stated that they are prepared to accept the 700 foot loss in runway and the non-standard touchdown point in order to get the facility commissioned on an interim basis pending the arrival of the "M" array. We have directed the Northern Field Office (GEEIA) to furnish assistance as required to conduct a commissioning flight check at the interim site.

b. Meteorological: Several new requirements for the re-engineering of meteorological facilities have been received. In most cases, this will require re-siting the sensing instruments which may mean additional cable. Changes in operational concept, such as the relocation of read-outs from remote observation sites to control towers, as well as inadequate siting by other organizations, have in the past been contributing factors towards this re-engineering workload. To date a total of 16 schemes have been re-engineered and amended.

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3. WIRE COMMUNICATIONS DIVISION:

a. Personnel:

(1) Mr. James A. Lewis, DAFC GS-12, joined the Wire Division 18 January 1960 from the Mobile CEDIA Region. Since some of the exchanges utilized within European CEDIA Region differ somewhat from those utilized in the United States, Mr. Lewis has been assigned initially to the traffic study section in order that he may familiarize himself with these different exchanges.

(2) Mr. Sands, Chief of the Wire Communications Division, attended the engineering conference at Headquarters CEDIA 18 through 22 January. This conference was to discuss means of increasing the efficiency of each Region's engineering capability and to establish a typical structure for regional Directorates of Engineering.

(3) Mr. Ramon Lacey of ROZEMA has been TDY with this Division since 21 January 1960 to assist in the engineering/ installation of the AN/GTA-6 installation at Langerkopf.

(4) Mr. Ives, Eastern Field Office (CEDIA), has been TDY with this Division for the past three weeks preparing a scheme for Dhahran Air Base. He is scheduled to return to Wheelus Air Base on 1 February 1960 to make base wire and telephone system development schedules for Wheelus, Dhahran, and Benghazi Air Bases. Upon completion of these assignments, he will return to Wiesbaden Air Base and prepare schemes for these bases.

b. Programs - Current: Our major difficulty at the present is the apparent inability of the Major Commands to realize five year planning. USAFE, our major user, has essentially waived this requirement. However, we have requested a conference the week of 15 February to discuss means of effectively planning expansion and modernization of wire communications facilities.

4. RADIO COMMUNICATIONS DIVISION, Programs:

a. NATO II: Siting of NATO II intersite communications continued with an engineer visiting the host country with the USAFE team. Another visit will be necessary before siting procedures can be completed and submitted for concurrence. This can be accomplished with two engineers on a simultaneous TDY trip for tropo-siting requirements in the same country. An engineer visited Livorno with Major Hedvall of USAFE DCS/Communications in order to attend construction conference.

b. Morocco-Spain-United Kingdom-Tropo: An engineer visited Spain for 20 days in order to monitor work being accomplished by Page Communications Engineers, Inc., and to provide field approval of design drawings to OICC for the Gorrimendi Site.

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c. Poor Man's Tropo: An engineer departed for Morocco to supervise installation of the poor man's tropo system. Another engineer assigned from EUCOM ALCS accompanied the squadron team. Upon initial installation of amplifiers and antennas, a Balun was destroyed by arcing on initial run up. Another engineer visited the Balun manufacturer's plant in Hannover to insure expeditious action in shipment of necessary material for repair.

d. Tropo-East: CDIP 1B338 and also the operational utilization plan were received. Information contained in each was reduced to sketches for reference.

e. Tropo-Northwest: CDIP 1B348 and operational utilization plans were received and reviewed.

f. Transportable Tropo: CDIP 1B358 and operational utilization plans were received and information contained was reduced to sketches for reference.

g. AN/TRC-24 Between Torrejon AB and Villatobas: Action was initiated and request was made to 2872 CEEIA Squadron for information necessary for preparation of C-E scheme.

h. United Kingdom Microwave: An engineer attended a conference concerning modification of the Marconi contract. Requested information concerning multiplex compatability at point where United Kingdom system meets USAFE system.

i. USAFE Microwave:

(1) CDIP submitted by 17 Air Force was reviewed and coordinated for submission to USAF. This CDIP covers modifications within the German portion of the USAFE system.

(2) Began preparation of work statement for installation of Siemens-Halske multiplex on the bravo system in France, and at Camp Pieri.

j. CDIP 1C01K8: Surveys of all but two stations in this area that are covered in CDIP 1C01K8 have been completed. Data collected is being held pending further instructions from Headquarters CEEIA. It is expected that the surveys of these other two stations will be completed in early February.

k. CDIP 4C01Q (USAFE SSB Network): Headquarters USAFE prepared a CDIP dated 1 January 1959 covering a Long Haul Command and Control HF SSB Network. This CDIP was prepared without coordination of any CEEIA element. The CDIP specified Collins Radio Company equipment - KWT-6 Transceivers, 237A-1 Antennas, 137V-1 Antennas, a "Station Control" of unspecified type and nature, etc. Headquarters USAF approved the CDIP in this form on 5 March 1959. Assumedly, Headquarters USAFE planned to have these facilities installed on a "Turn-Key" basis by Collins Radio Company. However, following the formation of CEEIA, the responsibility for this project was given

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to GEEIA. The possibilities of "Turn-Key" vs GEEIA organic implementation were explored by Headquarters GEEIA and the decision was made to accomplish it organically. To do this, several problem areas had to be resolved. Specifically, there were no SFEL's, system engineering data, or general drawings in existence on which to base facility engineering. A meeting among personnel of Headquarters GEEIA, European GEEIA Region, USAFE, and Collins Radio Company was proposed by this Headquarters to resolve the problems and develop a plan for implementation of the project. Such a meeting was held in November 1959 at Headquarters GEEIA. Headquarters USAFE submitted a letter modifying their original CEIP but declined to send a representative to attend the above meeting. As a result of the above meeting, it was agreed that Headquarters GEEIA would; (1) "Review the CEIP and coordinate with Headquarters USAFE to have any necessary revision accomplished.", (2) "Perform system engineering and prepare applicable system and general drawings.", (3) "Prepare SFEL's or equivalent upon which procurement and facility engineering can be based.", (4) "Coordinate with ROAMA to insure timely procurement of all required material". Since the above meeting, Headquarters GEEIA has been working on the areas mentioned above. Headquarters GEEIA has taken action to start procurement of the KWT-6's, 237A-1 Antennas, and station control units. They have questioned utilization of 237A-1 Antennas because of restricted low frequency coverage and have advised that the 137V-1 Antennas are no longer available from Collins Radio Company. Headquarters GEEIA is proposing utilization of the standard Air Force discone in lieu of the 137V-1. These items have been discussed with or are presently under consideration by Headquarters USAFE personnel.

5. ENGINEERING CONTROL OFFICE:

a. Activities:

(1) A statistical report of engineering manpower utility was prepared for the Director of Engineering on 6 January 1960 covering the first full month of man-hour accounting, December 1959. A summary of this report shows that 57.2% of available time was spent on direct engineering; 28.5% was spent on indirect work supporting our assigned projects; and 14.5% was expended in leaves, holidays and sickness.

(2) Engineer production time cards were received from the field offices during the past month and these totals will be included in the January statistical summary.

(3) Revisions to the Master Engineering Assignment Number Lists were prepared in January and distributed to all Divisions and Field Offices. This was the fourth revision to the list reflecting additions, completions and cancellations to ZEM's assigned workload.

(4) The new revision to the Engineer Production Time Cards were received and distributed to all Divisions and Field Offices.

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b. Programs: A "Geographical Cross-Reference" has been prepared by this office showing all the assigned projects at each base in the region. An office instruction is being prepared to require all personnel performing TDY to check with this Office prior to departure, so that the engineer may be made aware of all projects assigned to ZEM at the base he will visit. By this procedure, it is known that certain engineers can perform services for other divisions while at the TDY base and thereby save time and money. This procedure is already in effect, but has not been confirmed by a written instruction.

c. Schemes and Jobs: The Directorate of Engineering received 105 new assignments during the month of January. During this same period, 51 schemes or jobs were reported as completed or cancelled, although 30 of these were actually completed prior to this reporting period.

ZEEN has an assigned workload of:	32 jobs	136 schemes
ZEEL " " " " "	53 "	74 "
ZEEK " " " " "	3 "	18 "
ZEEC " " " " "	27 "	*74 "
ZEMS " " " " "	7 "	**0 "
ZEM " " " " "	122 jobs	302 schemes

*Estimated in part. Athens AirCom has not yet been divided into schemes.

**ZEMS contract construction and power monitoring only. ZEMS provides clerical and technical support to all jobs and schemes.

6. ENGINEERING SUPPORT DIVISION:

a. Personnel:

(1) MSGT Albert F. Litko, 70270, reported for duty on 12 January 1960 and is presently assigned as Chief Clerk, Clerical Services Branch.

(2) Mrs. Virginia L. Bronson, DAF, GS-3, reported for work on 19 January 1960 and is presently filling the clerk-typist vacancy left by a resignation in November 1959.

(3) A1C Glen E. Reyer, 22350 Draftsman, reported on 4 January 1960 for 60 days TDY from the 2874 GEEIA Squadron and TSGT Joseph R. Terrian, 22370 Draftsman, reported on 4 January 1960 for 45 days TDY from the 2871 GEEIA Squadron.

(4) A3C Fred H. Cummings, reported for duty on 14 January 1960 and A3C William R. Baker, reported for duty on 29 January 1960. Both are 22230 Surveyors and are presently assigned to the Surveying Branch of this Division.

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b. Programs - Future: Excellent progress is being made in correcting the deficiencies found in the Specification Master Formats received from ROZ and work is continuing at a high rate.

c. Summary of Completed Work:

(1) Administrative: Approximately 830 pieces of correspondence, both classified and unclassified.

(2) Drafting: Approximately 39 jobs completed for a total of 54 sheets.

(3) Reproduction: Approximately 1,750 ammonia-process prints, 55 sepia, and 850 ditto copies for a total of 2,655 prints.

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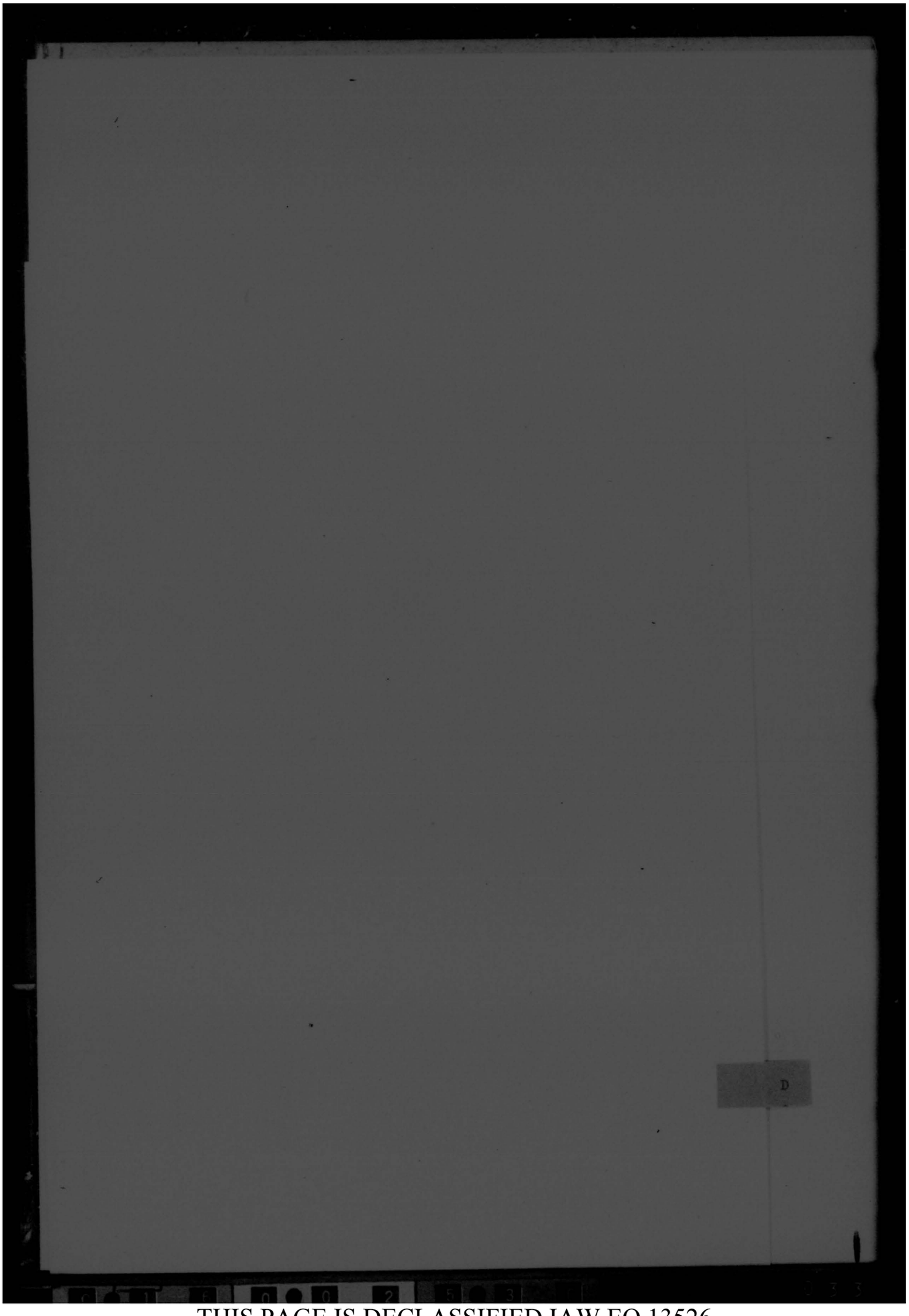

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DIRECTORATE OF INSTALLATIONS

1. PROJECT "TANK TOP"

a. On 18 Jan 60, an Installation Inspection was attempted at Site #2; however, the radar equipment could not be operated, due to the lack of sufficient primary power. Neither the 72-hour shakedown nor the operational tests could be performed, and the installation inspection had to be delayed. It should be noted that the Arctic Tower, rigid radome and the radar equipment installation had been completed by 9 January 60.

b. Action by 17th Air Force has since resulted in the use of additional 100 KW generators and directing that the equipment be placed into operation. An installation inspection was again scheduled for 2 Feb 60.

c. The ECCM equipment for the HRI unit at Site #1 has arrived; however, the installation of the equipment is being held in abeyance pending a command decision as to whether or not to discontinue the use of the HRI facility at Site #1.

d. General Electric has personnel in Europe to install the ECCM equipment on MPS-16 equipment at Sites # 2 and 3. As in above site #1, is held-up and the equipment for Sites #2 and 3 is to be shipped via Air on 5 February, they will be installed as soon as practicable after that.

e. At Site #3, Bendix started the equipment in the Arctic Tower on 20 Jan 60, the tower construction being far enough along to permit installation of the equipment.

2. UK MED TROPO

a. To date, the question of property rights and the antenna location at the UK end of the circuit has not been settled.

b. The location of the antenna at the UK end of the circuit affects the positioning of the antenna in Spain and consequently, neither can be constructed until the location problem is settled.

3. RHEIN CONTROL (KIRKENFELD)

a. Drawings and inventory lists for the AB-313 Arctic Tower, which had been requested from Headquarters CEEIA, arrived and were handcarried to the site, in order to expedite the identification of the inventoried tower components. A report on the actual shortages and tower problems should be available by 1 Feb 60.

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b. The installation is reported as 10% complete. It should be noted, however, that a considerable number of manhours has been required to unpack, sort, photograph damaged equipment, locate the equipment into the buildings, as well as inventory the radar and arctic tower. A substantial increase in actual installation work is expected from now on.

4. PAINTED WARRIOR

a. An outside telephone plant installation team began work on the outside cableplant in the squadron area at NATO-1.

b. This Region was requested by USAFE to call out from the pre-positioned project Warrior materiel at MOAMA, two TRC-35 BOM's on schemes 243A9 (003A-9) and 244A9-L (006A9). The intention is to complete additional interim satellite circuits by 20 Apr at NATO-1.

5. AIRCOM REHABILITATION AND MODERNIZATION

EUCR is awaiting the 2878th Antenna Farm survey reports from Lajes and Croughton, so that the necessary schemes and engineering can be initiated. Complete installation responsibility for all Aircom facilities within the European Area was received in Msg ROZI-1-22-E, effective 1 Feb 60.

6. NON-LOAD SCHEDULING BRANCH

a. Copies of the 2873rd Squadron schedules were furnished to the 3rd Air Force and 7th Air Div on the 26th of Jan 60. Copies of the schedules for the other Squadrons have not been sent to Major Air Commands, due to the unstable appearance of these areas. Upon firming up these schedules, dissemination will be made.

Since date of last Summary, only one job number was assigned for emergency work. This job was completed by a 5-man team from the 2874 Squadron. This was an Antenna Rehab at Torrejon.

c. Installation manhours are, at present, being compiled from the latest copy of the USAFE Analysis listing from Rome, which was handcarried back by Capt Van Dyke.

7. AWS SCHEMES

This project was assigned to the Contract Branch 6 Jan 60. Project Officer and NCO were briefed by 2nd Wea Wing, GEEIA Engineering and Scheme Management personnel. Project Officer attended a conference at heq GEEIA (ROZI) on problems associated with these schemes (11-14 Jan). The present policy calls for an early release of all Region AWS schemes with CESAC crash-buying all BOM shortages for prompt shipment. The 2878th GEEIA Squadron will monitor these schemes for material through their liaison at CESAC, and will local-purchase items that

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appear to be slipping in the CESAC buy-program. Training has been arranged with local weather Squadrons for the 2872nd, 2873rd and 2874th GEEIA Squadrons Installations Teams, the 2871st GEEIA Squadron teams will be accompanied by qualified weather maintenance personnel. The 1 Jan 60 European GEEIA Region Metrological Scheme Status Report was compared with CESAC and GEEIA records. Approximately 10% of the schemes have no information recorded, or the information was in conflict. Research has been completed on all questionable schemes, and a report is being prepared for Headquarters GEEIA (ROZICS), containing all required information. A seperate listing, by site, of all schemes is being prepared to show all action and known data for the installation squadron's use. An RPO is being established, and after completion of computation of scheme assets under project count, a survey of individual bases will be conducted for allied support, trenching-backfill contracts and BOD. All details of finalization of this project are being coordinated with established contact points at ROZI, 2878th GEEIA Squadron and Squadrons of this Region.

8. UK MICROWAVE: A series of meetings were attended at the Army Signal Procurement Office, Frankfurt, on 13, 14 and 15 January 1960. Present were representatives of USAFE DC/S Comm, GEEIA (ZEI and ZEM) contractor, and the GEEIA UK Project Engineer. Various contract modifications proposed by USAFE were discussed and a final decision was reached on all these proposals. Contractor training of personnel was discussed; however, additional operating agency requirements are necessary to establish a definite program. Several engineering problems were deferred pending results of contractor path-loss tests. Contract action has been taken on four contract modification requests funded by GEEIA during December 1959. A progress report procedure was established with Mr. Oster, GEEIA UK Project Engineer.

9. COMMAND WORKLOAD:

a. TACAN installation at Toul AB, France, has successfully passed flight check. This facility has been installed under contract with the Federal Electric Corp.

b. Technical assistance was furnished to Phalsbourg inside plant installation by TSGT John L. Pope. Contract was negotiated by the Paris Air Procurement Office.

c. Message, Unclas OCZOMINI-1-159-.. was received from Central GEEIA Region in answer to our message ZEIW 1-113-B, indicating no action will be taken to implement a call type contract with Federal Electric Corp, in view of a letter dated 9 December 59 from Central Air Logistic Office, Wiesbaden, Germany. This letter indicated all solicitation will be handled by that office. In most recent information received from CALO, they indicate European GEEIA should send the contract requirements to PPD for administration. In the light of this action, call contracts are stopped for all intent and purposes since negotiating with PPd is to complicate an operation and does not meet the purpose of a call contract. It is desired that a clear and defined procedure be established for the Region, indicating methods that will provide a call contract suitable for what it is intended to mean.

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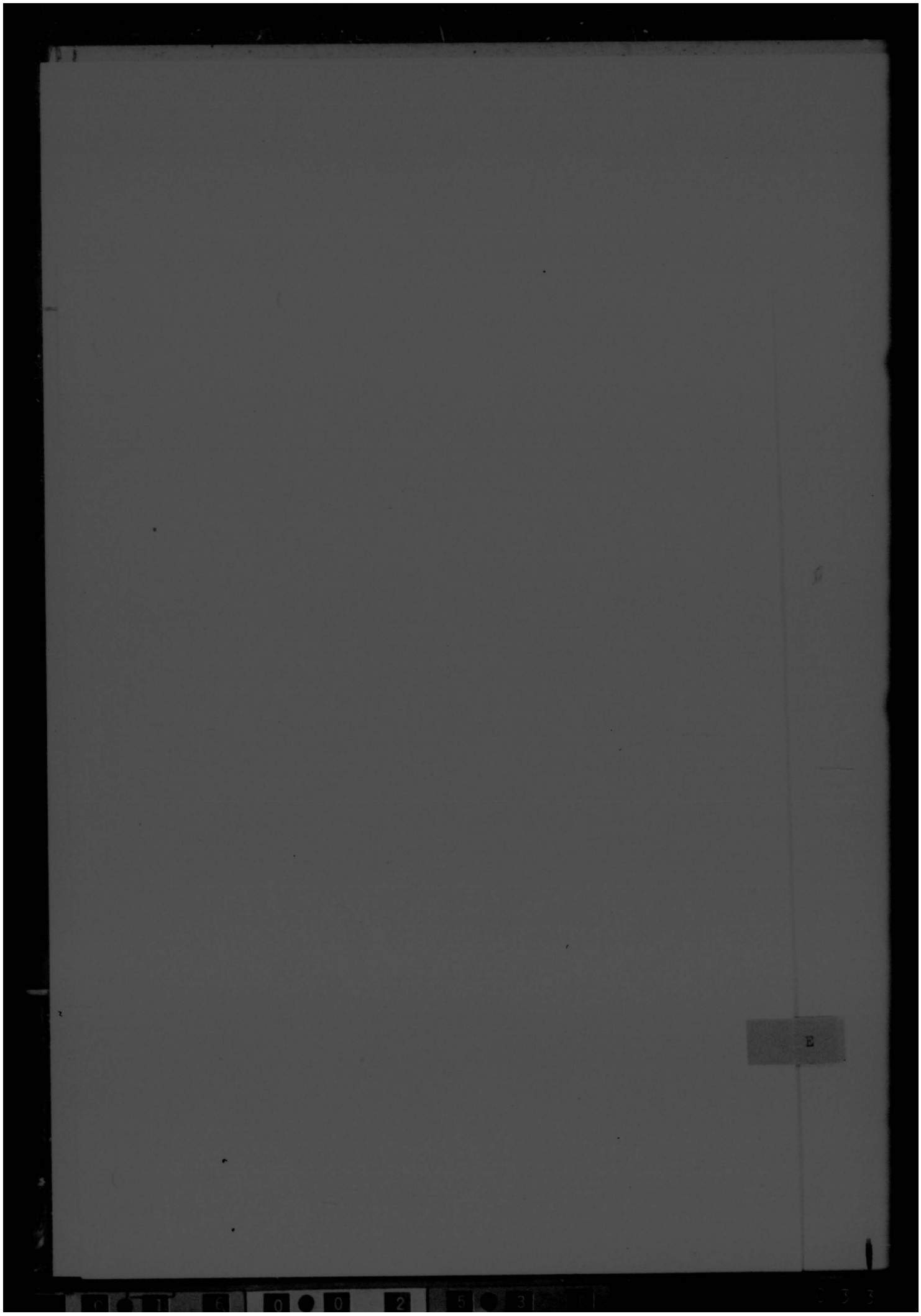

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DIRECTORATE OF MATERIEL

1. PROJECT COUNT.

On 15 December 59 information was received that a World Wide Wall to Wall Inventory would take place. Headquarters CEEIA was queried as to whether back order release of items for delinquent schemes would be effected. This was answered negatively. The first action taken toward accomplishment of the inventory was a physical inventory of all Bench and Shop Stocks and any other materials on hand in CEEIA Squadrons, which is not part of specific schemes or identified as UAL equipment. Additional information received indicated that this would be a bigger project then was orginally anticipated and the impact on installation capability would be sufficient to set the installation schedule back considerably. Copies of Plan and Procedures for conducting and reporting the inventory were received, but the information contained therein appeared to consist mainly of actions required by depots and Base Supply Activities. Authority was received for elimination of Deutsch Mark procured property from the World Wide Inventory Count. This authority was required due to the fact that Status of Forces Agreement precludes use of this type property outside of Germany. On 15 Jan 60 additional clarifying information was received from ROAMA which further defined the property to be inventoried and delineated in general terms responsibility for inventorying this property. Indirect information was received to the effect that disposition instructions for excess property would be suspended until 1 Mar 60. By this time it was apparent that Project Count would be of such scope and magnitude that it would seriously impair the installation capability of the Region during the period of its accomplishment. MSGT J. Blackhall of the Directorate of Materiel of the Region was assigned as Regional Project Monitor for Project Count. with responsibilities for coordination of all activities relating to the project.

It was not until 22 Jan 60, when machine listings of scheme material shipped to this Region arrived, that sufficiently detailed instructions were received to facilitate inauguration of a definite program for the project and to establish specific procedures for all personnel to follow. Brown Line Listings received covered approximately half of the schemes which are recorded as being in the supply phase in this Region. Many of these listings related to schemes located in geographical areas not covered by European CEEIA Region. Those which could not be identified were returned to ROAMA. A few additional listings were received from other Regions. Some of these could not be identified and were returned to ROAMA. Many of the listings received were for schemes for which property accountability is held by local Base Supply Officers. Research revealed that there were a large percentage of schemes in the supply phase for which we had received no Brown Line Listings. It was therefore apparent that any inventory conducted strictly from Brown Line Listings would be incomplete. Overlapping instructions received placed the inventorying responsibility for Jacket File Items on both ROAMA and other Commands.

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European GEEIA Squadrons have been informed that we have the option to call upon the 2877th or 2878th GEEIA Squadron to obtain Team assistance for counting material applicable to AirCom schemes. In accordance with instructions received from Headquarters GEEIA a weekly progress report has been established for all Squadrons. The report will contain only a simple percentage of completion of the project.

In lieu of specific instructions as to the exact responsibilities of the Region in accomplishment of the count, it was decided that all CE material identified with schemes would be counted, including Jacket File Records maintained by local Base Supply Officers. Forms were designed to accomplish the count of schemes for which no Brown Line Listings were received.

2. ROAMA CONTRACT MEETING.

Lt Col Fox and Mr. Anderson of this Headquarters attended a meeting, held in the Directorate of Procurement and Production of ROAMA, on 11 Jan 60. The use of Open-end Contracts in support of European GEEIA Regional requirements was discussed. The procedure was decided on wherein European GEEIA Region will submit work statements and specification to Headquarters GEEIA.

Headquarters GEEIA will then submit a purchase request, including European GEEIA specifications, to the Directorate of Procurement and Production of ROAMA. ROAMA will then issue call within 30 days after receipt of acceptable purchase request from Headquarters GEEIA. Query to ROAMA procurement personnel regarding the possible use of European Contracters was answered affirmatively, and that no mandatory requirement existed which would compel European GEEIA Region to use ZI Open-end Contracts.

3. RPO PROCEDURES.

Proposed procedures, to be followed by RPOs, which was sent to all European GEEIA Squadrons for information and comments, has now been returned. Comments are being evaluated and it is anticipated that the procedure will be published in the near future.

4. BATTERIES FOR INSIDE TELEPHONE PLANT FOR EVREUX, AF HOSPITAL, FRANCE.

Information has been received from ROAMA to the effect that research of the retired contract files is being made to determine if an amendment was made to the original contract for the telephone system to allow procurement of the battery kit at a later date. In addition, attempt is being made by ROAMA to identify the battery kit with a valid stock number to allow positive supply action if the identical item or an acceptable substitute is available from existing stocks. Additional information on this subject is expected from ROAMA.

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5. ISSUANCE OF SHIPPING INSTRUCTIONS.

Several instances have arisen recently wherein shipping instructions have been requested by ROAMA directly from the Squadrons of European GEEIA Region. Since this is contrary to present management policy and to procedure currently in effect wherein all shipping instructions originate from Region Headquarters, ROAMA has been asked to send all future requests of this nature to this Headquarters. Squadrons have been instructed to take no action on any such messages received.

6. TRANSFER OF ACCOUNTABILITY FOR PARTIALLY SHIPPED SCHEMES

Information was received, indirectly, to the effect that ROAMA message ROSXE-1-15-E indicated accountability Transfer from local Base Supply Accounts to CESAC would be accomplished as of 1 May 1960. This information was furnished to 16 Air Force by message. The message which this Headquarters sent to 16th Air Force was, in turn, quoted, by 16th Air Force, to Headquarters SAC. In the message which was dispatched to SAC, 16th Air Force stated it was the opinion of that Headquarters that the action taken to report on hand assets to ROAMA, prior to 30 September 1959, was, in effect a transfer of accountability back to ROAMA/CESAC. All available information, relative to this confusion has been furnished to ROAMA and Headquarters GEEIA for any action deemed necessary.

7 SECURITY SERVICE SCHEMES.

Policy has been established wherein Security Service will furnish RPOs for schemes following under jurisdiction of that organization and necessary information regarding these RPOs and regarding shipping instructions for changes, to Headquarters European GEEIA Region. Under this policy shipping instructions and the names of RPOs will be furnished ROAMA by this Headquarters for Security Service Schemes.

8. STORAGE SPACE FOR SCHEME MATERIAL

Information has been received which indicates SAC has directed full cooperation of all Base Commanders under jurisdiction of that Headquarters, in furnishing segregated storage space for all scheme materials, denying access to all but involved Transportation and GEEIA Installing personnel. This is in accordance with provisions contained in the RPO procedures which we have written to implement the policy of retention by CESAC, of accountability for all scheme materials shipped for installation.

9. ORGANIZATIONAL SUPPLY.

a. Totalcost of expendable office supplies received and consumed by this Headquarters for the month of Jan 1960 was $ 457.98.

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b. The following items were received from the L 30 for use by 's Headquarters in the Airmen's barracks:

Wardrobe	ea 28
Cot folding	ea 10
Mattress	ea 10
Pillow	ea 11
Floor Lamp	ea 5

c. The following items were received for office use by this Headquart

Picture frame	ea 23
Section Bookcase	ea 29
Blackboard	ea 1

10. VEHICLES

a. Vehicle Reports RCS-AF-D51 were received from all GEEIA Squadrons for review and submission to Headquarters GEEIA.

b. Comments and views on replacement of V-18 truck with skid or trail mounted earth auger were received and reviewed by this Headquarters and forwarded to GEEIA for further evaluation.

c. Truck V-18 excess to the needs of the 2873rd GEEIA Squadron was shipped to the 2871st GEEIA Squadron to fill UAL requirement.

11. CABLE YARD.

a. As ets in the AB Cable yard under the accountability of AFB 5604 have been inventoried. Cable requiring re-rolling has been re-rolled. Listings of assets have been made for ready reference to check availabilit of cable for schemes requiring materials from local assets.

b. 16,350 feet of cable from local assets has been shipped to Bitbur for an active scheme.

c. 800 feet of 50 pair LC cable was shipped from local assets to alleviate a work stoppage at Torrejon AB.

12. UAL CHANGE REQUEST.

a. Climatic equipment UAL Change Requests for all GEEIA Squadrons hav been approved by Headquarters GEEIA. Equipment is required for GEEIA Installation Teams.

b. UAL Change Request for equipment authorizations for use by this Headquarters have been approved by GEEIA. (53 Line items). Request for 15 each electric typewriters was reduced to 10 each by Headquarters GEEIA.

c. UAL Change Requests for 151 Line Items Amendments to all GEEIA Squadron UAL's have been screened, reviewed and forwarded to GEEIA for approval.

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OFFICE OF PERSONNEL AND ADMINISTRATION

PERSONNEL DIVISION

INTRODUCTION

Best depicting the pursuits of the Personnel Division during January 1960, are the classic words of Froude - - - "Human improvement is from within, outwards." Figuratively speaking, "pay dirt" was realized in a significant area of the Region Personnel Quality Control Program - - - quality of airman performance reports. Through a recent survey conducted at Headquarters GEEIA, it was learned that this command received the lowest percentage of discrepant airman performance reports during the period 1 October 1959 to 1 December 1959. This percentage, however, including those attained by other GEEIA Regions, did not cover minor errors which had been corrected at that level in an effort to minimize the rejection flow. Notwithstanding, concerted efforts are again being made toward greater improvement within the European GEEIA Region. Other endeavors toward improvement are included in the paragraphs to follow.

1. ADMISSION AND DISPOSITION SHEETS

Recently, the 7100th Air Base Wing Accounting and Finance Office conducted an audit of our personnel records. It was brought to our attention that the submission of military pay orders to stop BAS for hospitalized airmen drawing separate rations, was not being accomplished in certain cases, within a reasonable length of time. The auditors were advised that this irregularity was being caused by late and/or non-receipt of admission and disposition sheets from the USAF Registrar's Office. A letter was subsequently dispatched apprising the Registrar of the foregoing, emphasizing that in order for this headquarters to promptly abide by the provisions of paragraph 20110b, AFM 173-20, it is imperative that A & D sheets be made available immediately following hospitalization and release of our assigned personnel. Result: Admission and Disposition Sheets are now being furnished this headquarters on a daily basis.

2. RCS REPORTING PROCEDURES

Due to the distant geographical separation of our squadrons from this headquarters, coupled with mail delays, the degree of reporting effectiveness, particularly in the area of RCS reports, has been erratic. To alleviate this condition, plans are under way to implement a new concept in reporting procedures for this command.

Specifically, we plan to:

a - Control submission by establishing dates reports are to be mailed from the units. These dates have been advanced

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to allow for (1) a generous "in-transit" period, (2) review and/or consolidation of data at this level, and (3) insure sufficient mail time to other reporting echelons, within their established due-in dates.

b - Have commanders or their designated representatives insure that "mail dates" are factually recorded on the face of each envelope transmitting reports.

c - Conduct a periodic survey and announce the comparative reporting effectiveness to the commanders of each reporting unit.

d - Publish and disseminate a European GEEIA Region RCS Instructions Booklet. As changes in instructions occur and new reports are required, revised sheets will be furnished.

3. REGION PERSONNEL STAFF VISITS

Until recently, this division had been functioning without benefit of adequate manning. Consequently, it was not in a position to offer guidance and assistance to any of the squadrons through the medium of staff visits. However, since the staff manning has increased to an appreciable degree, a visit was made during the month, to the 2872nd GEEIA Squadron. During this visit, assistance was rendered in the major aspects of Personnel and Administration. It proved to be quite beneficial, mutually, and gave this division a better in-sight of the circumstances, problems and conditions faced by that unit.

4. REQUIREMENTS FOR AIRMEN IN GRADES E-8 AND E-9.

In reply to a letter received from Headquarters AMC concerning projected requirements for this command in Senior and Chief Master Sergeant grades, the following data was submitted:

AFSC	Grade	Number	Unit
30480	E9	1	Hq, European GEEIA Region
30480	E8	1	2872nd GEEIA Squadron
36180	E9	1	2874th GEEIA Squadron
36280	E9	1	2874th GEEIA Squadron

5. CLASSIFICATION BOARDS

A second attempt to obtain classification board authority for the squadrons, under the provisions of AFR 39-391, met with no favorable response from higher headquarters. The request iterated that delegation of this authority would wipe out a pressing problem area which most GEEIA squadrons encounter frequently. On many ocassions, cases

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requiring classification board action are unnecessarily delayed because of extensive and/or constant absence of individuals concerned due to temporary duty. Too often, there is insufficient time between the individual's return from TDY and subsequent departure on a new TDY mission, to meet the schedule of base boards. For the unit to adjust mission requirements to coincide availability of its personnel in meeting routine administrative procedures certainly does not appear to be in the best interests of the command. Higher headquarters has encouraged a more closer coordination between unit and base in eliminating many of our classification problems. It was further suggested that an adequate scheduling system be established and closer monitoring of administrative practices concerning classification actions. If, after exercising the foregoing suggestions the problems still prevail, complete circumstances should be forwarded by units for study at higher headquarters.

6. COMMAND MANNING STATUS

As of 31 January 1960, the manning strength of this command was as follows:

CATE-GORY	HQ EUR GEEIA REGION		2871ST GEEIA SQUADRON		2872ND GEEIA SQUADRON		2873RD GEEIA SQUADRON		2874TH GEEIA SQUADRON	
	Auth	Asg	Auth	Asg	Auth	Asg	Auth	Asg	Auth	Asg
OFF	23	19	4	4	5	4	5	3	6	6
AMN	83	49	72	55	94	78	87	77	199	159
DAF	22	20	1	1	2	2	2	2	1	1
LWR	11	11	0	0	6	6	4	4	4	3
CTS	35	34	7	7	6	6	7	7	2	2
TOTAL	174	133	84	67	113	96	105	93	213	171

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OFFICE OF PERSONNEL AND ADMINISTRATION

ADMINISTRATIVE SERVICES DIVISION

1. PUBLICATIONS REQUIREMENT TABLE

Requirements from each section were consolidated and submitted to the 7101 Air Base Wing to effect automatic distribution of Air Force and USAFE Publications.

2. ADMINISTRATIVE STAFF VISIT.

A representative from this division visited the 2872 GEEIA Squadron as a member of a team performing a staff visit to review the administrative operation of the unit. A detailed report is being prepared covering the visit.

3. ADMINISTRATIVE DISCREPANCIES

A record was kept of discrepancies noted on outgoing correspondence and messages. 18% of the total number of items prepared were returned to the originator for corretions. This is approximately a 50% improvement over the previous month.

4. INDEX TO EUROPEAN GEEIA REGION PUBLICATIONS

A new index has been published for all European GEEIA Region Publications. A package of all publications is being assembled for distribution to GEEIA, Offices within the Headquarters and subordinate units. Distribution will be made on or about 15 February 1960.

5. SECURITY VIOLATION

On 13 January 1960, a confidential message was received from the Communications Center through unclassified channels. The Communications Center was notified of the incident, who in turn notified the sender. The message was downgraded to unclassified.

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6. ORGANIZATION JURISDICTION

Due to recent re-organizations throughout Europe and the changes of areas of responsibilities, difficulties are being encountered in determining which units are under whose jurisdiction. As a solution letters have been sent to the various Commands requesting copies of their current organization charts with a listing of key personnel. Some charts have been received, and the information thereon should satisfy our needs.

7. LETTERHEAD STATIONARY

A request has been submitted to USAFE Publications and Printing Division for Letterhead Stationary. We anticipate delivery on or about 10 February 1960. We have about a 15 day supply on hand.

8. SECURITY INSPECTION

An inspection of all Staff Agencies was conducted on 26 January 1960 in accordance with AFR 205-1. A written report was furnished each office for file.

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EUROPEAN GEEIA REGION
APO 332, New York, NY

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(Captain L. L. Huber)

February 1960

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OFFICE OF PLANS & PROGRAMS

GENERAL

1. The personnel situation was bolstered this month by the assignment of Mr. Robert J. Mihalovic, Communications Programming, Lt. Col. Robert W. Fox, who is taking over as Chief of the Office, vice Major James H. Powell, reassigned as Chief Plans Division, and Major Ray Hadwick, Communications Programming. A program for the Base Wire and Telephone Division is still vitally needed and at least temporary relief may be realized in March.

PLANS DIVISION

1. Program Coordination:

a. AF Forms 524 processed	70
b. CEIP's coordinated	5

PROGRAMMING

1. AC&W System: As previously noted, C-E Schemes have been directed to modernize AC&W Air-Ground facilities and Radar Ancillary items. These schemes were directed on the assumption that CEIP's 2A11Q and 2A23Q would be approved. Because the facilities involved are tactical (UAL), we have no plant-in-place records nor ICSS line items for engineering guidance. Two meetings were held this month with 17AF in an attempt to obtain the necessary utilization plans and equipment records. It was found that the equipment list contained in the CEIP's was incorrect. Some utilization plans were received, however, more data is required. A meeting is tentatively scheduled for 8 March 1960, to complete the planning for these facilities.

2. Program Phase of Base Wire and Telephone Development Schedule: A European GEEIA Region procedure for implementing the program phase of the Base Wire and Telephone Development Schedule was established this month. This procedure requires the telephone engineer to be briefed by the Program Control Officer prior to departing on a Base Wire and Telephone Development Schedule semi-annual visit. The briefing consists of information on the Base and Units missions as taken from the Bases, Units & Priorities (PD) and on-base structure development as taken from the Military Construction Program (MCP). During the engineer's visit to the base he will contact the base communications office, Base Installations Engineer (BIE), and other members of the Facility Utilization Board to obtain all data possible on future telephone requirements. All requirements will be included on his development schedule as required by T.O. 31W-1-18. Upon return from the base visit the engineer notifies the Program Control

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Officer who convenes a meeting attended by the engineer, Programs Control Officer, a member of D/Instl and D/Mat to determine validity and ways and means of implementing requirements gathered from the engineer's notes. Minutes of the meeting are written to include all requirements proposed by the base, whether or not program action is required, method selected for implementation, and target dates established for various actions required to fulfill the requirements. These minutes are forwarded to the Major Air Command with request that the Command indicate approval or disapproval of all requirements outlined in the minutes. Upon receipt of command approval for the requirements, scheme directives are issued to Directorate of Engineering by the Programs Control Officer and scheme action commences.

3. Seventeenth Air Force Programming Conference: Seventeenth Air Force convened a Base and Wing communications offices programming conference on 11 and 12 February 1960. European GELIA Region representatives attended and presented discussions on GELIA responsibilities, concepts of operations and C-E Engineering and Installation Implementing Procedures as outlined in T.C. 31-1-8 and 31W-1-18. As evidenced by the interest and questions submitted from the floor, there had been a lack of full understanding of responsibilities and procedures in various phases of the overall C-E Program. This medium of education proved very successful.

RESOURCES MANAGEMENT DIVISION

1. FY61 Financial Plan: The FY61 Financial Plan was prepared and submitted in accordance with instructions from Headquarters GELIA, limited to the contractual services, travel and material requirements. A total of 2.4 million dollars was projected on the Facility Financial Data Cards which enumerated the contractual services requirements.

2. FY60 Financial Program: Due to a reduction in third quarter allotment, and the receipt of the Annual Budget Authorization in an amount which did not approximate our annual requirements, it has been necessary to revise the contractual installations program within available resources. The funds in support of contractual installation work, which was developed to support category 2 and 3 projects, plus the weather facilities, was reduced by 44 percent. Action is being taken to re-evaluate the contractual services program to determine what requirements in a commitment status can be deferred. The uncommitted funds will be utilized to support the highest priority projects.

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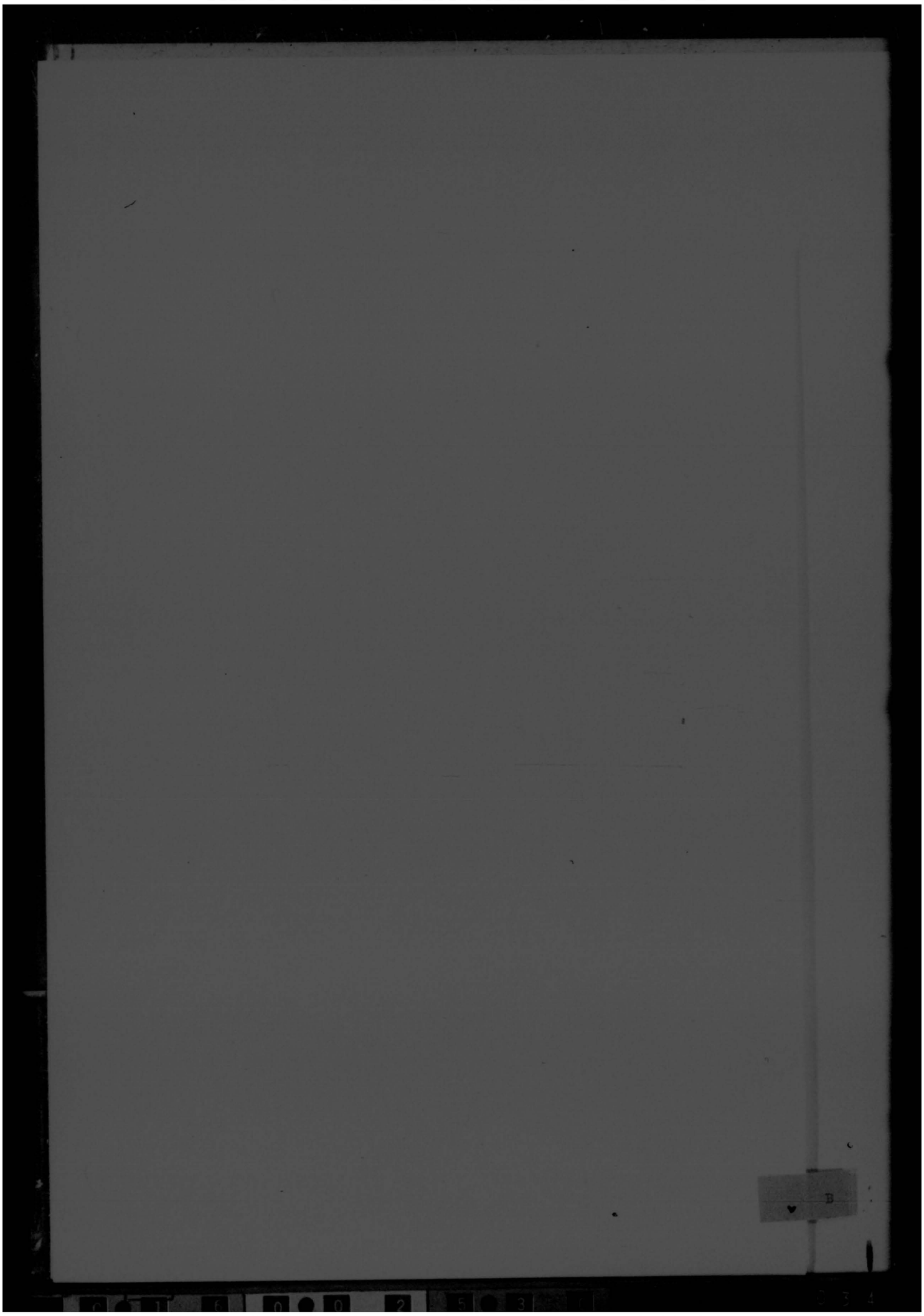

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OFFICE OF SCHEMES MANAGEMENT

1. Screening, Research and Correspondence. The screening of completed scheme files is complete. Follow-up action has been taken on all remaining schemes held in suspense to clear exceptions to installation as indicated by entries in part III of the AFTO Forms 88. All of these schemes had been dropped from active files and registry documents in the past without official notification to terminate GEEIA responsibility. It became most apparent, that the 'General Location' correspondence folders in the active scheme files had become too convenient a place to deposit correspondence without further research to ascertain exact scheme to which it applied. These 'General Location' folders have been half eliminated from scheme files. Each has been thoroughly screened to find correct, specific scheme to which the correspondence applies. This screening will continue until all similar files are eliminated. Some correspondence found in these folders dates back to 1952 or pertains to schemes and projects long since dead and forgotten. All other files of a General nature have been discontinued. Request that correspondence sent to ZEB for file be identified by specific scheme designator or designators. Total designator is not required for identification. Complete identity for filing purposes is obtained from location, facility and serial number, ie AC/4-2220-617.9-L, BD99-3415-218A0-L, etc. Job numbers should be identified in exact same way preceded by words 'Job Number'. Unidentifiable correspondence will be returned to office of origin for their file or further identification. Since the wall to wall inventory has drawn to a close, 1 greater file load was received. Approximately 12,000 pieces were processed. Over half of this consisted of re-identified documents found in 'General' folders. Thirty-six messages were received, five dispatched and one-hundred-thirteen letters were processed from the office during February.

2. Scheme and Job Statistics:

Schemes as of 1 February 1963	1194
New schemes directed by Plans & Programs	73
Schemes completed	56
Schemes cancelled	35
Total schemes active 28 February 1963	1196

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Total jobs active 1 February 1960	149
New jobs directed by Plans & Programs	17
Jobs completed	33
Jobs cancelled	7
Total Jobs Action as of 29 February 1960	121

3. ROMM H-1 Report.

a. The ROMM H-1 report updated by GEEIA was correlated with the records at this Headquarters. Cover letter from GEEIA stated that this report now constituted the European GEEIA Region total work load. The following are the results of research at this Headquarters against our records:

(1) 108 Jobs not listed but active

(2) 12 listed jobs had been cancelled

(3) 63 jobs listed had been completed

(4) 377 Schemes active but not listed

(5) 12 Schemes listed had been cancelled

(6) 149 Schemes listed had been completed

(7) 33 Schemes listed had been duplicated in report

(8) 19 Schemes listed could not be correlated

(9) 177 Schemes listed had errors in scheme designator

b. The approved, revised GEEIA Regulation 100-5 was received. Message ROZICC-[illegible]-96-[illegible] transferred ROMM H-1 responsibility to European GEEIA Region. On 25 February 1960 special arrangements were made with USAFE statistical services to correct this report and up-date same. Three phases are to take place:

(1) By 0830 hours 29 February 1960 the source document for all schemes and jobs listed in last run by USAFE but not in GEEIA run will be submitted to stat. A consolidation and print out of total GEEIA report plus omissions stated was furnished at 1300 hours on 29 February 1960 by USAFE.

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(2) Omissions, deletions, cancellations and errors were to be hand corrected on consolidated run and specially coded. Stat would machine, hand sort and correct all changes especially coded to eliminate these errors.

(3) Source documents would then be accepted for all those omissions that did not appear either in GEEIA updated report or last USAFE report. All additions since last date report was up-dated would then be processed.

(4) New and final up-dated report will then be consolidated and printed.

7. Personnel and Manning: Eight permanent personnel now assigned. Three experienced personnel arrived, two from 2871 and one from 2872. The second person from 2072 originally scheduled was eliminated for transfer for administrative reasons. Two statistical data processing personnel were also processed in toward last of February. The airman will devote entire time to the requirement of DOAL H-1 report by this headquarters. It is planned to have these work at USAFE stat services and be liaison personnel for our requirements.

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DIRECTORATE OF ENGINEERING

1. RADAR-ELECTRONICS DIVISION:

a. Programs-Current:

(1) 412-L System Meetings:

(a) A series of meetings to develop a suitable building configuration have been held. These meetings were to assure that buildings constructed for future requirements are compatible with requirements for the USAFE equipment. Primary source of input information for USAFE requirements has been the Engineering Services Contractor (General Electric Company). The European GEEIA Region has participated in these meetings as an extension of the Headquarters GEEIA systems engineering function.

(b) Investigations are being conducted in the area of digital data transmission to establish technical characteristics of channels required for the 412-L system. Definition of channel characteristics are required for preparation of a CEIP for suitable intersite communications for the USAFE program.

(2) Installation inspection of the new radar and arctic tower at Site 2 was accomplished on 2 February. Inadequacies of the installation were coordinated with ZDI, Bendix contractor personnel, and 7030 Air Base Wing DIO for correction.

(3) Installation of radar and tower at Site 3 was completed and 72 hour shakedown test commenced on 23 February. Installation inspection is scheduled for first week in March.

(4) Several meetings were held with representatives of USAFE, 17 Air Force, 501 TCW, and 7030 ABW to determine engineering-installation requirements at Langerkopf. Site surveys were accomplished, and detailed BOM's will be prepared upon receipt of equipment inventories being prepared by 501 TCW. Engineering progress on these facilities is hampered because we have not been provided the long-range guidelines. This resulted in numerous trips by our engineers to accumulate the information necessary to proceed with the detailed engineering.

(5) Reports have been received from 16 Air Force and SPAACS of difficulties with precipitation interference on the Madrid RAPCON. Team from 7420 Support Flight has performed evaluation and recommended testing with a circular polarization modification kit. Headquarters GEEIA has advised us such kit has been developed as an Air Force standard. Analysis of 7420 Support Flight's evaluation will be accomplished and follow-up action taken to assure improvement in operation of this facility.

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(6) Request has been received from 7310 Support Group to investigate radar interference at Rhein/Main (German ASR). It has been determined that we can provide assistance and ZZF is being requested to assign the necessary job number.

b. Programs-Future:

(1) Engineering for the modernization of ground/air facilities at AC&W sites other than Langerkopf is being held in abeyance pending results of meetings presently being held on the 412-L weapons system. Site surveys will be accomplished and engineering commenced as soon as sites and requirements are firm.

(2) Field surveys for the removal of RATCC facilities at Lakenheath and Brize Norton will be combined with the installation inspection of the newly installed RATCC Facility at Upper Heyford.

(3) C-E scheme designators have been assigned for the modernization of the RAPCON (AN/FPN-34 and AN/FPN-31) Facility at Lajes. Site survey is scheduled during the month of March.

(4) Information has been supplied to the 3 Air Force on location siting for new AN/FPN-34 radar at Wattisham RAPCON. Scheme directive is expected momentarily.

2. FLIGHT FACILITIES DIVISION; Programs-Current:

a. GCA UHF Communications: A survey was conducted at a local air base to determine the inherent remoting capabilities of the CPN-4/MPN-11 GCA system. At the present time there is no approved method of terminating the remoted UHF equipment in the GCA system. As a result of this, remoted multi-channel UHF equipment is being installed at various air bases in USAFE and, in most cases, is not being utilized. Only single channel capabilities exist at the majority of those air bases that are utilizing their remoted equipment. The 17 Air Force requested that we determine a method of terminating the UHF equipment in the GCA system utilizing existing GCA communications circuitry. In addition, channelization capabilities should be provided. Since the HF circuitry in the GCA system is not being utilized, the feasibility of utilizing this circuitry was investigated. It was determined that a feasible system could be developed which would require no additional wiring in any of the GCA communications components. Reduced cable requirements can be established through the use of duplexing relays.

b. Runway Supervisory Units: Site surveys for runway supervisory units were conducted at 12 air bases. Hardstand construction requirements to implement this program were requested from USAFE. A GCA wave-off control system was developed and is presently in drafting. This system is selective between any two operating positions in the GCA Van, therefore, confusion as to which aircraft should be waved-off is eliminated. The entire system will be procured through local

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resources and will be utilized at all air bases scheduled for the AN/MRN-20.

c. Multi-Channel Tape Recorders: During the past several months, USAFE has generated a program for off-shore procurement of a number of 14 channel tape recorders for use in air traffic control towers and RAPCONs. Acting in behalf of USAFE, the U. S. Army Signal Procurement Center in Frankfurt issued proposal requests in January for sealed bids on nearly a third of a million dollars worth of recording equipment and magnetic tape. Subsequently, in February, USAFE informally requested GEEIA furnish assistance in the technical evaluation of the equipments and tapes offered by several manufacturers. One of our engineers accompanied USAFE and [redacted] representatives on several visits to the Signal Procurement Center for consideration of the bid proposals. He made a study of the technical features of the equipments and tapes offered by several manufacturers, and wrote a report to USAFE summarizing outstanding technical differences in the equipments. The contract now is under negotiation for 33 recorders, 32 playback units, and 60 rolls of magnetic tape for each recorder. The contractor will make the installations and provide maintenance for one year. The first five units will be delivered to USAFE in June. We have received the priority list from USAFE, and are proceeding with site surveys and allied support letters accordingly.

3. WIRE COMMUNICATIONS DIVISION:

a. Personnel:

(1) Mr. R. Lacey returned to Headquarters GEEIA after completing the CTA-6 scheme for Langerkopf. As a result of Mr. Lacey's previous experience in engineering this type of facility, he was able to make several improvements in the engineering of the scheme.

(2) Mr. Sands, Chief of the Wire Communications Division, attended a 17 Air Force communications conference at Ramstein Air Base 11-12 February 1960. The 17 Air Force was reassigned from Wheelus Air Base, Libya to Ramstein Air Base, Germany, during November 1959 and assumed command of the units in Germany, France and Italy previously commanded by Headquarters USAFE (ADVON). The conference was called to brief 17 Air Force units on the policies of the new Headquarters and to give them an opportunity to acquaint the Headquarters with their problems. Mr. Sands briefed the conference concerning the necessity of five-year planning in the base wire and telephone system area and discussed the adverse effects of inadequate planning.

b. Programs-Current:

(1) As stated in the January 1960 Monthly Summary, "Our major difficulty at the present is the apparent inability of the major commands to realize five-year planning". A conference has

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been scheduled with USAFE, our major user, 7 March 1960 to discuss ways to more effectively plan at all echelons for expansion and modernization of wire communication facilities.

(2) Headquarters GEEIA's actions to contract base wire and telephone development schedules in this theater has caused concern at this Headquarters and Headquarters USAFE. The timetable for developing the base wire and telephone system schedule was forwarded to USAFE 15 February 1960 (Copy was not furnished this Headquarters, but was provided to us by Headquarters USAFE.) and listed bases that have not been activated, that have been deactivated or returned to the host nation, etc. We do not have any knowledge of the terms of the contract nor of this Region's required participation in the program. It is felt, however, that considerable manpower and GEEIA funds may be wasted if this program is not controlled, monitored and directed by the regions concerned. It should be noted (from preceding items) that we have recognized our responsibilities to the commands and bases and have taken positive steps with Headquarters USAFE to effect a feasible program of base wire and development planning which will effectively merge materiel forecasting, semi-annual and development visits.

4. RADIO COMMUNICATIONS DIVISION; Programs:

a. United Kingdom Microwave: Several meetings were held with representatives of USAFE, 3 Air Force, USAFCF, SHAPE and GEEIA regarding this microwave system. The two major points were resolved at these meetings:

(1) SHAPE will provide space and power at their Cold Blow Lane Tropo Site and be provided in return for certain channels from Cold Blow Lane to Hellingdon. These channels can be provided by a minor re-allocation of equipment presently under contract.

(2) Due to various circumstances it will be necessary to make revision to the original contract:

(a) As a result of path loss tests, in some cases the mast being supplied will not be of sufficient height and taller towers will be required.

(b) In several instances the installation must be made in a building rather than the vans. The original contract makes no provision for such an installation.

b. USAFE Microwave: The work statement covering the Bravo leg of this system has been completed in draft form. However, several of the drawings supplied by 17 Air Force which supposedly show the ultimate installation differ in important details from previous station drawings. A survey of this leg will be required prior to publication of the work statement.

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c. Morocco-Spain-United Kingdom Troposcatter: An engineer from this Division and a representative of ZBI are representing this Headquarters during the performance testing and acceptance of the San Pablo-to-Sidi Slimane expansion for this system.

d. Site I-5: Five months ago we requested that most of the area acquired at Site I-5 for the transmitter antenna farm be returned to the original owners and a new plot immediately adjacent to the present plot be obtained. Part of the present plot is planted in olive trees, some of which must be removed if we are to install antennas in this area, whereas the proposed area is presently planted in wheat. We were advised during this period that the host government was reluctant to reopen this case and desired that we use the original plot even though some trees will be destroyed.

e. USAFE HF SSB Network: Headquarters GEEIA has established SFEL package FB-5B-26 for the Collins Radio Company KWT-6/5 transceiver and package FB-6A-16 for the Collins Radio Company 237A-1 log periodic directional antenna. Configuration of the omni-directional antenna to be employed in the network is still a matter of discussion between Headquarters GEEIA, European GEEIA Region, and Headquarters USAFE. Headquarters USAFE is presently working on revision of CEIP 4C010 to reflect the current planning and programming.

f. Athens AirCom Facilities: The 5,000 gallon fuel tanks and generator panelboards for the transmitter site which have been missing have been traced and found to be enroute from Sidi Slimane. It has been determined that ROAMA has no electronic power distribution panels which were to have been GFE for the CRC, transmitter site and remote relay site. Two each BOM 540 panels are surplus at Adana and an attempt has been made to have these panels diverted to Athens. 11 each BOM 1113 panels are still required and attempts are being made to have these supplied by the contractor. Layout data for unistrut support inserts in the CRC ceiling has been prepared and will be furnished the Corps of Engineers upon completion of drafting and reproduction.

5. ENGINEERING CONTROL OFFICE:

a. Activities:

(1) Two independent statistical reports of engineering manpower utility were prepared for the Director of Engineering during the first part of February covering the month of January 1960. The first of these tabulated the time expenditures in the Directrate of Engineering (ZEM), and the second was prepared from time cards received from the engineering field offices (ZELS, ZELN, and ZELE). Although prepared independently an interesting coincidence appeared, namely that th percentage of types of engineering effort were identical at the field offices and in the Directorate. 57.5% of the man-hours was spent on work in direct support of our workload; 32.7% was spent in indirect work, and 9.7% was consumed by leave and holidays.

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(2) A field office misunderstanding concerning the master engineering assignment number list occurred in February. It was erroneously interpreted that this reference list actually assigned the field office's workload. It was reaffirmed that only engineering assignments actually transferred by letter would be the responsibility of the field offices. Further distribution of the master engineering assignment number list has been discontinued on a wholesale basis. Division and field office workload will be recognized only by the issuance of GEEIA Form 3 (Engineering Assignment).

b. Schemes and Jobs:

(1) The Directorate of Engineering received 101 new assignments furing the month of February. During this same period, 29 schemes or jobs were reported as completed or cancelled.

(2) As of 29 February the engineering divisions have the following workload:

ZEMN - 13 jobs, 204 schemes
ZEML - 63 jobs, 73 schemes
ZEME - 27 jobs, 96 schemes (Schemes estimated in part.)
ZEMA - 3 jobs, 22 schemes
ZEMS - 10 jobs, 0 schemes

Totals: ZEM 116 jobs, 395 schemes

(3) During February the engineering workload has increased by 92 schemes and decreased by six jobs.

6. ENGINEERING SUPPORT DIVISION:

a. Personnel:

(1) Staff Sergeants Jesse D. Houston and Wesley W. Siegrist, 22350, reported for duty on 18 February 1960 and are presently assigned to the Drafting and Reproduction Branch of this Division.

(2) Airman Third Class Lynn D. Kieper, 22230, reported for duty on 25 February 1960 and is presently assigned to the Surveying Branch of this Division.

b. Activities:

(1) Mr. Craig made a technical users inspection of the Power Facilities at Adana and Athens AirCom. He also conducted a C&E survey at Chateauroux for the purpose of determining the availability of power equipment for Wickes Van Number 6.

(2) Mr. School attended a conference at Headquarters GEEIA 1-9 February called for the purpose of modifying GEEIA Manual 80-2 to make it comply with Mil-D-70327 and other military standards.

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(3) Subsequent to a meeting with 7101 Air Base Group and USAFE publications personnel, we received their written indorsement that they are not able to support our Zerox and Multilith requirements. All correspondence has been given to ZBS for their resubmission to Headquarters CEDIA to justify our UAL request for the equipment.

c. Programs-Future: We are continuing to make progress in the preparation of Specification Masters Formats, however, we believe much information is still available at Headquarters CEDIA which would help greatly to expedite our progress and save us countless manhours of engineering and drafting time. Mr. Giers is planning to return to Headquarters CEDIA in March to obtain the missing items, etc.

d. Summary of Completed Work:

(1) Administrative: Approximately 845 pieces of correspondence both classified and unclassified were processed during this month.

(2) Drafting: Approximately 30 jobs were completed for a total of 65 sheets.

(3) Reproduction: Approximately 1,100 ammonia process prints and 2,610 ditto copies for a total of 3,710 prints.

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DIRECTORATE OF INSTALLATIONS

1. PROJECT "TANK TOP"

a. The radar installation at Site #2 was inspected and signed off during the month. Corrections to complete the radome caulking and tower caulking will be taken care of by Bendix during March. Modification of the height finders on Site #2 were started during February.

b. The radar installation at Site #3 reached the shakedown test stage at the end of the month. The installation inspection should occur the first few days of March.

c. Completion of the communications installation at Site #1 can be completed pending the arrival of the VLF amplifiers and antennas. Information from Bendix indicates this equipment will be shipped 10 March 60.

d. A final report on Project Tank Top installations is being prepared for submission to Headquarters GEEIA by 18 March 60.

2. PROJECT "PAINTED WARRIOR"

a. Two AN/TRC-35 terminals have been called-out from MOAMA project stocks for installation during April. This equipment will be installed in housetrailers, which will be provided by the contractor.

b. Teletype equipment on hand at South Ruislip for scheme 011A9 has been shipped to Italy to fill BOM requirements for 119A0-L scheme. The equipment is at the site and will be installed early in March to coincide with installation of the rest of the circuit.

3. MED-SPAIN-UK TROPO

a. Installation inspection and tests of the San Pablo-Sidi Slimen circuit took place during the last week of February.

b. Land procurement at Ringstead, England has not been completed. Construction of the Spain-UK circuit is delayed until the real estate is available.

4. AWS METEOROLOGICAL SCHEMES:

Considerable information received from various field agencies has been compiled as a supplement to the European GEEIA Meteorological Scheme Status Report, dated 26 Jan 60. This supplement, dated 29 Feb 60, will be forwarded to all interested units with a request to up-date the report by notice to ZEIFC not later than 20 Mar 60. This will allow completion of a comprehensive report required by Headquarters GEEIA not later than 20 Apr 60. Close

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coordination between all Directorates of the European GEEIA Region has resulted in compliance with all phases of the AWS Installation Program, formulated at the 11-14 Jan 60 conference at Headquarters GEEIA.

5. RHEIN CONTROL

a. The radar tower, AD-313, was found to be approximately 20% short of needed material. Some bolts and structural steel has been picked up from excesses at Langerkopf and Wasserkuppe tower installations.

b. A radar team chief was placed on TDY to this installation from the 2873 GEEIA Squadron, England. A radar team is required to expedite installation. A team has been requested from the ZI, and at the same time efforts are being made to release the radar team presently required at Upper Heyford, England.

c. Additional personnel have been assigned to the installation by the 2874 GEEIA Squadron, and Warrant Officer Nick of that Squadron has been designated Project Officer.

d. Alignment of the control room has been resolved in a meeting with operation personnel of 17 Air Force and CENTAUR.

e. The 16 SIF units require modification. This modification requires approximately 20 manhours for each unit.

f. The UHF and VHF radio equipment for Air-Ground Communications was provided from theater resources, and was received in deplorable condition. An MDA team was requested and moved on site 23 Feb 60. Additional MDA personnel have been assigned, due to the workload.

g. A mobile radar MPS-11 is to be placed in operation at the site on 7 March 60, to provide control until the fixed facility can be completed.

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DIRECTORATE OF MATERIEL

1. PROJECT COUNT

The European USAFA Region portion of Project Count was completed 29 Feb 60. Approximately 50% of the Region's Installation Squadrons' personnel capability was utilized throughout February for this job. The total inventory counted on the Project included 15,633 line items in 558 CE Schemes at 96 Bases and Sites.

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OFFICE OF PERSONNEL AND ADMINISTRATION

PERSONNEL DIVISION

INTRODUCTION

The most salient of events occuring during February 1960, was the participation of C/O, W-2 Hansford and TSgt Eugenio, in the GEEIA Personnel Conference held at Griffiss Air Force Base, Rome New York, from 26 to 29 February 1960. This long awaited event opened the doors for a better understanding of the many problems and conditions, which have persisted among the Regions since GEEIA's inception. The conference proved informative, as well as beneficial. All major subjects of Personnel, Manpower, and Manning were discussed at considerable length, and the conference automatically served to answer innumerable questions which had accumulated during the past year.

1. RETRAINING INTO AFSC 306X0

Headquarters GEEI's recently notified this command that all future projects dealing with communications security equipment for scheme preparation and installation, will be delegated to the GEEIA Regions. That headquarters is presently engaged in the pre-engineering and coordinating of a crypto security CEIP which will be world-wide in scope. Essentially, the Regions will not require KW-26 personnel to prepare CE schemes. Local crypto personnel will be responsible for the installation and check out of TSEC/KW-26 equipment. However, the GEEIA Regions will be required to furnish assistance on the foregoing, when required. In addition, it is anticipated that military technicians may be required to accompany engineers on site surveys and related actions. To cover this possibility, it became necessary to identify those airmen within our own resources who would be suitable for retraining into AFSC 306X0, and who were crypto-cleared. A total of three airmen were selected and have been scheduled for special training (TSEC KW-26) through Headquarters USAFE's training capabilities at Croughton, England.

2. ASSIGNMENT OF PERSONNEL

In conjunction with the inactivation of Detachment 2, 13th Communications Squadron (USAFE), and assumption of certain USAFE responsibilities by this command involving completion of schemes, eight USAFE airmen were reassigned PCA without PCS to the 2872nd GEEIA Squadron, with permanent duty station (operating location) at Nouasseur Air Base Morroco. These airmen will remain under the 2872nd GEEIA Squadron's operational jurisdiction until completion of responsibilities involved, after which time, further disposition will be at the Commander's discretion, subject to eligibility and service retainability factors.

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3. SUPPLEMENTARY TRAINING COURSE

A letter was received from Headquarters GEEIA, announcing that a supplementary training course to accomodate GEEIA requirements in the communications and electronics field is under consideration. This course would provide training to a portion of airmen earmarked from the Training Command into GEEIA. Comments concerning our reaction to this proposal have been requested. In order to form a basis of reply which would be representative European GEEIA-wide, correspondence was indorsed to all units eliciting their comments and recommendations. In addition, the Director of Installations was requested to advise this Division of the feasibility of this proposal.

4. OFFICER GAINS

The following named officers reported in to this headquarters during February:

Name	Remarks
Lt Col Marvin J. Anderson	Officer assumed the position of Deputy Commander of the European GEEIA Region.
Major Lincoln H. Braude	Officer assumed the position of Director of Materiel.
Major Ray E. Haddick	Duty assignment pending.
2nd Lt Joe L. Turner	Officer assigned to Directorate of Installations.

5. CONVERSION OF WARRANT OFFICER SPECIALTIES

Recent changes to AF Manuals 35-1 and 36-1, authorized the conversion of warrant officer specialties into the appropriate officer specialties during February 1960. All conversions have been completed for warrant officers assigned to this command.

6. OUTSTANDING REQUIREMENTS

Headquarters ANC message [illegible]-1-147-E, 13 January 1960, was received, advising that in order for that headquarters to equitably distribute a fair share of the June 1960 USAF Allocation, a listing of our outstanding requirements be made known by 12 February 1960. On 5 February 1960, message ZEAF-2-107-E, was dispatched to Statistical Services Division, Headquarters AMFEA, reflecting data concerned. This data was then converted into statistical documents required under the RCS: 6- F-P6 procedures, and forwarded to Headquarters ANC. A total of 11 vacancies were reported, with breakdown as follows:

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Unit	No. Vacancies
Hq Eur GEDIL Region	20
2872nd GEDIL Squadron	36
2873rd GEDIL Squadron	27
2874th GEDIA Squadron	27
Total	110

7. REALIGNMENT IN DUTY ASSIGNMENTS

Concurrent with the assumption of duties as Deputy Commander by Lt Colonel Marvin J. Anderson, the following officer assignment changes were effected:

Name	New Position
Lt Colonel Robert W. Fox	Chief, Office of Plans and Programs.
Major James H. Powell	Deputy Chief, Office of Plans and Programs.

8. AIRMEN PROMOTIONS

This command received the following quotas for the 1 March 1960 Promotion Cycle - 9 to A/2C; 24 to A/1C; and 2 to SSgt. Quota redistribution for A/2C and A/1C promotions were arrived at on a percentage basis, taking into consideration the number of eligibles reported on the 31 December 1959 RCS: AMC-P3 Report. The European GEDIL Airman Promotion Board convened during the last week of February to consider selection of individuals for promotion to the grade of SSgt. Orders announcing such selections will be published on 1 March 1960.

9. COMMAND MANNING STATUS

As of 29 February 1960, the manning strength of this command was as follows:

CATEGORY	HQ EUR GEDIL REGION		2871ST GEDIA SQUADRON		2872ND GEDIA SQUADRON		2873RD GEDIA SQUADRON		2874TH GEDIA SQUADRON	
	Auth	Asg	Auth	Asg	Auth	Asg	Auth	Asg	Auth	Asg
OFF	23	21	4	4	5	4	5	3	6	6
AMN	83	59	72	53	94	76	87	77	199	157
DAF	22	20	1	1	2	2	2	2	1	1
LVR	11	11	0	0	6	6	4	4	4	3
CTS	35	34	1	1	6	6	1	1	3	2
TOTAL	174	145	84	65	113	94	105	93	213	169

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OFFICE OF PERSONNEL AND ADMINISTRATION

ADMINISTRATIVE SERVICES DIVISION

1. EUROPEAN GEEIA REGION PUBLICATIONS

Copies of all ZE Publications published to date were packaged and furnished each staff office, squadron, Field Office and GEEIA. Original distribution was made when the directives were published, however, many were misplaced. All files should now be complete.

2. NEW PUBLICATIONS

The following HOI's were published and distributed during the month of February 1960.

39-1	9 Feb 60	Outstanding Airman of the Month
181-1	19 Feb 60	Administration, Control, Maintenance and Disposition of Records
210-1	19 Feb 60	Historical Data - Policy and Procedures

3. CORRESPONDENCE AND MESSAGE VOLUME

a. Total outgoing messages and coorespondence by office for the month:

OFFICE	MESSAGES	CORRESPONDENCE	TOTAL
ZEA	66	119	185
ZEB	6	87	93
ZEF	57	38	95
ZEI	61	29	90
ZEM	120	87	207
ZES	97	75	172
TOTALS:	407	435	842

b. Incoming Messages and Correspondence:

MESSAGES	CORRESPONDENCE	TOTAL
957	459	1416

c. Total items recorded: 2258.

d. Total classified items recorded for the month:

INCOMING	OUTGOING	TOTAL
144	48	192

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4. POSITION DESCRIPTIONS

Position Descriptions have been prepared and approved for each position authorized in this Division on the current UM&D. Individuals have been furnished with a copy of the approved description.

5. SQUADRON SPECIAL ORDERS

All orders published by the Squadrons during February were reviewed. A discrepancy list will be furnished each organization.

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EUROPEAN GEEL. REGION
APO 332, New York, NY

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OFFICE OF PLANS & PROGRAMS

PROGRAMS DIVISION

1. C-E PROGRAM COORDINATION:

a. AF Forms 524 processed 87

b. CEIP's coordinated 1

2. RELOCATION OF THE RAMSTEIN-SIEGELBACH TIE CABLE: We received a proposal from the BBP pertaining to relocation of the Ramstein-Siegelbach tie cable due to construction of a new autobahn. The agreement was to give us a free right-of-way and let them relocate our cable at the time they relocated theirs. We were to furnish approximately 50 meters of additional cable and pay half the relocation cost. A funded PR was hand-carried by a representative of ZEFF to the F&C Officer at Ramstein to expedite action on this requirement. The PR was later returned and a new course of action is being resolved.

3. USAFE-BUNDESPOST CONTRACT CONFERENCE:

a. During May 1959 USAFE initiated discussions with USAREUR to explore the possibilities of obtaining a contract through which BundesPost would perform on-base cable maintenance for USAFE. A proposed contract was drawn up by BundesPost, and coordinated by USAFE and this Region. BundesPost then proposed a conference to discuss possible changes in the contract. Representatives of ZEF and ZEN attended this conference (15 March 1960) at the request of USAFE (DCS/Comm). After contract review by conferees, USAFE proposed a paragraph addition that would state USAFE could obtain all normal BundesPost services on Air Force installations by issuing a delivery order to the local CTO. All conferees agreed the contract as amended would substantially obtain the desired services and that it should be reviewed by procurement and legal staffs of both BundesPost and USAFE.

b. BundesPost officials also requested information on the operational requirements for the communications system required to support the 412-L system. The technical characteristics and total channel requirements were not available at this time but that we had queried GEEIA Headquarters for more data. They also requested information as to the possible absorption of the USAFE system in the BundesPost network. USAFE personnel stated that they were not considering changes to the microwave system alignment.

PLANS DIVISION

1. UTILIZATION OF FY1960 RESOURCES: The goal of fully committing the Project 437 contractual resources during March was not achieved because of the absence of firm delivery dates of materiel for

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meteorological facilities. Without firm dates the contracts for trenching, backfilling and supporting structures cannot be written with realistic notice to proceed dates. Prior to issuance of any additional funds to support the meteorological facilities program, firm delivery dates must be available. We are also considering withdrawing funds already issued if the delivery dates are not received in the immediate future.

2. FY1962 BUDGET ESTIMATE: The FY1962 Budget in its abbreviated form was submitted on 30 March 1960. A total of 342 Facility Financial Data Cards were prepared and presented the workload as programmed in the PCSE.

3. DISCONTINUANCE OF SQUADRONS: Tentative approval for the discontinuance of the 2871st and the 2873rd GEEIA Squadrons has been received from Headquarters GEEIA. An initial plan is being prepared to summarize for Headquarters GEEIA and the Region Staff the proposed discontinuance of the Squadrons and the transfer of their resources within the Region. A subsequent detailed plan will be prepared to implement the proposals in the initial plan.

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OFFICE OF SCHEMES MANAGEMENT

1. Screening, Research and Correspondence. Total office staff geared to correction and publication of Region up-dated ROAMA-H-1 Report. This was phase III of up-dating and is the next to last phase prior to receipt of final, printed copy. Correspondence for file has been held from last cut-off date. All corrections generated by t is correspondence to be made on published copy of up-dated report when received and introduced into report on next change cycle. Records indicate that twenty messages were received, twelve messages dispatched and eighty-three letters sent.

2. Scheme and Job Statistics:

Schemes active as of 1 Mar 60	1196
Schemes assumed (other sources)	27
Schemes directed by P&P	57
Schemes completed	33
Schemes cancelled	34
Total active 31 Mar 60	1213
Jobs active as of 1 Mar 60	121
Jobs directed by P&P	15
Jobs completed	6
Jobs cancelled	9
Total Jobs active 31 Mar 60	121

3. ROAMA H-1 Report: Personnel directed total output toward completion of phase III to up-date the ROAMA H-1 Report. Two unprogrammed methods were used out of necessity. Both methods were explained and resolved during H-1 Conference at GEEIA on 15 and 16 March 1960. All but one other Region had used the same methods. Seperate trip report has been coordinated relating to conference. Official conference report received from GEEIA and coordinated. The two major 'musts' desired to up-date ROAMA H-1 were achieved during conference.

a. One time submission of complete new card deck to ROAMA in lieu of individual change cards.

b. Acceptance of 'Administrative Change' code for remarks code 21 by both GEEIA and ROAMA.

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4. Personnel and Manning: One additional sergant due in PCS from 2872 Squadron. When he is aboard, office will be staffed to strength required by virtue of training and experience of each individual.

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DIRECTORATE OF ENGINEERING

1. RADAR-ELECTRONICS DIVISION:

a. Programs - Current:

(1) 412-L System:

(a) A follow-up meeting to firm up all building requirements was held in Munich on 1-4 March. Construction drawings were reviewed for technical adequacy and agreement reached to proceed with construction contract negotiations. A representative of this Division attended the 412-L System Meeting at Shaw AFB, 29-31 March.

(b) Investigations into the area of digital data transmission have not succeeded in uncovering specific circuit criteria. Information from General Electric indicates the tentative criteria previously provided us was set up in the hope that circuits approximating the requirements might be obtained. Equipment presently installed in the USMTS microwave system and the Deutsche Bundespost system conforms with CCIF/CCIR recommendations, but does not provide circuitry adequate for 412-L requirements. General Electric has advised this will result in the loss of some digital data information, but they cannot advise just how much or what the effect will be on control circuits. Based on this, a determination must be made by USAF whether to continue the 412-L program in Europe. Our representative to the 29-31 March meeting at Shaw AFB will present information obtained during our investigations in an attempt to obtain such a determination.

(c) During our investigation into fixed circuitry criteria, and work being accomplished on ground/air modernization, we determined that the present operational concept will not support the 412-L system requirements. This is mainly due to the excessive number of ground/air frequencies assigned to each ground station. Additionally, the present installations are sub-standard in all respects. Thus, our program to provide engineering assistance to the 412-L Planning Group has expanded to include investigation of ground/air requirements, with the objective to provide recommendations to improve the present facilities.

(2) Site 2 - Radar Set and Tower: Representatives of this Division assisted in the installation inspection of the new radar and arctic tower at Site 3 on 3 March 1960. Bendix contractor personnel had profited from their experience at Site 2, and this installation is more complete with improvements in weather-proofing, flooring, etc.

(3) Langerkopf 2-I Requirements:

(a) Meetings were held with representatives of USAFE, 17 Air Force, 501 TCW and 7030 ABW on 7 March and on 30 March 1960. Representatives of Hughes Corporation were present at the latter meeting, and briefed conferees on equipment intended to replace AN/UPA-35 indicators.

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(b) Based on this briefing, we are no further along in engineering planning and development of installation specifications and engineered drawings than we were one month ago. Until the necessary long-range guidelines and operational concepts are firmly established, we cannot guarantee timely completion of engineered schemes and installation specifications for this facility.

(4) Madrid RAPCON:

(a) 16 Air Force and SAC have requested USAF approval for modernization of this radar set (AN/GPS-3) to include circular polarization. We have requested Headquarters GEEIA to provide us with engineering data in advance so no delays will be experienced should USAF approve this program.

(b) A request has been received from 16 Air Force to provide engineering assistance on IFF/SIF equipment installation. The necessary engineering data has been received from Headquarters GEEIA and an engineer will visit the site during the week of 11 April. Included in this trip will be investigation of reported magnetron pulling caused by the close proximity of ground/air antenna supports.

(5) Radar Interference Study at Rhein/Main: Preliminary investigation reveals the interference being experienced is very intermittent in nature, and is not evident at present. Studies are underway to provide Rhein/Main with interference patterns so it can be definitely identified when it is again experienced.

(6) Lajes RAPCON: Action on C-E schemes for the AN/FPN-31 radar and the AN/GRQ-6 microwave is being held in abeyance pending determination of the validity of this requirement. Adequate information has been obtained for engineering of the AN/FPN-34 radar and the AN/GPA-70 video mapper. Engineering for these schemes will be scheduled as early as possible based on our present workload.

2. FLIGHT FACILITIES DIVISION:

a. Personnel:

(1) Mr. C. H. Blackerby, DAFC, joined the Flight Facilities Division as Division Chief, on 11 March 1960.

(2) Mr. Verde, Southern Field Office, has returned to Madrid after completing approximately 30 days TDY with this Division.

(3) Mr. Rankin, Eastern Field Office, returned to Tripoli after approximately 90 days TDY with us.

b. Programs - Current:

(1) Site surveys for the 14-channel recorder/reproducer facilities are progressing well, with survey action completed for Germany, France, United Kingdom (except Lakenheath), and for the Eastern Field Office area. The first equipment deliveries are expected from the manufacturer in July.

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(2) Additional cable requirements for 24 re-engineered weather schemes were submitted to ZES. These requirements were developed from changes in operational concepts and the introduction of new siting criteria. Local procurement of the additional cable is planned.

(3) The backlog of schemes for Runway Supervisory Units was appreciably reduced during the month. 17 schemes, representing approximately 65 percent of the total RSU facilities now scheduled for engineering, were prepared and distributed.

c. Programs - Future:

(1) A summary of current programmed workload, in engineering manhours, is being prepared for each of the four Branches of the Division.

(2) A projection of drafting requirements for April and May has been submitted to ZEMS.

(3) A large scheme status chart is being prepared for Division use. This chart will provide current information covering the detailed status of jobs and schemes assigned to us for engineering.

d. Special Projects: We have requested copies of drawings and installation specifications covering weather facilities from Central and Eastern GEEIA Regions. We believe some reduction in our engineering manhours may prove possible through adaptation and use of this information.

3. WIRE COMMUNICATIONS DIVISION; Programs - Current:

a. After preliminary consultation with Headquarters USAFE DCS/Communications, Mr. Ryan accompanied Major Powell of Plans and Programs to a meeting at the Bundespost Ministry at Bonn on 15 March 1960. The agenda of the meeting included the Air Force's request to have Bundespost contract for the maintenance of on-base cable systems and the installation of minor cable expansions or relocations through use of a open-end type contract. This contract would involve the regional Office of Post Direction (O.P.D.) and the Base Communications Officer.

b. A representative of this Division visited Lajes, Rabat Sale, Nouasseur, Wheelus, Dhahran and Adana for the purpose of cleaning up outstanding engineering work on C-E schemes and engineering job assignments for bases in the southern area.

4. RADIO COMMUNICATIONS DIVISION:

a. Personnel: Captain Justus, Assistant Chief of this Division, completed his overseas tour and departed this station at the end of this reporting period. Captain Justus' new assignment is GEEIA Headquarters. Captain Theodore J. St. Palley reported for duty this month and was assigned to this Division.

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b. Programs:

(1) Morocco-Spain-United Kingdom Trops:

(a) Interim acceptance tests were performed on the Siemens and Halske multiplex equipment installed at San Pablo and Sidi Slimane. It was necessary to make an interim acceptance in order to phase out the M & O contract with Federal Electric Company and begin M & O under provisions of the contract with Page Communications Engineers. Interim acceptance was accomplished and the Federal contract began to phase out.

(b) Correspondence was prepared and forwarded to CEEIA concerning deficiencies in the contract and the test specifications. Headquarters CEEIA was asked to provide a project officer to the job on a full time basis, or to define the contract to the extent that this Region or it's Southern Field Office can provide effective monitorship.

(2) Ibrahim II: An engineer is presently in Los Angeles, California with the architectural engineer. The length of time required to review drawings under normal procedure was prohibitive: so Headquarters USAFE and European CEEIA Region personnel who have project responsibility are reviewing the construction design at the AE's office.

(3) United Kingdom Microwave: Captain Frederick of the Northern Field Office (CEEIA) has been here most of the month. He and Mr. Davis are preparing a work statement to become a part of the contract with Marconi's Wireless Company.

(4) Transportable Tropo: A team arrived from CEEIA and Middletown. They are presently accomplishing the siting requirements for this system.

(5) USAFE Microwave: An engineer visited all sites in the Bravo system and also Swingate in England. His trip provided a check on plant-in-place records at all sites in order that the work statement for installation could be completed.

(6) Plan 55: The plan 55 installation at Siegelbach was completed and the Installation Inspection Certificates signed during the month. However, due to lack of a technical control facility, the Plan 55 Switching Center has not been placed in operation. The technical control facility is expected to be complete during April, at which time the Plan 55 Center will be cut over.

(7) USAFE SSB Network (CEIP 4C016): Headquarters CEEIA is preparing tentative SFELs for the equipment and antennas to be employed on this project. FB-5B-26 is tentative SFEL for the Collins KWT-6/5 Transceiver. FB-6A-16 is tentative SFEL for the Collins 237A-1 Log

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Periodic Rotatable Antenna. FB-64-29 is tentative ZZH for Antenna Couplet Group AN/URA-27 to be used with a vertical omni-directional antenna.

(8) Sites 2, 3, and 9: During 1959, Headquarters CEEIA prepared certain schemes and specifications for the communications center, receiver, and transmitter facilities for these sites. European CEEIA Region has installation responsibility for these facilities. A review of the installation specifications and schemes received to date is in progress to insure accuracy and completeness prior to the commencement of installation. Some discrepancies have been noted which will require additional scheme action. However, all schemes and specifications known to have been prepared have not been received to date. The exact number of schemes and specifications that have been prepared is unknown. Headquarters CEEIA is being queried on this matter.

(9) Site I-5: Preparation of ten schemes for Site I-5 has been in progress during the past month. Completion of these schemes had been delayed because of non-receipt of Master Specification Items from Headquarters CEEIA. These Items were received on 29 March 1960 and it is anticipated that these schemes will be completed in approximately 30 days.

5. ENGINEERING CONTROL OFFICE:

a. Personnel: Captain Theodore J. St. Palley was assigned to this Office as an additional duty on 29 March 1960.

b. Activities: Routine reports and statistics were provided to the Director of Engineering in the early part of March summarizing the activities of the Directorate for February. The statistical summary of engineering manpower utility varies so little from month to month that it will not be produced for at least the next quarter. The man-hour utilization percentages have stabilized approximately at; 58% Direct Work, 33% Indirect Work, and nine percent Leaves and Holidays.

c. Programs: The clerical functions of this office are now well established and functioning with routine precision. It is planned, now, to improve the functions and outputs of this office by devoting attention to the following areas:

(1) Approximately 20% of the Directorate's Engineering Assignments is not officially sanctioned by Plans and Programs. Reasons for this condition vary, but, in general, authority for these assignments by-passes ZEF and arrives directly in ZEH. It is hoped to rectify this condition without increasing inter-division paper work.

(2) An unknown, but sizeable percentage of this Directorate's workload has not been estimated in man-hour and support requirements. It is planned to identify these delinquent assignments and insist upon the preparation of estimates.

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(3) Methods are under study to provide the Director of Engineering with a precise picture of each Division's workload on a month-by-month tabulation. The total number of engineering assignments is known, as well as the average input of new work and the number of completions each month. These figures indicate that this Directorate is under-staffed, but they do not provide the quantitative deficiency in man-hours available per Division per month. This information is required to provide proper placement of personnel and to justify requirements for people with the proper technical skills.

d. Schemes and Jobs: The Directorate of Engineering received 101 new assignments during the month of March 1960. During the same period 31 schemes or jobs were reported as completed or cancelled.

6. ENGINEERING SUPPORT DIVISION:

a. Personnel:

(1) Technical Sergeant James F. Knight, 22370, reported for duty on 11 March 1960 and is assigned as NCOIC of the Drafting and Reproduction Branch. Also reporting for duty in the Drafting and Reproduction Branch were: TSgt S. S. Bucia, 22370, A3/C L. W. Kinser, 22330, and A3/C A. Rappatone, Jr., 22330.

(2) Staff Sergeant Richard C. Drown, 22250, reported for duty on 25 March 1960 and is assigned as NCOIC of the Surveying Branch. Also reporting for duty in the Surveying Branch was A2/C J. C. Clark, 22250.

b. Activities:

(1) On his trip to Headquarters GEEIA, Mr. H. Giers was able to obtain sepia copies of approximately 5,000 sheets of the missing Transmitter and Receiver Specification Master Formats. Since these are sepias, any further reproduction, by ammonia process, for specification-writing purposes is impractical, and conversion to multilith masters by xerography is almost impossible. This means that new original formats will have to be made before they can be used. A draftsman has been assigned to work exclusively on this project.

(2) This office is working with ZESC in monitoring the three plant-in-place records contracts obtained through Signal Procurement, Frankfurt. Representatives of the two contractors have been briefed here, and teams are in the field for all three contracts.

c. Summary of Completed Work: Administration processed approximately 970 pieces of correspondence, both classified and unclassified, this month; Approximately 29 jobs were completed for a total of 34 sheets by our Drafting Section; and Reproduction Section processed approximately 2,050 ammonia-process prints and 5,990 ditto copies for a total of 8,040 prints.

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DIRECTORATE OF INSTALLATIONS

1. PROJECT "TANK TOP"

a. The AN/FPS-20A at Site #3 was completed, and installation inspection made on 3 March 1960.

b. Modification on MPS-14 and MPS-16 equipment was completed at Sites #2 and #3 during March.

c. The VHF amplifiers have been received at Site #1 after rehabilitation and modification by Bendix. They will be installed early in April by GEEIA Personnel from the 2874 Installation Squadron.

2. PROJECT "PAINTED WARRIOR" Installation of a teletype facility was completed during March on Scheme 11940-L. It is expected that the two AN/TRC-35 terminals, called out from MCAMA, will be installed during April.

3. GTA-6 INSTALLATION, LANGERKOPF

a. A follow-up meeting was held at Headquarters 17 Air Force on 30 March 60 to work out problem areas concerning the Langerkopf engineering and installation.

b. It was pointed out that the GEEIA team is ready to install the GTA-6 equipment, the delay being building completion and availability. The building contractor is not expected to be out of the building until 15 May 60. It was agreed to start the GTA-6 installation in the equipment room under the dias as soon as the room was ready. As of the end of the month, the plaster was still too wet, no floor in the room, no painting accomplished, and no means to secure the room. It was decided to delay the GEEIA team until the building was more complete. Due to the question of legal entry by military teams while the contractor is still working on the building, Headquarters 17 Air Force was advised of the necessity for a contract amendment to preclude the contractor pleading military interference if there is any slippage in the schedule.

4. RHEIN CONTROL

a. Installation progress at Birkenfeld Radar tower and equipment installation 40 percent complete. Communications equipment installation, including associated antennas and towers, 37.5 percent complete. Minor item shortage is expected to continue and delay completion.

b. A Mobile Depot Activity (MDA) is on site providing depot level maintenance on all the air/ground radio sets received. These UHF and VHF radio sets were from Theater Resources and were in deplorable condition. An inflatable radome has been received with the new AB-313 Radar Tower.

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5. REMOVAL OF MOROCCAN AIR DEFENSE INSTALLATIONS

a. A verbal request from USAFE was received in early March requesting removal of all communications and electronics equipment from Radar Sites Y-2, Y-5 and Y-9, and the Air Defense Control Center, Y-11. Supervisory teams were rushed to Rabat, Morocco from 3 of the Region Installation Squadrons. These teams were briefed by Warrant Officer McLean, this office, and then moved to the sites. The majority of the actual work was accomplished by the 316 Air Division personnel under GEEIA supervision.

b. Each GEEIA Team was instructed to insure proper disassembly and integrity of the radio and radar sets, since it was understood that a large part of this equipment would be installed in Central Europe.

c. Disassembly was accomplished in less than 2 weeks, and all equipment moved to holding points on the support bases to await disposition instructions.

6. AWS METEOROLOGICAL SCHEMES. These schemes are approaching the installation phase and a project office is no longer required to coordinate activities. The Project Officer was directed to cease other than normal installation action on these schemes. All agencies were notified to direct correspondence to the appropriate directorate on all scheme actions. The following is a summary of scheme status for the FY/60 Meteorological Program:

Total Schemes	176
Schemes Installed	11
Schemes Cancelled	2
Schemes with 100% BOM Fill	30
Schemes Partially Shipped, BOM's Delinquent Many Items	62
Schemes with no shipment action to date	71
Amount of funds issued for trenching & backfill	$166,000

7. SCHEDULING BY HQM COMMENTS. Six job numbers were assigned and forwarded to the Squadrons during this month. In the 2873 area, 8 schemes were scheduled with 100% BOM fill; however, buildings and support structures have not been completed.

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DIRECTORATE OF MATERIEL

1. PROCUREMENT OF CABLES FOR WEATHER FACILITIES

In order to complete the installation of many delinquent Weather Schemes, we are buying about 167,000 feet of various types of cable in Germany. This cable will be used at 12 bases in Europe and Morocco.

2. PLANT-IN-PLACE RECORDS OF AIR FORCE DIAL EXCHANGES

Two contracts were placed with Tech Rep Services S. A. of Switzerland and one with F. H. Kocks K. G. of Germany. These contracts are for the preparation of Plant-in-Place Records of Air Force Dial Exchanges at five locations in France and 13 locations in Germany.

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OFFICE OF PERSONNEL AND ADMINISTRATION

ADMINISTRATIVE SERVICES DIVISION

1. NEW PUBLICATIONS:

a. European CEEIS Region Sup 1 to AFR 11-14, Recording and Controlling Written Communications, was published on 31 March 1960

b. The following HOIs were published and distributed during the month of March 1960.

5-1 18 Mar 60 Requisitioning of Publications and Blank Forms
6-1 9 Mar 60 Requests for Reproduction

2. CORRESPONDENCE AND MESSAGE VOLUME:

a. Total outgoing messages and correspondence by office for the month:

OFFICE	MESSAGES	CORRESPONDENCE	TOTAL
ZAC	6	5	11
ZAM	84	143	227
ZAB	10	87	97
ZAF	62	56	118
ZAI	52	25	77
ZAN	151	87	238
ZAS	64	67	131
TOTALS:	429	470	899

b. Incoming Messages and Correspondence:

MESSAGES	CORRESPONDENCE	TOTAL
903	591	1394

c. Total Items recorded: 2293

d. Total Classified Items recorded for the month:

INCOMING	OUTGOING	TOTAL
134	44	178

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3. Security Clearances were processed for 23 newly assigned personnel.

4. Mr John Mindedal, Contract Technician, Federal Electric Coroporation, was assigned on 14 March 1960 to fill Contract AF33(600)39262, Exhibit 2, Line Item 0752, a vacancy created with the termination of services of Mr Bernard Sherman, on 4 March 1960.

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OFFICE OF PERSONNEL AND ADMINISTRATION

MANPOWER AND ORGANIZATION DIVISION

1. Third quarter, Fiscal Year 1960, Unit Manning Documents for the European GEEIA Region were received and disseminated to all subordinate units during February. These UMD's represent the basic personnel authorizations against which assignments can be initiated during January - March 1960. The overall European GEEIA Region authorizations increased by four spaces over the previous Fiscal Quarter. The Sixteenth Air Force transferred one Captain, two DAF Civilians, and one LWR Civilian to the European GEEIA Region for the Southern Field Office.

2. The Manpower and Organization Division devoted a major portion of its time and effort towards the preparation and submission of changes to the third quarter, Fiscal Year 1960, Unit Manning Documents. Considerable emphasis is being placed on establishing the validity of all requested changes to insure that all changes forwarded to Headquarters GEEIA for review reflect an accurate and justifiable record of our manning requirements.

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OFFICE OF PERSONNEL AND ADMINISTRATION

PERSONNEL DIVISION

INTRODUCTION

Aspired by the challenge of meeting certain objectives introduced at the recent CSLIA Personnel Conference, this division undertook an energized approach towards their achievement during March 1960. Repeated phrases made at the conference such as "OJT" "Ground Safety" "UMDs", and "Job Man Matching Program' touched-off the formulation of a series of European C SLIA Regulations, Supplements, HOI's and policies, which are expected to be in final form during the coming month. Efforts were also channeled toward records maintenance. A resume of other actions, problems, and situations encountered, follow in the succeeding paragraphs.

1. PERSONNEL ON LIST CONTROL PROGRAM

During the month, a variety of actions were processed. To mention a few, two airmen were placed on the Airman Control Roster, four recommendations for award of the Air Force Commendation Medal were received, and one airman was placed in confinement for 25 days.

A progressive improvement in the quality of airmen performance reports was noted. Worthy of special mention is the present status of reports which emanated from the 2874th C SLIA Squadron.

Many of the suspense problems which previously plagued this command have now dissipated, thereby increasing the timeliness of APR submission by all units.

Officer effectiveness reports, while continually improving in quality, are still confronted with the suspense problem. To bring the OER program in line with the APR program, OER drafts are being provided to rating officials 30 days in advance of the ending dates of reports.

2. AIRMEN PROMOTIONS

On 1 March 1960, orders were published announcing promotions to grades indicated:

No.	GRADE	CAREER FIELD SUB DIVISION
1	SSgt	303
1	SSgt	304
1	A/1C	222
13	A/1C	361
1	A/1C	303
7	A/1C	304
2	A/1C	702
9	A/2C	___

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Permanent grades were awarded as indicated below:

NR.	GRADE	UNIT
1	TSgt	2871st
3	SSgt	2872st
4	SSgt	2872nd

European GEEIA Supplement 1, to GEEIA Regulation 39-1, 30 October 59, was published on 22 March 1960, establishing procedures for the conduct of airmen promotions.

3. ALLOCATIONS

With the assumption of certain installation functions previously held by Detachments 1 and 2, 13th Comm Constr Squadron (USAFE) the following personnel were gained to this command:

Detachment 1 - 1-WO, AFSC 3034
1-Airman, AFSC 64650
Detachment 2 - 1 WO, AFSC 3034
2 Airmen, AFSC 30431 and 64650

4. CLASSIFICATION

Two airmen possessing mission-type AFSCs, were hospitalized for physical conditions resulting in spasmodic alteration and loss of consciousness. Medical certificates attesting to the foregoing, recommended that airmen be returned to duty under specified limitations. Inasmuch as these conditions are considered permanent and continuance of present duties will jeopardize their lives, reclassification action has been recommended by this headquarters.

5. PERSONNEL TID-BITS

MSgt Harry M. Moses Jr, of Headquarters GEEIA, visited units of this Region during the month, to coordinate Ground Safety activities.

The following officers were assigned to this headquarters:

NAME	DUTY TITLE
Major Ray D. Hadwick A0587803	Ch, Plans & Mgmt Div, Office of P & P
Capt Theodore J. St. Pelley A02076268	Asst Ch, Flt Facility Div, Dir of Engineering

MSgt Robert E. Keeson, AF19179252, was selected to replace MSgt DeLong Anderson, AE18031080, as First Sergeant for the Headquarters airmen personnel. MSgt Anderson departs for the ZI during April 1960.

6. COMMAND MANNING STATUS

As of 31 March 1960, the manning strength of this command was

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as follows:

CATE-GORY	HQ DUR GEEIA REGION		2671ST GEEIA SQUADRON		2872ND GEEIA S U'DRON		2873RD GEEIA SQUADRON		2874TH GEEIA SQUADRON	
	Auth/Asg		Auth/Asg		Auth/Asg		Auth/Asg		Auth/Asg	
OFF	23	24	4	4	5	5	5	4	6	6
ENL	83	68	72	51	94	85	87	78	199	155
DAF	22	21	1	1	2	1	2	2	1	1
DUR	11	11	0	1	6	5	4	3	4	4
CTS	35	34	7	7	6	6	7	7	3	2
TOTAL	174	158	84	64	113	102	105	94	213	168

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EUROPEAN GEEIA REGION
APO 332, New York, N.Y.

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(Captain L. L. Huber)

APRIL 1960

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OFFICE OF PLANS & PROGRAMS

PROGRAMS DIVISION

1. C-E PROGRAM COORDINATION:

a. AF Forms 524 coordinated	118
b. AF Forms 524 returned for corrections	8
c. CEIPA's coordinated	6
d. CEIPA's returned for correction	1

2. TCSP:

a. A TCSP red line listing of changes to the TCSP for 7th Air Division Bases was coordinated by this Region. This red line listing was processed by 7th Air Division with RCAFA concurrence in lieu of AF Form 524's.

b. Printed copies of the TCSP were received this month from Headquarters GEEIA. However, it is necessary that we maintain EAM run copies of the TCSP as a work book due to lack of space in the printed publication for posting current changes as a result of AF Form 524 or CEIP action.

3. OUTSIDE PLANT TELEPHONE SCHEMES AT ADANA: A conference was held by ZEPP with each of the other directorates represented except ZEB. The purpose of this conference was to resolve a course of action to expedite implementation of the outside plant telephone schemes at Adana before the inclement weather season begins. It was decided that these schemes be installed by a comm construction flight from the ZI. However, Headquarters GEEIA advised that the installation be made entirely by contract because of the size of the job. No information has been received regarding the shipment of the materials required.

PLANS DIVISION

1. REVIEW OF FY1960 SCHEME PROGRESS: To provide data for the GEEIA restatement of FY1961 Budgetary requirements, a review of the progress in implementing FY1960 schemes was conducted. Three Hundred Fifteen schemes were identified which will be deferred to FY1961.

2. FY1960 CONTRACTUAL SERVICES REQUIREMENTS: A review of overall funds requirements supporting the contractual services program has been completed. A revised Headquarters A3A for contractual services in the amount of $584,500 has been forwarded. This

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amount includes $250,000 for the Adana base wire schemes. We are awaiting advice from Headquarters GEEIA on the correct funding for requirements of $135,000 where a combination of funds for material and services are involved.

3. FUNDS UTILIZATION FOR METEOROLOGICAL FACILITIES: Due to the absence of firm delivery dates for meteorological facilities equipment, funds in the amount of $115,500 committed or obligated in support of the trenching and backfilling contracts were withdrawn. Funds will be utilized in funding other requirements.

4. DEACTIVATION OF THE 2871st GEEIA SQUADRON: The initial deactivation plan was forwarded to Headquarters GEEIA for comments and/or approval. Currently, the specific detailed plan for the deactivation of the 2871st GEEIA Squadron is being prepared. Initial visit was made to the 2871st GEEIA Squadron to coordinate preliminary actions to determine personnel and equipment status. The target date for the completion of the detailed plan is 31 May 1963.

5. ESTABLISHMENT OF OPERATING LOCATION, ATHENS, GREECE: A detailed plan for the establishment of an operating location with an outside antenna and cable installation capability is being prepared. Tacit approval has been received from JUSMAG, and a detailed joint tenancy agreement must be developed and signed by the Tuslog Unit Commander, Athens Air Base. Target date for completion of plan and signing of the joint tenancy agreement is 15 June 1963.

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OFFICE OF SCHEMES MANAGEMENT

1. Screening, Research and Correspondence. The H-1 Report was published and distributed. The report included 1211 schemes and 121 jobs. An additional 252 schemes, 93 jobs and 66 administrative corrections of scheme designators were submitted to USAFE Statistical Services to be included in the next report. Records indicate that 11 messages were received, 4 messages dispatched and 34 letters sent. Project "Paper Weight" was completed which resulted in a reduction totaling 41%.

2. Scheme and Job Statistics:

Schemes active as of 1 Apr 60	1213
Schemes assumed (other sources)	0
Schemes directed by P&P	305
Schemes completed	28
Schemes cancelled	24
Total active 30 Apr 60	1476
Jobs active as of 1 Apr 60	121
Jobs directed by P&P	22
Jobs completed	14
Jobs cancelled	1
Total Jobs active 30 Apr 60	128

3. Personnel and Manning. TSGT Paul J Lempicki arrived PCS from 2872nd CEEIA Sq. Office is now staffed to strength required by virtue of training and experience of each individual.

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DIRECTORATE OF ENGINEERING

1. RADAR-ELECTRONICS DIVISION:

a. Programs - Current:

(1) Langerkopf E-I Requirements:

(a) Engineering action for Radar Ancillary Modernization at Langerkopf is 75% complete. The Publication of the Installation Specifications and drawings on 30 May will conclude the engineering required for this facility.

(b) Action on the Langerkopf Ground/Air Modernization is continuing. Arrangements have been made to conduct receiver performance tests at a number of on-site locations. These tests will establish the advisability of establishing the receivers at a remote on-site location from the existing trans-ceiver site. Site availability at Langerkopf is most limited and a location meeting all ground/air siting criteria cannot be found. Modernization of the existing trans-ceiver facility will be accomplished if tests indicate that no appreciable benefits will be derived from a remote receiver facility.

(2) Schoenfeld Ground/Air Modernization: Review of construction drawings for a ground/air receiver building at Schoenfeld has been accomplished. Minor revisions to the planned structure will make this building more suitable for the use intended. We will attempt to have the construction plans revised by the appropriate USAFE agency (DCS/ Installations, 17 Air Force).

(3) AN/GPA-59 Radar Modernization Kits: Schemes directives for major modification of five heavy radars have been received by this Division. Operational phasing dates for this program are such that accomplishment of timely engineering action for these schemes will overtax assigned manpower resources and possibly delay other necessary actions. We have requested ROZ to furnish us an engineer who is familiar with the equipment for a 90 day period.

(4) 412-L System: We are continuing to provide Engineering assistance on this system. The lack of detailed engineering data on System equipment has prevented the finalization of a CEIP for supporting communications. We have requested a competent communications engineering team from GEEIA's Engineering Services Contractor to complete pre-engineering assistance to USAFE for preparation of the communications CEIP.

(5) Madrid Rapcon:

(a) An engineer from this division made a visit to the Madrid Rapcon in order to provide engineering assistance, as requested by 16 Air Force for the planned SIF installation. This assistance was verbally given to 16 AF and will be followed-up by a written report.

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(b) An investigation was made of the reported magnetron pulling being caused by the close proximity of the ground/air antennas. Upon investigation, it was found that this condition is not evident at present. It is believed that the condition which was previously reported was caused by an unstable magnetron, and was corrected when the magnetron was recently replaced.

(c) In addition, an investigation into the clutter problem was made, and the feasibility of its correction by modifying the AN/GPS-3 radar to an AN/FPS-37 which utilizes circular polarization.

(d) It was found that a substantial reduction in clutter was affected by raising the antenna tilt. Rapcon is being commissioned for a 60 day test period. This test will be to determine if the facility can be permanently commissioned.

(e) Our engineer determined that the utilization of circular polarization would be of dubious value in eliminating the atmospheric clutter. The only value in this modification would be in the reduction of precipitation clutter, which is also being experienced at times.

(6) Lajes Rapcon: The validity of a requirement for an AN/FPN-31 radar for Lajes has been questioned. Results of an investigation proved that the requirement no longer existed and this scheme has been cancelled by ZEF.

2. FLIGHT FACILITIES DIVISION:

a. Personnel:

(1) Mr. Soave, Chief, Meteorological Branch is attending the annual meteorological CE Scheme review conference at Headquarters, GEEIA.

(2) At request of 16 AF, Mr. Nordquist of the Northern Field Office has gone to Zaragoza Air Base to complete an on-site evaluation of the TACAN facility, and to recommend corrective action for a reported "null" on the approach radial.

b. Programs - Current:

(1) We have been requested to re-engineer four TAC Control facilities in the UK and one at Lajes, due to changes in operational concept. Also, to confirm allied support requirements which were not included in earlier engineering accomplished by another agency.

(2) USAFE has advised us that an off-shore contract has been awarded the Assmann Company of Bad Homburg (near Frankfurt) for delivery of 33 fourteen-channel recorders and 31 reproducers during the period 15 September through 30 December 1960. USAFE has provided a revised priority list allocating initial production to the UK, followed by Germany, France, Spain, and North Africa. Our engineering schedule is being adjusted to reflect this order.

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(3) Inspections of installed AN/URN-3 TACAN's were completed at Vouziers and Brienne Air Bases (France). Inspection established that NDM overhaul would be necessary prior to removal and relocation of these facilities to two other bases.

(4) A siting survey was completed for Weather Facilities (2279) programmed for Lajes Field, Azores. While at Lajes, our engineer also provided preliminary assistance to 16 AF in the re-engineering of a local TAC Control (2211) facility.

c. Programs - Future: The 7030 ABW, Ramstein AB (Germany) has been forwarded results of a TACAN flight check covering a proposed on-base site. They were requested to advise us if the indicated coverage would satisfy their operational requirement.

d. Special Projects: Our requests to other GEEIA Regions for copies of drawings and installation specifications covering Weather Facilities have achieved favorable response. A substantial amount of useful material has been received.

3. WIRE COMMUNICATIONS DIVISION:

a. Personnel:

(1) Mr. James W. Ives was transferred from the Eastern Field Office to the Division.

(2) Captain Kenneth C. Rowe was assigned Chief, Wire Communications Division effective 1 April 1960. Minor administrative changes in the division resulted in the re-assignment of Mr. George B. Sands, Jr. to Chief, Outside Plant Branch and Mr. Charles A. Turner as technical advisor, Wire Division.

b. Programs - Future:

(1) To increase the rate at which traffic surveys are being made, an additional engineer was assigned to work on an OJT basis as a telephone central office traffic engineer. Joint surveys have been made at Rhein/Main and Ramstein Air Bases.

(2) To aid the installations teams, contractors and our engineers, we are adopting a plan similar to the Aircom method of illustrating telephone plant details.

(3) A study was made to record our engineers' experiences with Base Planning Boards while visiting bases for the purpose of producing a Base Wire & Telephone System Development Schedule. In particular, we were concerned with the degree that the Base Communications Officer participated in this base activity. The results indicate the requirement for a schedule coordinated through Headquarters, USAFE with sufficient advance notice to the bases to eliminate many of the instances where no Base Planning Board meetings were recorded. We are implementing this approach together with publication of an Office Instruction to provide guidance, check lists, etc., in this area.

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4. RADIO COMMUNICATIONS DIVISION:

a. Personnel: Three additional CTS personnel were assigned to the division during this period. Mr. John Rankin, Philco CTS, previously assigned to the 2871 GEELA Squadron, was assigned to the Relay Center Branch. Mr. Anthony Baker, NSL CTS, newly assigned to the Relay Center Branch. Mr. Siegbert Busch, NSL CTS, also newly assigned, has been assigned to the High Frequency Systems Branch.

b. Programs:

(1) San Pablo CRC. The Western Union installed Technical Control Facility for San Pablo was completed during this period. This permitted the cut over of the Plan 55 switching center which also was installed by Western Union. The activation of the San Pablo CRC reduces Sidi Slimane to a minor relay center and Torrejon to a tributary station. The AFTO Form 88's were completed and are being forwarded to appropriate agencies.

(2) Link Encryption Program (CEIP 1E0081). Site surveys have been conducted at some locations. Since the Air Communications Modernization Program (Project Quick Fix) installation at these same stations will have considerable bearing on our engineering actions, the preparation of the Site Concurrence Letters for these stations is being deferred. Upon receipt of the approved CRC floor plans for these stations from GEELA, we will prepare the Site Concurrence Letters.

(3) Ibrahim II. Two design review conferences for this project were held at the Architect/Engineers Office and attended by an engineer of this division. These conferences were to review and approve preliminary designs submitted by the A-E. The CEIP for the entire project is being delayed due to the extensive TDY being required of the engineer assigned to the microwave portion of this project.

(4) An engineer visited Rome, Italy, to attend a conference among Westinghouse, Chrysler, MAAG and European GEELA Region. The purpose of this conference was to re-write the work statement for the microwave system that is to interconnect the sites.

(5) Two engineers visited Heidelberg to attend a conference concerning expansion of the Brave system. Preparation of the work statement to cover expansion has been delayed due to receipt of unofficial work that requirements have been changed.

(6) USAFE SSB Command & Control Network:

(a) Headquarters GEELA has established the following SFEL's:

1. FB-64-16. "Antenna HF Unidirectional Rotatable Log Periodic (237A-1)"

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2. FB-6L-16L. "Pressurized Semi-Solid Dielectric Coaxial Transmission Line (RG-258/U)"

3. FB-6L-19. "Antenna Coupler Group AN/URL-27"

4. FB-6L-17L. "Coaxial Transmission Line (RG-85L/U)"

5. FB-5B-26. "HF Transceiver KWT-6, Type 5"

SFEL's 1 through 4 are termed "Tentative" and SFEL 5 is "Awaiting Publication." Exact configuration of the omnidirectional antenna to be employed is still unresolved but a cage type vertical manufactured by Craig Systems, Inc. is being considered by Headquarters GEELA. Headquarters GEELA estimates the general drawings applicable to above proposed SFEL's will be available in 3-4 weeks.

(b) The USAFE SSB station originally planned for Ramstein Air Base must now be located in the Wiesbaden area because of the recent USAFE re-organization. Headquarters USAFE has proposed Camp Pieri as the most desirable location. A preliminary survey has been accomplished which indicates this course of action might be feasible. It is expected that a formal site survey meeting will be conducted in 1-2 weeks.

(7) Site I-5: Specifications and schemes for the I-5 Transmitter and Receiver Sites are 75% completed. Preparation of these specifications and schemes has taken an inordinate amount of time for facilities of this size but considerable effort has been expended toward generation of standard format and procedures. The results of this effort will afford more expeditious preparation of subsequent specifications and schemes. Headquarters GEELA has previously written schemes for these facilities on a "shot gun" basis. These schemes will have to be cancelled or amended to provide a properly engineered installation.

5. ENGINEERING CONTROL OFFICE:

a. Activities:

(1) The latest copy of the H-1 Report was studied and corrected during April as requested by ZEB. Three weeks were required for this project. In addition to approximately 2,000 corrections in the H-1 itself, several lists of jobs and schemes were prepared for ZEB analysis. The status of each of these schemes or jobs was questionable for one of several reasons. When corrected, the H-1 Report should reflect a 500% increase in engineering manhour estimates and a much more valid picture of the existing status of all schemes and jobs.

(2) As an associated task with the above, time and budget estimates were obtained on all outstanding engineering assignments for which no such data had been provided.

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b. Schemes and Jobs: The Directorate of Engineering received 61 new assignments during the month of April. During this same period, 27 Schemes or Jobs were reported as completed or cancelled.

6. ENGINEERING SUPPORT DIVISION:

a. Personnel:

(1) Lt J. E. Turner joined the Division as Assistant Division Chief.

(2) SSGT F. C. Kelly, 70250; A/3C L. W. Crosby, 70230 and A/3C L. E. Crawford, 70230 reported for duty and are temporarily assigned to the Clerical Services Branch.

(3) SSGT H. N. Walters, 22350 reported for duty on 30 April. He is assigned to the Drafting and Reproduction Branch.

b. Activities:

(1) Specification Master Formats: We are starting work on a complete review of the AirCon special general drawings (which are used in support of specific station drawings) in order to present them in a form which will more readily implement our specification master "specitem" system. The proposed presentation will eliminate the necessity of sending seven or eight sheets of a general drawing when only several small details from it are actually required.

(2) Plant-in-Place Records Contract: Representatives of Tech Rep Services, SA were in the office on 28 April for the purpose of obtaining preliminary approval of a Technical Action Request which they submitted to Frankfort Signal Procurement. They brought with them samples of their work and materials to be used as well as their proposed method of processing the preliminary and final drawings.

(3) Base Layout Maps: The first group of requests have been sent out to acquire Layout Maps of every Base in the Region on which we have or plan to install Communication-Electronic facilities. These maps, when annotated, will provide us with first-hand knowledge of the exact location of C-E equipment. They will also be used to insure that all facilities are located to provide maximum efficiency without interference from other facilities on base. Plans are also underway to use these maps as the basic sheets in the Radiation/Interference Program.

c. Summary of Completed Work: Administration processed approximately 890 pieces of correspondence, both classified and unclassified this month. Approximately 23 jobs were completed for a total of 48 sheets by Drafting. Reproduction processed approximately 1414 ammonia-process prints and 4200 ditto copies for a total of 5614 prints. Our ammonia-process reproduction was seriously curtailed for approximately three weeks due to machine break down. Approximately one third of the ammonia prints were accomplished for us by the Base Engineering Installation Officer.

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DIRECTORATE OF INSTALLATIONS

WORKLOAD CONTROL DIVISION

1. Nouasseur ILS: This scheme has been ready for flight check on two previous occasions, however, due to inadequacy of Base Security, parts and cables have been pilfered. Materials were received 25 April 60 from Dayton AF Depot, which will complete requirements to make this facility operational. A team from the 2872 GEEIA Squadron starts re-installation on 4 May 60. Due to this equipment being dormant for a years period, it is necessary that equipment be completely realigned. At this time Installations is striving to secure the services of a ILS engineer to assist in preparation of this equipment for an early commissioning.

2. SAC Command Post Schemes:

a. Spanish Area:

(1) Torrejon: Scheme complete, both multi-channel and single-channel equipment.

(2) Zaragoza: Installation began 17 April 1960. At present, it is 75% complete.

(3) Moron: Multi-channel installed. Single-channel 30% complete. Installation started 24 April 1960.

(4) Nouasseur: Pre-installation survey complete, and all material on hand. BOD is complete. Installation start date approximately 20 May 1960.

(5) Ben Guerir: Pre-installation inspection completed. Material on hand and BOD ready. Installation start date 4 May 1960.

(6) Sidi Slimane: Pre-installation survey complete. BOD will be complete approximately 3 weeks, and several minor items short on BOM. Installation start scheduled for latter part of May 1960.

(7) Lajes: 16 AF requested relocation of single-channel equipment. Engineering is presently working on this. Multi-channel equipment ready. BOD not complete - estimated 1 June 60.

b. English Area:

(1) Brize Norton: Pre-installation survey reveals 8 BOM line items short. BOD not ready, and GPO cannot furnish completion date.

(2) Fairford: Pre-installation survey complete. BOM is complete, however, there are seven items incomplete on BOD, and estimates from GPO indicate July 1960 for completion.

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(3) Greenham Common: Pre-installation survey reveals eight items incomplete on BOD, and only one line item on hand on BOM. No estimations on BOD completions, or information on BOM arrival.

(4) Mildenhall: Survey conducted 16 April 1960. No BOM items received on scheme. Base has not made any determination as to location of control room.

(5) Upper Heyford: Nine BOM items are short for this scheme. Two items are incomplete on BOD. No determination as to completion date.

3. Corrections to H-1 Report: The H-1 Report furnished by ZEB, which was current as of 25 March 1960, was thoroughly reviewed and purged by personnel of this Directorate. All notations were made in appropriate columns dealing with installations. Estimated manhours were entered on all schemes where none were existant. Manhours were revised where entries were noted to be erroneous. Corrections were made on all installation start and completion dates, where firm dates were available. In many cases where dates were not realistic, notations were made, although no new dates were entered. This information will not be secured without consultations with Squadron personnel, to determine first the status of material availability, as indicated by receipt of RPO folders, and consultation with Major Air Commands on BOD status, and orders of priority. The corrected copies of the H-1 Report were returned to ZEB on Friday, 29 April 1960, so corrections could be compiled for the next run.

4. Cable Surveys: Pre-installation surveys on several 0011 wire schemes reveal that in all cases where supplies were to be furnished from within Theater Resources, there are many shortages of critical items which preclude installations. Local purchase of these seems impossible, If scheme amendments were written to cover this material, to be furnished from the states, we would still be at least 9 to 12 months from installation.

5. Flight Check of Nav Aid Facilities-Europe: During April, a request was received from Headquarters CLEIR querying:

(a) Number of facilities flight checked in the last six months.

(b) Number of facilities to be flight checked in the next six months.

(c) Flying hours required in (a)

(d) Flying hours required in (b)

(e) Location & organization performing flight checks.

(f) Type aircraft utilized

(g) Type facilities checked

(h) Any problems encountered.

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(i) Any delays due to diversion of aircraft, etc.

This information was compiled by this Directorate and forwarded to Headquarters CCCIA, as requested.

6. Meteorological Schemes: The 2872 GEEIA Squadron installed the 2277 facility at Terrejon, as part of their weather scheme installation training program, IIC was dated 5 April 1960. A 2275 facility was installed at Don Guerir, completion date was 13 April 1960. A basic 2274 facility and the 2274 amplifier was installed at Wheelus, the completion date was 15 April 1960. The cancellation of meteorological schemes on six bases by 2 Weather Wing has reduced the total FY 60 program to 133 schemes.

7. Langerkopf: A conference was held at 17 Air Force on 26 April 1960, concerning Langerkopf. An inspection was made of the new operations building. It was determined the building was completed sufficiently for installation to start on a GTA-6 on 2 May 1960. Radar installation is estimated to begin approximately 15 June 1960.

8. Birkenfeld: Installation progress at Birkenfeld, including associated antenna and towers - equipment installed 53.75%. Delay in progress due to lack of material and adverse weather conditions.

9. Statistics:

a.	Number of schemes in work:	31
b.	Number of jobs in work:	5
c.	Number of removal schemes in work:	1
d.	Number of schemes completed:	17
e.	Number of jobs completed:	6
f.	Number of schemes cancelled:	42
g.	Number of jobs forwarded to Squadrons:	0
h.	Pre-installation surveys conducted:	17

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DIRECTORATE OF MATERIEL

Negative Report Submitted.

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OFFICE OF PERSONNEL AND ADMINISTRATION

PERSONNEL DIVISION

INTRODUCTION

April 1960 marked the effectuation of several of the Personnel objectives mentioned in last month's summary. European GEEIA Region Regulations 32 1 and 32-2 were published on 27 April 1960, establishing the Command Ground Safety Program. Suggestions and guidance given by MSgt Moses of Headquarters GEEIA at his presentation in the February GEEIA Personnel Conference, and during his recent visit to this Region, were used to advantage in the molding of this directive. Regulation on OJT is still under deliberation for additional refinement. In regards to the Job-Man Matching Program, AMC Forms 367 have been completed for officer positions authorized within the headquarters, 2871 and 2873 GEEIA Squadrons. Submission of forms by the remaining squadrons have been delayed as yet, due to a variety of circumstances beyond their control. On the matter of UMDs, as pertains to Personnel authorizations, efforts are being directed towards enlargement of the division, through conversion of spaces which will become accessible upon inactivation of the 2871 GEEIA Squadron.

1. PERSONNEL QUALITY CONTROL PROGRAM

Several important developments occurred this month affecting our Region Quality Control structure. Most important, was the receipt of a revised Air Force Regulation 39-62, which radically revamps and, as a pleasant consequence, simplifies the Airman Performance Report Program at squadron level. By the same token, however, it inadvertently created a void of submission controls previously maintained at intermediate echelons. The AF Form 75 has also been modified to fit the new regulation. A major change incorporated in the new form, is the addition of a block in Section I, to reflect the number of personnel supervised by the rated airman. Insofar as procedural changes are concerned, airmen in pay grades E-1 through E-3 will now be entitled to the identical number of reports previous extended to higher grade airmen. The system, formerly intricate, has been sifted, so that there are now only three types of required reports. "Change of Reporting Official", "No Report 1 Year", and "Directed by Commander." These three types apply to all airmen, where as previously, Airmen in pay grades E-1 through E-3 underwent an entirely different reporting system. Types of reports which have been eliminated by the new regulation are Annual, Initial, and Terminal reports.

Two airmen were removed from the control roster this month, one at the 2874 GEEIA Squadron, the other at the 2871 GEEIA Squadron. Conversely, no airmen were placed on the roster during the month. Better overall reporting on both Officer and Airmen.

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evaluation reports was noted, with honors to the 2874 GEEIA Squadron. Its rejection rate continues to be the least of all squadrons, to date.

Implementing instructions for the June promotion cycle were disseminated this month. Squadrons were alerted to submit EWQ correspondence and Requests for Local Vacancy Waiver to this headquarters not later than 28 April 1960. The necessity for preparing this correspondence in advance of receipt of the USAF and AMC Freeze Lists resulted in considerable additional administrative workload. However, due to short suspenses anticipated by higher headquarters, no alternate recourse was taken.

The Selective Retention Program for First Term Airmen, Project 55-45, was initiated and carried through completely, in time to meet suspense requirements. Only three of the Headquarters Squadron First Term Airmen were eligible under the program for consideration during Fiscal Year 1961. Recent correspondence indicates that other airmen will be given a chance to compete before ETS. Full details of the "second chance" for these airmen are not available at this time.

A message was received from GEEIA instructing this command to identify officers falling within the purview of Project 20-10 (Controlled Retirement of Reserve Officers) for Fiscal Year 1961. Two officers within the Region were eligible, but both have decided to continue on active duty.

Permanent grades were awarded as indicated below:

	Ha	71	72	73	74
MSG	0	0	0	0	0
TSG	0	0	0	1	1
SSG	0	1	3	0	0

2. GEEIA RETENTION PROGRAM

Under current procedures, approval of consecutive overseas tour applications submitted by members of this command desiring assignment to another European Area rests with Headquarters AFPEA, AMC Area Coordinator. As a further support to the GEEIA Retention Program, delegation of approval authority was requested. At present units of this Region are located in the British Isles, North Africa, Spain and Germany. By possession of this approval authority, reten-

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tion of those personnel with skills peculiar to our needs, will improve manning stability and affect favorably on our operational effectiveness.

3. COMMAND MANNING STATUS

As of 30 April 1960, the manning strength of this command was as follows:

CATE-GORY	Hq EUR GEEIA REGION		2871 GEEIA SQUADRON		2872 GEEIA SQUADRON		2873 GEEIA SQUADRON		2874 GEEIA SQUADRON		HQ OVER HIRE	AUTH UNAL-LOTED
	Auth/Asg		Auth/Asg		Auth/Asg		Auth/Asg		Auth/Asg			
OFF	23	26	4	3	6	5	5	4	6	6	0	0
AMN	83	76	72	58	94	84	87	80	199	182	0	0
DAF	22	21	1	1	2	1	2	2	1	1	4	5
LWR	6	11	0	1	7	5	4	3	4	4	5	0
CTS	57	42	4	4	6	6	7	7	3	2	0	0
TOTAL	191	176	81	67	115	101	105	96	213	195	9	5

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OFFICE OF PERSONNEL AND ADMINISTRATION

ADMINISTRATIVE SERVICES DIVISION

1. CORRESPONDENCE AND MESSAGE VOLUME:

a. Total outgoing messages and correspondence during April.

OFFICE	MESSAGES	CORRESPONDENCE	TOTAL
ZEC	10	4	14
ZEA	106	158	264
ZEB	4	27	31
ZEF	58	104	162
ZEI	44	30	74
ZEM	101	122	223
ZES	70	116	186
TOTALS	393	561	954

b. Incoming messages and correspondence:

MESSAGES	CORRESPONDENCE	TOTAL
847	410	1257

c. Classified Material:

INCOMING	OUTGOING	TOTAL
132	36	168

d. Total Items recorded: 2379

2. PROJECT PAPERWEIGHT: The final report on Project paperweight indicated a 19% reduction in records holdings. The reduction in each office of record is indicated below:

OFFICE OF RECORD	% REDUCTION
ZEAA	73%
ZEAP	40%
ZEB	42%
ZEF	01%
ZEI	33%
ZEM	01%
ZES	37%

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2671st GEEIA Sq	42%
2672nd GEEIA Sq	58%
2673rd GEEIA Sq	12%
2674th GEEIA Sq	21%

3. NEW EUROPEAN GEEIA REGION PUBLICATIONS:

Regulations

0-2 (15 Apr 60) Index	Numerical Index for all European GEEIA Region Publications
32-1 (27 Apr 60) Ground Safety	Establishment and Administration of a Program
32-2 (27 Apr 60) Ground Safety	Ground Safety responsibilities of Supervisory Personnel

HOI's

11-1 (11 Apr 60) Correspondence	Guide for preparation of Correspondence within the Region Hq
11-4 (12 Apr 60) TDY Orders	Policies and Procedures for processing requests for TDY Orders
11-7 (4 Apr 60) CTS Personnel	Procedures for processing newly assigned CTS Personnel into the Hq
173-1 (25 Apr 60) Travel Voucher	Controls and procedures for preparation and submission of Travel Vouchers.

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EUROPEAN GEEIA REGION
APO 332, New York, N.Y.

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MAY 1960

A

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OFFICE OF PLANS & PROGRAMS

PROGRAMS DIVISION

1. C-E PROGRAM COORDINATION:

a. AF Forms 524 coordinated 95

b. AF Forms 524 returned for corrections 1

c. CEIP's coordinated 3

2. PROCESSING AF FORMS 524's: Pursuant to Instructions and Guidance for the FCSF, we have started annotating all AF Forms 524's with F-437 cost estimates. These cost estimates are obtained in two ways: If the programming action requires scheme action similar to existing schemes, the budget branch compares travel cost to the existing scheme location with travel cost to the proposed scheme location and arrives at an estimate of F-437 cost. If no similar schemes have been directed (i.e. new SPEL, variations between installation capability and requirement, etc.), a directive is issued to engineering for obtaining estimates of F-437 cost. Administrative handling to meet this additional annotation has been considerably increased in the processing of AF Forms 524's.

3. FCSF H-1 REVIEW: Mr. Thompson, Headquarters GEEIA, and Mr. Clay, RCAAA, spent the last two weeks of May at this Headquarters working with the theater commands. The FCSF document was jointly reviewed and red-line pencil changes made for each Agency. A comparison of changes will be made with scheme records and the completed documents forwarded to RCN for printing.

4. USAFSS SCHEMES: A review was conducted of the 89 schemes prepared by Headquarters GEEIA for USAFSS facilities. Action is being taken to cancel schemes made superfluous by the Criticomm Interim Contract. All schemes were studied and in those instances where action had been taken by this Headquarters to resolve programming shortcomings prior to expending engineering manhours, some GEEIA Headquarter's prepared schemes were being cancelled. Many schemes were duplicates of current European GEEIA Region schemes in various stages of supply or installation. In these cases the GEEIA Headquarter's schemes are being cancelled.

5. DHAHRAN: A review was conducted of the current programming of 3000 series facilities against installation currently being installed. It is apparent that considerably more equipment than is necessary is being installed. A recap of current requirements is being compared with the verifications to determine what equipment

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can be removed and declared available for other outstanding requirements.

RESOURCES MANAGEMENT DIVISION

1. Budget Requirements: A review of the financial requirements to support the mission through 30 June 1960 resulted in a revised total AB. of $1,274,777. Adjustments have been made by Headquarters GELIA to reflect the total contractual services requirement of $511,966. Of this amount $285,000 is to be obligated during the month of June.

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OFFICE OF SCHEMES MANAGEMENT

1. SCREENING AND CORRESPONDENCE: The H-1 Report was published and forwarded to ROAMA by transceiver network. A new 650 program recieved from ROAMA was tested by USAFE Statistical Services and the H-1 Report output was incomplete. Mr. Samuel, the deputy comptroller from ROAMA sent a priority wire to ROAMA explaining the difficulties encountered and requesting a program revision to correct these deficiencies. It was necessary to utilize an interim procedure in which the PCAM transaction cards were processed through the 650 computer in order to obtain an output PCAM card deck showing all transactions and then annotate all necessary changes in red pencil and re-punch these changes into the output card deck. These actions were accomplished prior to submission to ROAMA. USAFE Statistical Services is processing the PCAM card file to provide printed listing for local distribution. Records indicate that 7 messages were received, 6 messages dispatched and 37 letters sent.

2. SCHEME AND JOB STATISTICS:

Schemes active as of 1 May 60	1476
Schemes directed	131
Schemes completed	32
Schemes cancelled	105
Total active as of 31 May 60	1470
Jobs active as of 1 May 60	128
Jobs directed	29
Jobs completed	6
Jobs cancelled	2
Total active as of 31 May 60	149

3. PROGRAMS:

a. A policy of initiating individual disposition forms indicating delinquencies and/or courses of action regarding CE Schemes has been adopted as interim notification to responsible directorates. This system will eventually be replaced by composite breakout of the H-1 Report.

b. A time phasing chart was drawn up to provide a realistic method of scheduling engineering, material and installation dates in the H-1 Report. This chart has been reviewed by representatives from the European Theater Commands, directorates and representatives from Headquarters USEUCOM, USEUCOM and Headquaters ROAMA. Favorable comments were received from all representatives. This chart complies with all existing regulations and policies and provides a method of determining delinquencies within the responsible directorates.

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DIRECTORATE OF ENGINEERING

RADAR-ELECTRONICS DIVISION

Personnel:

1. Mr. Ernest Wilkinson, transferred PCS from Headquarters USAFE and was assigned to the Air Defense Systems Branch on 16 May 1960.

Programs - Current:

2. AN/GPA-59 Radar Modification Kits: The USAFE AN/GPS-4A program has been assigned this Division in the form of several scheme directives. However, two actions by other agencies or commands are required before we can proceed; i.e., (a) re-evaluation by Headquarters USAFE of their requirements and final configuration; (b) development of three major end items of equipment by RADC to provide dual channel capability.

3. 412-L System:

a. USAFE representatives presented engineering drawings of the CECOC installation to all interested agencies in a meeting at Ramstein on 27 May 1960. These agencies are presently reviewing the drawings to insure that the equipment configuration will fulfill all operational requirements. Concurrence in the final arrangement is expected by 3 June 1960. Upon receipt of the finalized, approved drawings, USAFE, through the Engineering Services Contractor, will prepare and submit a Site Concurrence Letter for this facility.

b. Headquarters USAFE has advised that a communications team of USAFE staff engineers and engineers of the Engineering Services Contractor will visit this Region 6 June 1960. This team will assist USAFE in preparing the communications CEIP for the 412-L system in Europe.

4. Modernization of AC&W Ground/Air Facilities:

a. Site tests at Langerkopf have been concluded and a report of test findings is being prepared. Scheme action will be taken consistent with the results of the site tests.

b. Engineering changes have been incorporated into the design of the new Schoenfeld receiver building by DCS/Installations, 17 Air Force. These changes resulted from a review of construction drawings by this Division. Scheme engineering is scheduled to provide timely relocation of the equipment.

5. Height Finder Siting: Headquarters 17 Air Force has requested USAFE to perform siting of four height finders at two locations. This action will be accomplished during the coming month utilizing existing manpower resources.

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6. Schemes and Job Orders:

a. Langerkopf SOC E-I Requirements: Installation instructions for the Radar Ancillary Modernization have been completed. Travel orders have been published for an engineer of this Division to provide on-site engineering service during the installation scheduled to start 10 June 1960.

b. Morelle Control (Metz RATCC): Site survey has been accomplished for relocation of the ground/air facilities in underground bunkers. Support construction was provided by allied host government. The schemes have been revised and detailed engineering including preparation of installation specifications is scheduled for completion by 15 June 1960.

7. Policy: As a result of agreements reached between ZEF and ZEM pertaining to assignment of job orders and scheme designators, this Division is able to provide a more accurate manpower versus projected workload study. Another result of these agreements is the designation of this Division as Office of Prime Cognizance for coordination on engineering of all facilities at RATCC, RAPCON and AC&W Sites in our area of responsibility. This will assure timely and coordinated engineering effort for the installation of these facilities as integrated systems.

WIRE COMMUNICATIONS DIVISION

Personnel:

8. During May the following men were assigned to the Wire Communications Division:

Name	Classification	Date of Arrival
Mr. Love	CTS	4 May 1960
Mr. Schmidt	"	4 May 1960
Mr. Sloph	"	4 May 1960
Mr. Lamos	"	7 May 1960
Mr. Cobb	"	4 May 1960

9. Mr. Lacey, Headquarters USEDIA, arrived from ROAMA to provide engineering assistance during the installation of equipment at Langerkopf.

10. Mr. Ives, formerly assigned to outside plant work, has been reassigned to inside plant.

Programs - Future:

11. We have programmed for visits to 12 Air Force establishments. Headquarters USEDIA was provided the manpower estimates.

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12. To expedite the Major Commands' request for emergency action to install a scheme for plant expansion and modernization of the Incirlik (Adana) AB, a work statement was prepared as a basis for contracting. However, before a contract could be let, CESAC informed us that material could not be made available in sufficient time to allow issuing a "notice to proceed" this fiscal year. Therefore, our effort to negotiate a contract is being suspended until FY-161.

13. Sandbag: Several meetings were held in Pakistan on May 20, 21, 22 and 23 between GEEIA Representatives and the 6937 Communications Group, and on 18, 19 and 24 with the Corps of Engineers, Trans East District to discuss the handicaps which have precluded effecting a satisfactory base and intersite telephone wire system. On the 24th, the GEEIA Engineers met with the Pakistan P&T. It was determined that GEEIA has no installation obligations; the Pakistan Posts and Telegraphs Department can and will install the wire plant and central office on a rental basis - CSA, in effect. In a meeting on 31 May between 6900 Security Wing and GEEIA Engineers, the outcome of the above meetings was reported to the 6900th and future actions were charted.

FLIGHT FACILITIES DIVISION

Personnel:

14. Mr. Ellis, Gilfillan CTS, has been assigned to the Division. Prior to joining GEEIA, Mr. Ellis was with AACS in the United Kingdom. His initial assignment is with the Meteorological Branch.

Programs - Current:

15. Construction Drawings: Mr. Sengel completed short TDY to the AFRCE Office, Mediterranean District for the purpose of restating our requirements to review NavAid construction drawings. While with the AFRCE, Mr. Sengel accomplished a review of construction plans for remote receiver/transmitter buildings scheduled for T-13, uncovering several discrepancies during the review.

16. Meteorological Conference: The semi-annual C-E Meteorological Scheme conference at Griffiss AFB was attended by members of ZEMN, and ZES. Problems relative to the implementation of all deliquent weather schemes were discussed and as anticipated most problems relate to lack of supplies. Several engineering problems were also discussed, such as the 1806/GMQ-11 Transistorized Line Amplifier. It was generally agreed that the design of the amplifier does not offer sufficient protection against line surges and that it is perhaps too sophisticated for the requirements.

17. Standard Installation Specifications: Drafts of several standard installation specifications, utilizing the GEEIA Specification Item format, have been completed. Previously, our specifications were prepared in narrative form, necessitating a great deal of technical writing. The new format, based on commercial practices, minimizes new text and accents reference to drawings, existing T.O.s, etc. As soon as the drafts are reviewed, they will be reproduced and distributed.

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17. TACAN Program:

a. Zaragoza: Mr. Nordquist, NFO, conducted an engineering evaluation to determine the reason for an "unlock" condition on the instrument approach radial to the runway. It was determined that the "unlock" was being caused by the second null in the vertical lobe pattern. The TR-47A TACAN tower was lowered six feet in an attempt to alter the null structure and rectify the condition. Improved general performance was obtained with this tower height but course disturbance due to vehicles passing through the fresnel zone between the site and the end of the runway was experienced. We plan to increase the tower height to 48 feet in an attempt to obtain a finer null structure which may eliminate the "unlock" problem. The vehicular disturbance should be eliminated with the increased antenna height since the fresnel zone will be moved away from the vehicle path.

b. General: The wooden antenna support program is progressing in the United Kingdom. We are attempting to divert a surplus TR-47A tower from Rhein/Main to Adana. Lajes has been requested to furnish a cost estimate for the wooden antenna support at Santa Maria.

18. TVOR Program; Lakenheath: A site survey was conducted at Lakenheath to determine the reasons for the present unsatisfactory facility. A site capable of providing an unlimited facility does not exist on-base at Lakenheath. It was decided to clean up the present site by removing some derelict buildings and relocating metallic containers and vehicles adjacent to the site. If required, we will attempt minor resiting to move the "scalloping" off the approach radial.

19. Radar NavAids Program: An RSU wave-off system based on use of obsolete GCA DF circuitry was designed and will be submitted to USAFE for approval.

RADIO COMMUNICATIONS DIVISION

Personnel:

20. Staff Sergeants Cousins and Nauman completed the AACS conducted TSEC/KW-26 Indoctrination Course at Croughton, England. These airmen have been assigned to the Communications Relay Center Branch.

21. Mr. Harry Budd reported for duty on 31 May 1960 and was assigned to the High Frequency Branch.

Programs:

22. Sandbag:

a. The survey by Philco personnel for the Quick Fix installation for this facility was completed during the month.

b. We assumed the engineering responsibility to support the "super Sandbag" installation. This involves the preparation and dissemination of support requirements for the transmitter, receiver and van-type CRC installation plus installation specifications for the CRC vans.

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23. Link Encryption: Five surveys for the Link Encryption Program were completed. Site Concurrence Letters are being prepared to support the Lajes and Wheelus installations and will be forwarded when complete. These stations are the only ones presently having both GEEIA and Philco concurrence.

24. Site I-5 Transmitter and Receiver Sites: Engineered schemes for the I-5 transmitter and receiver sites were completed on 20 May 1960. Headquarters GEEIA had previously submitted schemes on these facilities based on material in applicable programmed SFELs. These schemes must now be amended to reflect an engineered facility based on current GEEIA standard installation drawings. Also, further programming which is pending must be approved and additional scheme(s) prepared by us to provide operational facilities.

25. LOGBALNET: Pre-engineering for the programming of LOGBALNET facilities in this area has been completed and the results have been sent to MOAMA.

ENGINEERING SERVICES DIVISION

Personnel:

26. Staff Sergeant J. E. Moore, 22350; Airman First Class G. McNulty, 22350; Airman Third Class H. L. Murph, 22350; and Airman Third Class G. Bielawski, 22330 reported for duty and have been assigned to the Drafting and Reproduction Branch.

27. Staff Sergeant F. C. Kelly, 70270, has been reassigned to the Radio Communications Division.

Activities:

28. Specification Master Formats: Progress on the General (AirComm) Drawing review is continuing with emphasis being placed on outside plant drawings and their associated specification items. We are finding errors and making desired improvements in these drawings. During the visit of Headquarters GEEIA personnel, we discussed the best method of handling the proposed changes. We decided that in order to obviate a "production stoppage" here, we would make the necessary changes, etc., on our master copies and submit the completed work to Headquarters GEEIA as a proposal for modification of the master linens.

29. Plant-in-Place Records Contract: Copies of the first set of preliminary drawings (St. Mihiel) from Tech Rep Services S.A. were received and our comments returned through ZESC. These drawings are quite satisfactory, and only minor corrections will be necessary.

30. As of 1 June 1960, 16 persons within the Directorate do not have desks assigned for their personal use. In most cases, the new engineers have to change their working location to desks of personnel on TDY or leave. Eight additional engineers are forecast for arrival by 1 August 1960. Even if the required desks were available, there is not adequate space or lighting in our present location to place new personnel.

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Immediate action is necessary to provide the Directorate with the additional floor space, the required desks and chairs, adequate lighting and toilet facilities to permit us to accomplish effective engineering. We have taken the following steps to alleviate this most undesirable situation:

a. We have notified, and are continuing to advise ZBS of our existing and future requirements for office furniture, etc. Temporary relief on the matter of the lack of desks will be provided us by ZBS in early June; small tables to provide the engineers a working surface until executive desks arrive.

b. To alleviate the crowded situation in the Directorate, we are relocating various Branches and Sections.

c. In an attempt to obtain more floor space and latrine facilities, we have submitted a Space Allocation Request to the 7101 Air Base Wing. The additional space requested will help alleviate the crowded conditions which now exist and which will become more aggravated as we reach our expected total of 132 personnel. Also, it would allow us access to the latrine facilities now being used by the 7493 Investigation Wing.

31. Summary of Completed Work: Clerical Services Branch processed approximately 903 pieces of correspondence, both classified and unclassified. Approximately 18 jobs were completed for a total of 77 sheets by Drafting. Reproduction processed approximately 2,670 ammonia-process prints and 2,400 ditto copies for a total of 5,070 prints.

ENGINEERING CONTROL OFFICE

Personnel:

32. Mr. Max I. Rothman was assigned to the office on 6 May 1960.

Activities:

33. During the month of May, a "Single Manager" concept was developed for the effective implementation of Job and Scheme Directives. Under this new concept, all project effort is channeled through the Division Chief of primary interest, who coordinates all ancillary and supporting activity with the other divisions.

34. Inspection of our facilities by Headquarters CEDIA personnel during May pinpointed the need for procedural improvements in H-1 reporting. Improved procedures were implemented within the Directorate by a policy letter to all Divisions of the Directorate.

35. This office is presently screening all ENWs to eliminate redundancy and to insert all work into the H-1 Report which should be included to present a realistic picture of our engineering workload. To date over 7,000 engineering manhours have been picked up. It is expected that an additional 4,000 manhours will be inserted into the H-1 Report of future engineering work to be accomplished by the Radio Communications Division.

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New Work:

36. The Directorate of Engineering received 69 new assignments during the month of May. During this same period, 16 jobs or schemes were completed and seven were cancelled.

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DIRECTORATE OF INSTALLATIONS

WORKLOAD CONTROL DIVISION

1. Meteorological Schemes

a. Cable splicing team was scheduled for Bitburg to splice two cables that were delivered in 400 foot lengths. Each cable run is approximately 8000 feet. Attempts are being made to secure the needed 6C/16 shielded cable to complete the cable work, since the base opened the trenches without having suitable cable on hand.

b. The installation of the 2275, 2277 and 2278 facilities for Chateauroux were scheduled to start 3 June 1960. Minor hardware BOM items were obtained from the 18th Weather Squadron, power cable from Dreux and telephone cable from the 2nd Communications Group, in order to complete the BOM. The base completed rework of cement pads and towers and cleaning of the long-open trenches 23 May 1960.

c. Weather facilities for Sidi Slimene and Nouasseur were cancelled by AWS and USAFE action.

2. GEEIA, O/L, Athens, Greece: A plan for activation of an operating location at Athens, Greece has been completed. The parent organization will be the 2872nd GEEIA Squadron. The unit's prime mission is the emergency repair of outside plant antennas and cable, contract monitoring and installation of programmed facilities in the Greek-Turkish area. A joint tenancy agreement was written and handcarried to Athens for signature of the Commander, 7206th Air Base Group. Permission was secured and action taken to earmark UAL required items at the Athens base supply, and arrangements made to designate additional needed items from the 2871st CEEIA Squadron material resources for future shipment to Athens. Construction (outside plant) personnel will be transferred from the 2871st CEEIA Squadron and the 2874th GEEIA Squadron will furnish two cable splicers. Planning calls for a work-ready operations date of late September 1960 for this unit.

3. Aircom Modernization: An Aircom coordination meeting was held at this Region on 25 May 1960 to clarify the part each Directorate has in the Aircom Modernization Program.

The estimated antenna installation workload amounts to 43,950 manhours and the MS amplifier installations will require an additional 4,500 manhours. These requirements are almost entirely within the FY-61 program.

4. Rhein/Control: The installation of the Rhein/Control facilities was approximately 89 percent complete at the end of May. The project is expected to be completed by 15 June 1960.

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5. Langerkopf SOC: The triple AN/CTA-6 installation which was started on 2 May 1960 is progressing satisfactorily and is expected to be completed by 15 June 1960. The radar portion of the installation is to start approximately 15 June 1960 if the required cable and connectors are on hand.

The 200-pair control cables were in process of installation at the end of May.

6. Project Tank Top: The RC-1322 amplifiers and their associated antennas were installed during May. This portion of the installation had been listed as a correction to be made by GEEIA upon receipt of the amplifiers. The Form 88's were signed 10 September 1959.

Except for some final radar modifications, this project is complete.

7. Nouasseur ILS was completed and flight checked on 26 May 1960. IIC's are forthcoming.

8. SAC Command Post Schemes:

A. Spanish Area

(1)	Torrejon:	Complete
(2)	Zaragoza:	Complete
(3)	Moron:	Complete
(4)	Ben Guerir:	Complete
(5)	Nouasseur:	Installation 45% complete
(6)	Sidi Slimane:	Installation 10% complete
(7)	Lajes:	Siting is still in question. Base support not ready.

B. English Area:

(1)	Brize Norton:	BOM/BOD delinquent - no date
(2)	Fairford:	BOD delinquent - July 1960
(3)	Greenham Common:	Installation start 6 June 1960
(4)	Mildenhall:	BOM/BOD delinquent - no date
(5)	Upper Heyford:	Installation start 6 June 1960

9. Statistics:

a.	Number of schemes in work:	36
b.	Number of jobs in work:	5
c.	Number of renoval schemes in work:	4
d.	Number of schemes completed:	13
e.	Number of jobs completed:	3
f.	Number of schemes cancelled:	5
g.	Number of jobs forwarded to Squadrons:	6
h.	Pre-installation surveys conducted:	7

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DIRECTORATE OF MATERIEL

1. CE SCHEME SUPPLY ACTION

Type of Facility		No. of BCM's Published	No. of Schemes called o
Inside Plant	(A)	0	0
Outside Plant	(B)	2	5
Other Comm	(C)	32	49
Meteorological	(M)	0	0
Nav-Aids	(N)	1	4
Radio	(R)	18	4
Special Systems	(S)	0	0

2. CONTRACTING ACTION

Products Purchased	Cost
Collins Log-Periodic Antennas for AACS Comm Circuits	$ 46,000.00
Relocation of telephone cable near Ramstein, Germany	$ 3,100.00

3. UAL CHANGES

Type of Equipment	Additions (Dollar Value)	Deletions (Dollar Val
Vehicle	$ 10,920.00	$ 10,920.00
Test Equipment	31,346.00	8,012.00
Office Machines and Furniture	2,908.00	6,497.00
Tools	796.00	55,652.00
Other	0	12,961.00

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OFFICE OF PERSONNEL AND ADMINISTRATION

ADMINISTRATIVE SERVICES DIVISION

1. Correspondence and Message Volume:

a. Total outgoing messages and correspondence during April:

OFFICE	MESSAGES	CORRESPONDENCE	TOTAL
ZEC	25	0	25
ZECH	3	13	16
ZEA	84	220	304
ZED	3	80	83
ZEF	56	116	172
ZEI	76	26	102
ZEM	112	194	306
ZES	58	186	244
TOTAL	417	835	1252

b. Incoming messages and correspondence:

MESSAGES	CORRESPONDENCE	TOTAL
838	517	1355

c. Classified Material:

INCOMING	OUTGOING	TOTAL
170	46	216

d. Total items recorded: 2823

2. The following Contractor Technical Services Personnel arrived and were processed in during the month:

NAME	COMPANY	DATE OF ARRIVAL
George F Cobb, Jr.	Philco	4 May 60
Max I Rothman	Philco	6 May 60
Clarence W Schmidt	NSL	9 May 60
Ernest Wilkinson	NSL	16 May 60
Ethlebert W. Love	NSL	20 May 60
Gerald Sleph	NSL	20 May 60
George J. Lamos	NSL	27 May 60
Harry A. Budd	RCA	31 May 60

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3. Services of Mr Herbert G. White, Jr., Contract Technician, Philco, Line Item 0917, were terminated on 15 May 60 and a Mr. Garland is due in to replace him. Mr. Garland will further be assigned to the 2874 GEEIA Squadron.

4. New European GEEIA Region Publications:

Regulations:
67-3, 21 May 60, Shipping and Supply Status of CE Schome Material

Supplements:
Sup 1, 10 May 60 to AFR 36-15, Officer Personnel
Sup 1, 23 May 60 to GEEIAR 10-3, Written Communications
Sup 1, 27 May 60 to GEEIAR 11-1, Administrative Practices
Sup 1, 26 May 60 to GEEIAR 32-2, Ground Safety
Sup 1, 16 May 60 to GEEIAR 210-1, Historical Data

5. Reproduction: Approximately 142 Stencils were processed for a total of 9,320 prints.

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OFFICE OF PERSONNEL AND ADMINISTRATION

PERSONNEL DIVISION

INTRODUCTION

The activities of the Personnel Division, at the close of May 1960, continued in an orbital pattern around the remainder of GEEIA Personnel Conference objectives yet to be reached. The division's efforts on OJT, previously subjected to numerous and time-consuming rewrites, recompositions, and refinement, have finally emerged in the form of a European GEEIA Region Supplement 1 to AFR 52-2. Drawing reference to the various existing AF directives on the On-The-Job Training Program, this supplement delves primarily into the conduct of the program, both during and in-between the trainees' periods of temporary duty.

In view of Headquarters GEEIA's forthcoming inspection of the Region Headquarters and squadrons, all commanders were alerted on the major subjects which will be of particular concern to the inspectors - - - personnel records, On-The-Job Training, Ground Safety Program, and Project Top-Notch.

1. PERSONNEL QUALITY CONTROL PROGRAM

Airman Control Roster

During the month, one airman was removed from the quality control roster. This leaves only one other man remaining on the roster with a scheduled final action date of 18 June 1960.

Project Twenty-Ten

No new developments have occurred. Retirement application for Major Powell, retiree-elect, will be initiated during June 1960.

Project 58-45

Status in quo.

AF Forms 75

Headquarters GEEIA notified this Region that it does not intend to supplement the newly revised AFR 39-62. Consequently, action is under way to implement the new provisions of this directive at the earliest possible date.

AF Forms 77

The rejection rate on Officer Effectiveness Reports increased slightly this month. Therefore, renewed efforts are being made towards further improvement of reporting and preparation procedures.

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Promotions

Most of the work involved for the 1 June 1960 Promotion Cycle was completed this month. Of the 18 requests for local vacancy waiver submitted by this headquarters, 13 were approved. Seven airmen were recommended for promotion under the Exceptionally Well Qualified phase. Quotas received for the regular cycle are as follows: To Master Sergeant - 1; To Technical Sergeant - 3; To Staff Sergeant - 3; To Airman First Class - 10; and To Airman Second Class - 6. The European GEEIA Region Airman Promotion Board met on 26 and 27 May 1960 to consider all airmen recommended command-wide for promotion to non-commissioned officer grades and airmen assigned to the headquarters for promotion to Airman First Class and Airman Second Class. Selection results will be published on Special Orders dated 1 June 1960.

2. EXTENSION OF OVERSEAS TOURS

Headquarters GEEIA message, ROTAMAS 5-81-E was received, advising that pending a formal change to paragraph 15f(1), Part One, Chapter Two, AMC Supplement 1 to AFM 35-11, the authority delegated to Region Commanders to grant extensions to overseas tours up to 48 months is revoked. All future requests are to be forwarded to that headquarters for approval. To facilitate decisions by Headquarters GEEIA on these requests, a standard indorsement has been established, which will include recommendation by this Region; projected manning of units concerned, and any other pertinent data.

3. GROUND SAFETY PROGRAM

Renewed emphasis was placed on Ground Safety Reporting. Each squadron was required to consult appropriate base agencies to determine whether any reportable incidents had gone unreported during the period 1 January through 30 April 1960. The results are being submitted to Headquarters GEEIA by letter.

Approximately 95% of all officer and airmen personnel were shown the film, "Mouth To Mouth Breathing." This film received favorable comments from all who witnessed it. The film is being sent to each squadron for showing.

4. RCS REPORTING EVALUATIONS

In conjunction with our RCS Reporting Program which was implemented during April 1960, Headquarters AMFEA was requested to provide this Region with a monthly summary sheet depicting the reporting effectiveness of our units as pertains to AMFEA requirements. This information will be included in future monthly Region RCS evaluations.

5. AIRMAN MANNING AND INFORMATION ROSTERS

A study is being conducted to determine the feasibility of recommending discontinuance of the Airman Manning and Information Rosters, to Headquarters GEEIA. To insure that this study is

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realistically conducted, all units were requested to furnish the average number of manhours being expended towards posting, typing, proof-reading and other processing actions connected with this report. If justified, these statistics will be presented to Headquarters GEEIA to support the recommendation for the M&I's discontinuance, since RCS: RO-P5, Manning Status Reports already contain the essential rudiments by which GEEIA can conduct its personnel programming actions for this Region.

6. COMMAND MANNING STATUS

As of 31 May 1960, the manning strength of this command was as follows:

CATE-GORY	HQ EUR GEEIA REGION		2871ST GEEIA SQUADRON		2872ND GEEIA SQUADRON		2873RD GEEIA SQUADRON		2874TH GEEIA SQUADRON		TOTAL	
	Auth	Asg	Auth	Asg	Auth	Asg	Auth	Asg	Auth	Asg	Auth	Asg
OFF	23	25	4	3	6	5	5	5	6	7	44	45
AMN	83	90	72	56	94	91	87	74	199	188	535	499
DAF	27	25	1	1	2	1	2	2	1	1	33	30
LWR	7	11	0	0	6	5	4	3	4	4	21	23
CTS	57	47	4	4	6	6	7	7	3	2	77	66
TOTAL	197	198	81	64	114	108	105	91	213	202	710	663

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EUROPEAN GUIDIA REGION
APO 332, New York, N.Y.

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JUNE 1960

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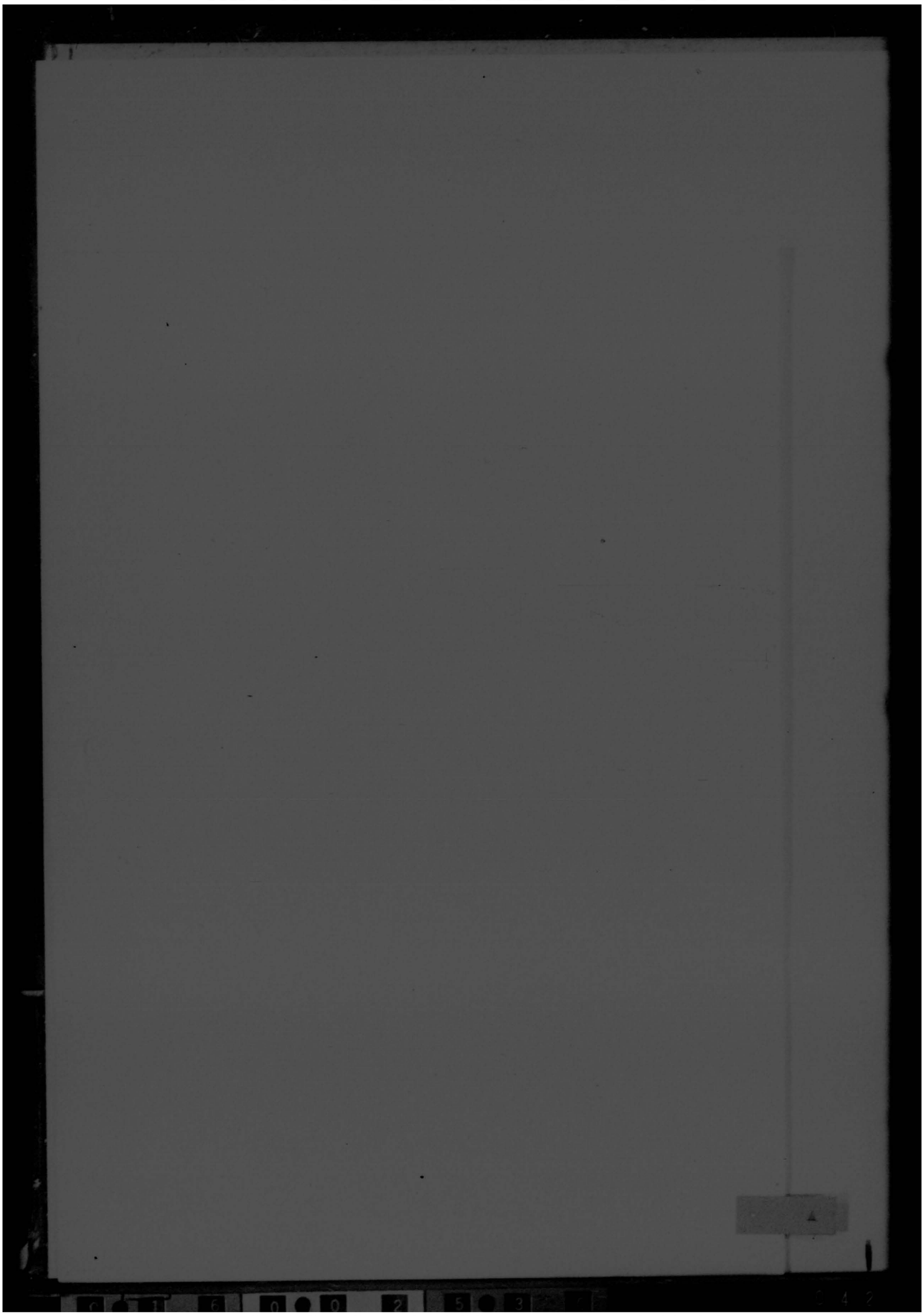

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OFFICE OF PLANS & PROGRAMS

PROGRAMS DIVISION

1. C-E PROGRAM COORDINATION:

a. AF Forms 524 coordinated 196

b. CEIP's coordinated 0

2. FCSF H-1 REVIEW: It has been decided to make a comprehensive study of all C-E Schemes to determine validity, necessity, priority, progress status and fund requirements. A committee to accomplish this has been formed with permanent representation from all directorates except ZEA and with chairmanship from ZEF. At the conclusion of this review the H-1 Report will be correct, the financial plan will be current, all requirements will have scheme designators assigned and action required on each scheme will be delineated. In addition the record copy of each scheme will be in the hands of the directorate assigned for current action, and as actions are completed, this record copy will be forwarded through normal scheme action channels.

3. QUICK FIX: In reply to our query on how to expedite the processing of Quick Fix Schemes to meet short lead times, Ho GEEIA (ROZIS) advised that we submit schemes and call-outs by message. However, the number of schemes involved and the many line items per scheme make this an impracticable procedure. Schemes will be submitted by airmail instead.

4. HOI BY SCHEMES MANAGEMENT: An HOI was received from Schemes Management for review and coordination. This HOI set forth the procedures for putting data into the H-1 Report. The HOI was reviewed and returned to Schemes Management with appropriate recommendations and comments.

5. HOI BY COMM SYSTEMS BRANCH: An HOI was prepared by the Comm Systems Branch and sent out for staff coordination to establish intra-region procedures for directing scheme and job activities to the various elements of the Region. This HOI was predicated and in conjunction with the one generated by the Schemes Management Division.

6. PERSONNEL: Captain Anderson arrived PCS from Central GEEIA Region and assigned to the Comm Systems Branch to replace Captain Robertson, who is rotating in July. M/Sgt Fredricks from the 2871 GEEIA Squadron spent the week of 27 June to 1 July, receiving a briefing of the various aspects of the NAV-AIDS Branch from MSgt Jones, who is to rotate to the ZI during July 1960. M/Sgt Fredricks will be available for duty on/about 15 August 60.

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7. SITE I-5 BASE WIRE PLANT: A conference held at Brindisi, Italy on 9 and 10 June 1960 on cable plant for Site I-5, was attended by a representative from ZEFI. Emphasis was placed on getting contract signed and funds obligated before the end of the fiscal year. The bid of the company "Sielte" was reviewed with the contractor present, and adjustments made to meet USAF requirements. The contractor agreed to resubmit his bid in final form on 15 June 60. A subsequent meeting at SETAF Headquarters Verona, Italy on 17-20 June 1960, finalized the approval and signing of contracts for the Site I-5 Cable Plant. Three contracts were signed:

a. Cable from Brindisi to Site I-5.

b. Cable from Site I-5 to transmitter site.

c. Cable for internal distribution at Site I-5.

RESOURCES MANAGEMENT DIVISION

1. UTILIZATION OF FY60 FINANCIAL RESOURCES: The review of the final fiscal transactions for FY1960 revealed that a total of $887,135 was obligated of the total 437 Budget Program retained in the amount of $591,460. The amount obligated for Project 437 was $524,526. The amount obligated for Project 439 was $62,609. The Project 437 amount obligated includes $287,485 for contractual services created by the finalization of contracts funded by sixteen Purchase Requests ($149,534) (PR's and MIPR's) and fifteen Obligations Authorities ($137,951).

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OFFICE OF SCHEMES MANAGEMENT

1. SCREENING AND CORRESPONDENCE: The H-1 Report FCAM Card deck was submitted to RCAFA via transceiver network for the 10 June 60 (Bi-weekly) reporting period. A negative report was submitted for the 24 June 1960 reporting period, due to lack of key-punch capability at USAFE Statistical Services. This lack of key-punch capability creates a very serious problem. The key-pnoch operators have averaged 30 hours a week overtime per operator for the last two months. It is impossible to obtain changes on a daily basis, or even on a bi-weekly basis. During the next three months Stat Services will loose their most efficient key-punch supervisor and two operators that are proficient in their work. This represents 1/3 of the key-punch operator personnel, which will most likely have to be replaced with trainees. A letter was sent to USAFE Statistical Services which stated the importance of timely reporting and processing of the H-1 Report data, and further requested that they advise as to whether or not they can provide the necessary support requirements, or what assistance is required. It appears that the only solution is for GEEIA to supply two additional key-punch operator slots to this Region with the 4X7 funds to support them.

2. STATISTICS:

a. 148 New Scheme entries

32 New Job entries

and 82 D card change transactions were submitted to Statistical Services on 25 May 1960 and transmitted to RCAFA via the transceiver network on 10 June 1960. On 10 June 1960, 1509 change transactions were submitted to Stats Services, but have not been punched as of this date. These included transactions to cancel or complete 76 schemes and 10 jobs. On 24 June 1960, 44 new scheme entries, 10 new job entries and 32 administrative changes to existing schemes were submitted to Stat Services for processing. The changes submitted on 10 June and 30 June are presently scheduled for processing by Stat Services on 10 July 1960. If Stat Services meets this date, over 3000 changes will be submitted to Stat Services for processing. It is impossible to submit these changes at this time because the key-punch operators can not properly identify them until the current FCAM check is properly up-dated. Further, it is most advantageous to continue monitoring and correcting changes up to the time that key-punching can be accomplished.

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b. Active Schemes:

Schemes active as of 1 June 1960	1470
Schemes Directed	44
Schemes Completed	31
Schemes Cancelled	119
Total Active schemes as of 30 June 60	1362

c. Active Jobs:

Jobs Active as of 1 June 1960	149
Jobs Directed	25
Jobs Completed	12
Jobs Cancelled	0
Total Active Jobs as of 30 June 60	162

3. PROGRAMS:

a. A committee has been designated to screen all entries listed in the H-1 Report and completely up-date all information. Members of this committee are representatives from Engineering, Installations, Materiel and Plans and Programs. Work was started on 20 June 1960 by this committee. So far, approximately 110 schemes have been screened and H-1 Report information up-dated to include all available information.

b. Action has been initiated to provide a card file system and a Headquarters Operations Instruction to provide current C-E Scheme control and a method of providing current H-1 information within the directorates at this Region. This will also include an active scheme file which will be transferred to the phase monitor responsible as determined by the phase outlined in the remarks code in the H-1 Report.

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DIRECTORATE OF ENGINEERING

FLIGHT FACILITIES DIVISION

Personnel:

1. Mr. Paradis attended a short training program at Headquarters CEEIA. Subject covered was Radio Interference causes and methods of suppression

2. Mr. Sengel completed short TDY to Headquarters CEEIA for purpose of completing technical coordination covering several NAV AID problems. During return to this headquarters, he was delayed in the Azores to provide engineering assistance to the 2861 CEEIARON in installation of a high-power LF beacon at Lajes.

Programs - Current:

3. TACAN:

a. Bitburg: Site testing of two sites with a 2nd ACCS Mobile Squadron AN/TRN-6 was completed in June. Both sites passed flight check. An engineering evaluation of each site was prepared and forwarded to 17AF. They will decide which site best satisfies their requirements.

b. Spangdahlem: Three on-base sites were tested with satisfactory results at two. 17AF will review our engineering evaluation of the two satisfactory sites and direct us to proceed with site concurrence action on the one they consider operationally superior.

c. Zaragoza: Authority was received from CEEIA (ROZMNN) to proceed with the antenna tower extension. We are requesting ROAMA to release a surplus tower stored at Rhein Main and when this is accomplished, we plan to use three sections of the surplus tower to increase the present thirty-foot TR-47A tower at Zaragoza to forty-eight feet.

d. Trabzon: During a site visit by our engineer it was learned that land acquisition action for the van-mounted dual AN/URN-3 facility had been completed. Although formal notification by the Turkish government has not yet been received, it appears that the construction project for the van hardstands, tower base and power cable will be able to proceed in the near future.

4. ILS:

a. Bitburg and Spangdahlem: USAFE requested us to conduct engineering surveys to obtain P-300 costs for proposed installations. Earlier surveys in 1959 indicated that ILS would involve excessive site preparation costs. It appears now that utilization of the new "B" type antenna array might offer an approach towards reducing the expensive grading costs. Since USAFE has operational requirements

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for ILS at the two Bases, they have requested a second look. Mr. Nordquist, Northern Field Office, was on site at Bitburg 27 June to conduct the site survey. Site testing with the not-yet-installed Lakenheath AN/MRN-7A/8A equipment may be accomplished if considered useful engineering-wise.

5. LF Radio Range: Partial removal instructions were forwarded for the AN/PRN-7 radio range at Dhahran, Saudi Arabia. The facility has been converted to a non-directional homing beacon.

6. AN/CPS-9 Radar: A site survey was conducted at Hahn Air Base to determine an alternate route for the remoting cables of the AN/CPS-9 Area Storm Detection Radar. At the present time these cables are partially located in approximately 1,400 feet of telephone ducts. The co-location of telephone and power cables is a violation of Air Force Regulations. An alternate route was selected and will be coordinated with base personnel.

7. Standard Installation Specifications: Drafts of specifications for the AN/GMQ-10, AN/TMQ-10, AN/GMQ-11 and AN/GMQ-13 Meteorological Facilities have been completed. In preparing these we have utilized considerable information obtained from other Regions, particularly Pacific and Western.

WIRE COMMUNICATIONS DIVISION

Personnel:

8. Mr. Hubert Curfs, CTS, arrived on 8 June 1960 and is assigned to work with the Inside Plant Branch. SSgt John Rinkus, 70270, arrived on 20 June 1960.

Programs - Current:

9. Communications Center building plans were completed and forwarded to the bases of interest for Laon (modification), Karamursel (new), and Iraklion (new).

10. Plant-in-place drawings (inside plant) for Laon, Chize/Niort and Chaumont bases received from contractor were found to be incomplete. The discrepancies have been brought to the attention of the contractor for his correction.

11. The plant assignment CEIP for the T-13 communications system (including outside plant) and all pertinent work statements was completed.

12. Captain Rowe and Mr. Sands visited Adana AB to attend a Base Facility Board Meeting and review a CE Scheme now in the engineering phase. Scheme publication is being given first priority after T-13 project.

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13. A meeting was held with Mr. Robert Costner, Headquarters GEEIA, and Mr. George Gaetanos, General Electric Company, to determine the responsibilities of the Wire Division in meeting and expediting the 412L Program.

Programs - Future:

14. Base Wire and Telephone System Development Schedules are programmed for:

Toul/Rosiere AB, France	Week of 10 July
Chateauroux AB, France	Week of 17 July
Ankara, Turkey	Week of 14 August

ENGINEERING SERVICES DIVISION

Personnel:

15. TSgt J. R. Terrian, 22370; TSgt W. M. Quillin, 22270; SSgt B. D. Froelich, 22350; A1C D. A. Arnold, 70250; A2C D. A. Domori, 70230; A3C J. H. Bernard, 22330; and A3C L. A. Doyle, 22330, reported for duty and have been assigned as follows:

a. Clerical Services Branch:

A1C Arnold
A2C Domori

b. Drafting and Reproduction Branch:

TSgt Terrian
SSgt Froelich
A3C Bernard
A3C Doyle

c. Surveying Section:

TSgt Quillin

16. TSgt J. R. Terrian has been assigned NCOIC of Drafting and Reproduction Branch and TSgt W. M. Quillin has been assigned NCOIC of Surveying Section.

Activities:

17. We have received our Xerox and Gestetith duplicating equipment and will have it operational by 6 July 1960.

18. GEEIA Form 608 "Request for Duplicating Service" has succeeded [illegible] old duplicating request form.

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19. Summary of Completed Work: Clerical Services Branch processed approximately 944 pieces of correspondence, both classified and unclassified. Approximately 32 work orders were completed for a total of 89 sheets of drafting. Reproductions processed approximately 4,000 prints, both ammonia and ditto.

RADIO COMMUNICATIONS DIVISION

Personnel:

20. During this period, the following personnel were assigned to the Branches indicated:

Name	Company	Branch
Mr. Harry Budd	RCA	H.F. Systems
Mr. Duane Kloeding	RCA	Teletype Systems
Mr. John Bannon	Philco	Propogation System
SSG J. R. Williams		H.F. Systems

Programs - Current:

21. Transportable Tropo: In conjunction with an engineer from Page Communications Engineers, surveys were conducted at the four locations involved in the crash portion of the Turkey Tropo system. One of our engineers returned to the U.S. with the Page engineers to assist in the work statement. The requirement for these amendments was determined during the survey cited above.

22. Trans-Med Tropo: One of our engineers attended a conference in Rome regarding the possible relocation of one of the stations in the Trans-Med Tropo complex. It was agreed during this conference that if the USAF would operate each circuit out of this station within certain specified frequency bands, the Ministry of Defense would concur in the USAF establishing their station at the original location.

23. Site I-5: Preparation of the schemes and specifications for the transmitter and receiver sites were completed. Submission of the schemes to ROAMA is being deferred pending a final decision to cancel HF facilities at this location considering the imminence of tropo installation.

24. Project Flip Lid: An engineer was on TDY to Wheelus AB to perform on-site engineering for completion of this project. The AN/FRC-10 channel shifting and restoring components were rearranged to permit utilization of narrow band microwave channels from the CMC to the remote sites. This rearrangement was required in conjunction with the Quick Fix program.

25. Twinplex Relocation: The necessary removal and installation schemes for the rearrangement of Siegelbach Twinplex circuitry are 90 percent complete. Conversion of the Athens-Pirmasens-Siegelbach circuit from Twinplex to MUX is to be accomplished concurrently with--actually prior to--conversion of the Wheelus-Rhein/Main-Siegelbach circuit from MUX to Twinplex.

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26. Iraklion, Crete: An engineering survey of the receiver and transmitter locations to develop base support requirements and to secure data for scheme and specification preparation was conducted. Base support letter, schemes, and specifications are under preparation.

ENGINEERING CONTROL OFFICE

Activities:

27. A considerable time and effort is being expended in assisting the Review Board to purify the H-1 Report. Action is now underway for each engineer to sit with this Board and provide the necessary information for a realistic accounting of our total engineering workload. By this means and a plan to reflect our future FY engineering obligations of the Wire Field in the H-1 Report, our so called overage of 22 engineers will be more than justified at the completion of this exercise.

Planning:

28. With the understanding that Mr. McLain's recommendation of reorganization will be generally accepted, new HOI's for the handling of work directives from Plans and Programs, and internal instructions for data reporting will be developed. Estimated completion for staffing this work is 20 July 1960.

New Work:

29. The Directorate of Engineering received 74 new assignments during the month of June. During this same period, 20 jobs or schemes were completed and 21 cancelled.

RADAR-ELECTRONICS DIVISION

Programs - Current:

30. 412-L System:

a. Based on recent USAF approval, site surveys were conducted for new construction of eight buildings at three locations to house 412-L system components. Programming action on an accelerated basis is being taken by USAFE to provide the required structures in time to meet the projected operational dates for this system.

b. Concurrence in the engineering drawings for the CECOC was obtained in this reporting period. These drawings were the basis of the USAFE submission to NATO for funds to rehabilitate the CECOC as required. A decision as to whether NATO will fund for this rehabilitation action will be reached at some future date.

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c. The GEEIA Communications Engineering Team, in coordination with offices of interest at USAFE, has compiled detailed requirements for amendment of CEIP's 2A21Q, 2A22Q, and 2A23Q of the USAFE 412-L CEIP 2A00Q. These requirements have been submitted to DCS/COMM, USAFE, for publication of CEIP amendments.

d. The GEEIA Communications Engineering Team, in discussion with representatives of the German Air Force, has clarified telephone system interface problems and base communications requirements for further action by the telephone Inside Plant Branch.

e. Discussion between the GEEIA Communications Engineering Team, the G.A.F., and the Bundespost representatives initiated arrangements for data communications test on Bundespost lines by the G.E. Co., in August. Similar preparations were made to perform such tests on the USAFE microwave network, by discussions with DCS/COMM, USAFE.

31. AN/GPS-4A Implementation Program: Investigations have revealed that switching equipment required for most effective utilization of the programmed AN/GPS-4A's has not been developed. ROAMA has advised that a development program for such equipment will slip implementation of these facilities by two years. It has therefore been decided that the AN/GPS-4A program will proceed as originally scheduled, but that minor items of material will be included in the Bills of Materials so that some switching capability may be provided by installation action.

32. Langerkopf SOC: Engineering action has been completed for the Langerkopf SOC and engineering assistance during the installation phase has contributed to the timely implementation of this facility which now appears will meet the forecast operations date of 15 July 1960.

33. Radio Frequency Interference Seminar: An engineer of ZEMA, accompanied by two engineers of other branches, attended the Interference Seminar at Headquarters GEEIA, 6 through 11 June 1960. This program covered the GEEIA Interference Mission and provided field experience on new RFI equipments. Two Fredricks Research Corp studies of Air Defense Command A.C. & W. sites were evaluated by seminar participants for training purposes.

34. Modernization of A.C. & W. Ground/Air Facilities: Preparation of CE Schemes has been delayed due to the urgency of other projects and the lack of qualified personnel to carry on this program. We are attempting to complete the Schoenfeld scheme and BOM concurrently with the completion of specifications for the new Mosqlle control facility.

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35. Height Finder Siting.

a. We have completed site survey for Height Finders, but preparation of Site Concurrence and Support Requirements Letter is being held in abeyance pending development of a firm operational concept and Utilization Plan. Our engineering services have been offered to 17 AF to develop this plan. Meanwhile, difficulties appeared on the Rhein Control Radar Set and our engineer was reassigned to assist in evaluation of that facility.

b. Hq GEEIA offered TDY services of an engineer from Eastern GEEIA Region to perform this survey. The engineer assigned this project should be familiar with historical background of both locations, so GEEIA was requested to provide an AN/GPS-3 radar expert for Rhein Control (see item # 9) thus releasing our engineer to complete the Utilization Plan and Height Finder survey.

36. Moselle Control (Metz RATCC): Preparation of Installation specifications for this facility has been delayed due to urgency of other projects.- Sketches for drawings have been submitted to ZEMS and narrative portion of specification is tentatively set for 31 July 1960.

37. Madrid (Paracuellos) RAPCON Survey:

a. Survey results for the proposed SIF installation have been forwarded to 16 AF. Policy differences on TCTO requirements for this equipment have been sent to GEEIA for resolution.

b. Review of reported Magnetron-pulling and "atmospheric angels" resulted in re-adjustment of antenna and equipment. Program to modify the radar to provide circular polarization is temporarily held in abeyance pending results of operational tests now being conducted.

38. Rhein Control RATCC: This facility was completed and IIC's prepared about 15 June 1960. However, difficulty is being experienced in obtaining proper coverage. An evaluation was performed by (A) local GE depot team and (B) 7490 Support Flight (RS). 17 AF requested our assistance, and two engineers conducted a survey. Although all tests and measurements indicate the set is operating at optimum, the returns are those of a poor radar. Based on GEEIA proposal, we have requested expert assistance from Manufacturer.

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Programs - Future:

39. AN/GPA-70 Video Mappers and AR/UPX14 IFF: Hq GEEIA has been requested to provide technical data on these equipments so we may proceed with mussury site surveys and engineering.

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DIRECTORATE OF INSTALLATIONS

WORKLOAD CONTROL DIVISION

1. Evreux Hospital Scheme: Assistance from Headquarters GEEIA was requested for inside plant personnel in accordance with GEEIA Regulation 85-1. Team was furnished by the 2870 GEEIA Squadron at Hill AFB, under the Western Region The team arrived at Evreux on 30 June 1960. The 2874 GEEIA Squadron is supporting this inside plant team with four cable splicers. Work start date was 1 July 1960 and estimated completion is 29 July 1960.

2. Mildenhall ILS: The Mildenahll ILS was flight checked and signed, with no exceptions on 27 June 1960.

3. Nav Aids Reporting: A report on the TACAN, ILS and RAPCON Programs is now a semi-monthly mandatory requirement, and is submitted on the 15th and 30th day of each month to Headquarters GEEIA. This report was requested by Colonel Lindstrand for General Neal, in a personal message to Colonel Hope. ZE. has submitted two reports for the month of June.

4. SAC Command Post Schemes:

a. Spanish Area:

(1)	Torrejon	Complete
(2)	Zaragoza	Complete
(3)	Moron	Complete
(4)	Ben Guerir	Complete
(5)	Nouasseur	Complete
(6)	Sidi Slimane	95% Complete
(7)	Lajes	Siting is still in question, Base Support not ready.

b. English Area:

(1)	Brize Norton	Complete
(2)	Fairford	65% Complete
(3)	Greenham Common	Equipment shortage
(4)	Mildenhall	No Date-possible cancellation
(5)	Upper Heyford	Complete

5. Depot Level Outside Plant Maintenance: The Directorate of Installations has the responsibility for compiling a study of outside plant maintenance requirements in this theater. This requirement was generated by a letter from Headquarters GEEIA from Colonel Lindstrand. To date, the following action has been taken:

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a. Compiled information and wrote a proposed guide for Depot Level Maintenance for outside plant. This includes radio and telephone outside plant.

b. Requested assistance from Eastern GEDIA Region in surveying European GEDIA Region Air Comm Installation capability. This assistance is for new Installations and the Air Comm Modernization Program.

6. Rhein Control: The installation of the radar and ground to air radio facility at Birkenfeld was completed and installation inspection performed during the month of June.

The radar installation, although checked out in accordance with T.O. standards and electrically satisfactory, did not meet the operational requirements hoped for the facility. A separate engineering assistance program is underway to determine the problem, if any, and make recommendations for corrective action.

Langerkopf SOC: The triple GTA-6 installation at Langerkopf was complete except for final check-out on 27 June 1960. Materials for the radar auxiliar installation arrived at Hemstein AB 21 June, and installation began on 27 June. It appears that the installation will come very close to meeting the ops date.

8. Statistics:

a. Number of schemes in work:	45
b. Number of jobs in work:	28
c. Number of removal schemes in work:	12
d. Number of schemes completed:	9
e. Number of jobs completed:	3
f. Number of schemes cancelled:	46
g. Number of jobs forwarded to Squadrons:	11
h. Pre-installation surveys conducted:	5

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DIRECTORATE OF MATERIEL

1. OB SCHEME SUPPLY ACTION

Type of Facility		No. of BON's Published	No. of Schemes called out	Schemes supplied 100%	Schemes partially supplied
Inside Plant	(A)	3	1	0	2
Outside Plant	(B)	5	3	1	3
Other Comm	(C)	13	11	0	5
Meteorological	(M)	0	0	1	0
Nav-Aids	(N)	6	1	2	7
Radio	(R)	5	10	0	17
Special Systems	(S)	0	0	0	0

2. CONTRACTING ACTION

Products Purchased	Cost
Installation of Bravo Section of USAFE Microwave System	$ 18,787.37
Installation of Fault & Supervisory Systems at 9 Stations in Germany	$ 35,000.00
Expansion of Administrative Telephone Distribution System, Bitburg AB	$ 5,552.28
Ten Line Items of Electric Power Cable for Weather Schemes	$ 55,137.78
Excavation & Backfilling of Trenching Spangdahlem AB	$ 15,068.28
Excavation & Backfilling of Trenching Bitburg AB	$ 6,294.32

3. UAL CHANGES

Type of Equipment	Additions (Dollar Value)	Deletions (Dollar Value)
Vehicles	$ 68,240.00	$ 74,656.00
Test Equipment	$ 6,462.00	$ 541.50
Office Machines and Furniture	0	$ 1,047.17
Tools	$ 324.00	$ 233.00
Other	$ 188.00	$ 2,099.00

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OFFICE OF PERSONNEL AND ADMINISTRATION

ADMINISTRATIVE SERVICES DIVISION

1. Correspondence and Message Volume:

a. Total outgoing messages and correspondence during June:

OFFICE	MESSAGES	CORRESPONDENCE	TOTAL
ZEC	10	17	27
ZECH	2	19	21
ZEA	105	207	312
ZEB	2	73	75
ZEF	67	95	162
ZEI	80	31	111
ZEM	122	157	279
ZES	46	138	184
TOTAL	434	737	1171

b. Incoming messages and correspondence:

MESSAGES	CORRESPONDENCE	TOTAL
933	526	1459

c. Classified Material:

INCOMING	OUTGOING	TOTAL
137	51	188

d. Total items recorded: 2,818

2. The following Contractor Technical Services Personnel arrived and were processed in during the month:

NAME	COMPANY	DATE OF ARRIVAL
Hubertus Curfs	Gustav-Firsch	8 Jun 60
Duane A. Kaeding	RCA	16 Jun 60
John E. Bannon	Philco	17 Jun 60

3. Services of Mr Bobby E. Reinemer, contract technician, Philco Line Item 0466, 2871 Geeia Squadron, were terminated on 30 Jun 60 and Mr Wallace H. Gilliam, called out as his replacement effective 1 Jul 60. Due to discontinuance of 2871 Geeia Squadron Mr. Gilliam will be assigned to duty at this headquarters.

4. New European GEEIA Region Publications:

Regulations
32-1A, 6Jun60, Ground Safety Program

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Supplements:

Sup 1, 21 Jun 60 to AFR 35-9, Officer Military Personnel Record System
Sup 1, 9 Jun 60 to AFR 32-2, Ground Accident Reporting
Sup 1, 21 Jun 60 to AFR 52-2, On-The-Job Training
Sup 1, 24 Jun 60 to AFR 205-1, Safeguarding Military Information

5. Reproduction: Approximately 121 Stencils were processed for a total of 7,251 prints.

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SEMIANNUAL HISTORICAL REPORT

REPORTS CONTROL SYMBOL: AU-D5

1. NAME OF UNIT	2. LOCATION	3.
2874th GEEIA Squadron	Ramstein Air Base, Germany	FROM 1 Jun 60 THROUGH 30 Jun 60

4. NAME AND LOCATION OF NEXT HIGHER HEADQUARTERS

Hq European GEEIA Region
Wiesbaden Air Base, Germany

5. PERSONNEL STRENGTH (Last day of reporting period)

	OFFICERS	AIRMEN	CIVILIAN	TOTAL
AUTHORIZED	6	199	5	210
ASSIGNED	9	198	5	212
ATTACHED	0	1	0	1

6. STATEMENT OF MISSION INCLUDING CHANGES (Continue on separate sheet)

The mission of the 2874th GEEIA Sq (AMC) was as specified in Hq Eur GEEIA Region Supplement 1, 11 April 1960, to Hq GEEIA Reg 25-1 (atch c). The geographical area of responsibility was primarily Central Europe for meteorological and navigational aids facilities while the geographical area of responsibility for telephone and wire facilities (both Inside and Outside Plant) was the same as that covered by USAFE.

7. ORGANIZATIONAL CHANGES INCLUDING REASONS FOR CHANGE (Continue on separate sheet)

No major organizational changes have been made during this six month reporting period. The organization of the squadron was as depicted in the organizational and functional charts included as attachments B-1 through B-6. During the first three months the personnel and administrative sections of this organization were combined. In April one MSgt, AF30 73270 was assigned and the two sections were seperated.

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8. ADMINISTRATIVE PROGRESS AND PROBLEMS (Continue on seperate sheet)

The administrative section has been maintained by one SSgt, AFSC 70270 and one A/2C, AFSC 70230 in spite of the fact that there are 5 airmen, 702X0 authorized on the Unit Manning Document for this organization in the 03000 functional account code. This shortage of personnel posed quite a large problem since this is a TDY type outfit and the cutting and publishing of Special Orders alone has become a full-time job for one airman. The problem should be eliminated during August 1960 with the projected assignment of 2 airmen, AFSC 70250 who have been declared surplus to AAFSA requirements.

Due to a shortage of personnel between 1 January and 31 March 1960 not all required personnel actions were up-to-date, and in proper form. The main factor responsible for this was the shortage of manpower. One A2C, AFSC 73250 and one A2C, AFSC 73250 were assigned this section. Part of the necessary actions were absorbed by the administrative section which helped the overall operation considerably.

On 1 March 1960 this section gained one SSgt, 73250 and he began conducting delinquent record reviews, bringing emergency data forms up-to-date, clearing up pro-pay classification problems and other classification actions. During April 1960, three additional personnel were gained and one was rotated to the ZI. The new personnel included one TSgt, AFSC 73270 and two A1C, AFSC 73250 type. This new manning picture immediately helped to get a vigorous Squadron OJT program in operation; a much better suspense system to insure timely submission of approximately thirty reports, and a reduction in the number of documents being returned to the squadron from Base Finance because of errors.

During April, May, and June, over forty new personnel were gained by the organization. This large influx of personnel increased the work load considerably in all areas of this section, especially the Finance and Record Clerks. Most personnel required housing applications and other miscellaneous actions to prepare families for travel to this area.

A few special projects and results are as follows.

a. Record reviews accomplished: 105
b. Record of Emergency Data Forms Reaccomplished: 125
c. Leave records completely audited: 196
d. Action initiated to obtain passport control cards for all dependents.
e. Complete audit of the unit morning report against personnel records resulted in approximately 15 L.I.I corrections and reaccomplishment of over forty MRDR cards.

9. MISSION PROGRESS AND PROBLEMS

As of 30 June 1960 this squadron had 186 active C2 Schemes on file. A breakdown by type facility and scheme phase appears as atch D-5. Of these 186 schemes, 156 had original operational dates prior to the first quarter of Fiscal Year 61 and are therefore classified as delinquent schemes. Of the remaining 30 schemes 23 had original Ops dates of 161 or later, and the Ops dates of 7 had been changed to 161 to bring them out of the delinquent classification. Of the 156 delinquent schemes 22 were in the pending stage awaiting installation and 11 were active schemes, being installed. There were, therefore, 123 delinquent schemes which could not be installed for either Supply, Support or Engineering deficiencies.

In an attempt to eradicate these delinquent schemes the schemes monitoring branch of Plans and Programs initiated the following actions:

a. Queried major air commands and/or bases in an attempt to determine whether or not the original requirement for these schemes was still valid. (Ref atch G-1)

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c. Continued

During June a CPO E-5, was assigned as Personnel Officer which will help considerably in the overall improvement of the section.

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9. Continued

b. Collected BOD and delinquent BOM line item information through the combined sources of Project Count, Installation Team Chief Trip Reports, and Requests for Inventories to be conducted by Base Personnel (Ref atch C-2).

c. Researched our local resources for delinquent line items and informed Hq Eur CEEIA Region of those items still required to come from CESAC.

On 21 March 1960, 5 personnel were placed on TDY for 7 days to Hq Eur CEEIA Region, Wiesbaden AB, for the purpose of preparing the Fiscal Year 62 Budget Estimate. A total figure of $409,097.00 was arrived at based on 142 schemes and included $123,560.00 for contracts. As of 30 June 60 the Annual Budget Authorization (ABA) was $104,329.00, while the obligations were $103,712.99, and the squadron closed out the Fiscal Year with 99.4% of the total ABA obligated.

During the six month reporting period 45 AFTO Form 88, Installation Inspection Certificates were accomplished. Of these 8 included AFTO Form 88B, Part III's with corrections to be made either by CEEIA or other agencies at a later date. A total of 34 schemes were cancelled during the six month period.

By far, the most significant installation of the past six months has been the Birkenfeld Radar Control Center. This installation encountered on a somewhat larger than normal scale, most of the problems confronting the typical installation of the period. A team composed of ten outside plant and 10 inside plant men arrived at Birkenfeld in Mid-December for the purpose of inventorying equipment and providing last minute engineering assistance for the Allied Support Requirements. At the outset, even the elements presented an obstacle. The outside storage area which accommodated the AB-313 Radar Tower was blanketed with snow. (Ref atch F-1). The equipment had been delivered to the installation site and off-loaded without supervision by CEEIA personnel, and as a result many of the boxes were damaged and the material exposed to the elements. (Ref atch F-2). The AB-313 components rapidly began to rust and many of these items were later found unfit for use. (Ref atch F-3). In addition, many of the steel parts had been deformed and required reshaping before they could be implemented (Atch F-4). The tower had previously been in use and many of the stenciled part numbers had been obliterated. To compound matters none of the boxes had packing lists attached and there were no Technical Orders or drawings available.

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9. Continued

Actual installation of any magnitude did not commence until February. The VHF and UHF equipment to be installed was obtained from within theater resources and upon inspection of this equipment (atch F-5) the decision was made to have LEA overhaul all units. Drawings were finally received on 27 Jan 60, and on 15 Feb 60 CWO Knick was appointed Project Officer to alleviate some of the "Non-Installation" type problems plauging MSgt. Bortell, the installation team chief. Mother nature continued to interfere and the installation progress was greatly hampered due to the amount of snow and ice encountered during the months of February, March and April. (Atch F-6).

As soon as possible after the results of the inventory had been tabulated Hq USAFE and ROAMA were notified of the missing material required to complete the installation. To prevent an immediate work stoppage, the local EIO assisted in the fabrication of missing items for the tower. In another desperate attempt to make up shortages, hardware from the remains of an AB-199 tower was substituted. Finally the decision was made to ship another complete AB-313 from the States under Priority II with USAFE as the monitoring agency. Here again the installation suffered from transportation ailments. ROAMA transferred 252 pieces to McGuire AFB, New Jersey, for reshipment to Frankfurt, Germany. Within one week, on 14 March 60, 148 pieces were received at the end location, and after many follow-up messages and phone calls the missing pieces were located at McGuire AFB. These "missing" pieces were never received at the end location. Subsequent follow-up action failed to recover the missing pieces. However, a sufficient amount of components were available from the second tower shipment to make-up the deficiencies of the original tower.

Despite all these obstacles, the tower erection progressed satisfactorily, mainly through the improvisions of MSgt. Bortell and the endless efforts of squadron personnel "scrounging" and substituting items.

Considerable difficulty was encountered in obtaining a crane and an air compressor with tack-hammers to expedite the erection of the AB-313 and AB-105 communications antenna towers. The Army furnished both these items together with operators for a two week period. The Army crane was withdrawn from the installation when USAFE located a similar crane in France which was subsequently transferred to the Birkenfeld EIO for a 90 day period. Likewise the Army air compressor was released with the arrival of a similar tool borrowed from the 13th Comm Construction Sq, of the 2nd Comm Group. Normally these items are on full-time use at every Base, and as much lead time as possible should be given a command to obtain them for GEEIA on crash projects.

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3. Continued

To accomplish the installation of the radar equipment for this facility, 5 radar installers were placed on TDY from the 2073rd USAFA Sq in England. After completion of the radar installation a Civilian Team was dispatched from the GE Overhoul Depot at Ramstein to tune-up and evaluate the performance of the set. This was completed on 6 June 60 and the IIC's for this facility, which were signed shortly thereafter, are presently in the publishing stage.

This installation has been described at length in an attempt to identify the problem areas associated with many of the "Pre-USAFA" engineered, USAFA installed schemes. Inadequate Allied Support, incomplete and unsatisfactory BOM's, and "on site" engineering are characteristic of most of these installations. USAFA would profit enormously by assigning a Project Engineer well in advance of the installation start date to all schemes of this nature. Periodic visits to the job site before the scheme is called out would insure that the installation specs and Allied Support requirements are maintained in a current status.

During the month of February the entire operational strength of the 2074th was engaged in carrying out the objectives of Project Count. The 2074th was charged with the responsibility of inventorying schemes at over 20 locations throughout the USAFE command within a minimum of time. Largely through the efforts of Captain Norman Kramme, the Operations Officer, the project, which was originally proferred on a "crash" type basis, was transformed into a well-managed, thorough operation. Twenty-three days elapsed between the departing of the first team on 3 Feb 60 and the transmittal of the tabulated inventories to RCAFA. During this period personnel of the squadron visited 35 locations within the Central European Area, and inventoried 191 GE Schemes, comprising over 3,000 line-items. In addition to the inventories furnished RCAFA, each Base visited was provided copies of inventories conducted on their bases. The information gathered during this operation was further processed by the Plans and Programs section and used in identifying delinquent SCN line items. Many of the items inventoried were later shown to be excess to cancelled or completed schemes, resulting in re-deployment of this equipment to satisfy active requirements.

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5. Continued

The Radio/Nav Aids Section of Operations experienced an average manpower utilization figure of 75% during the six months preceding 30 June 60. (Atch D-1). The high of 93% for the month of February is attributed to Project Count. On 3 Jan 60 four radio men were placed on TDY to the 2872nd GEEIA Sq in Spain to make installation of a microwave link at three bases in Morocco. Shortly thereafter, Hq Eur GEEIA Region directed the removal of various Radar and UHF facilities in France. The removals included an FPS-13 and UHF equipment from Erding in the latter part of January, UHF pilot to forecaster equipment from Chaumont and Toul Air Bases during March, and pilot to forecaster equipment from Sembach AE during the early part of April. During the months of March and April GCA UHF Communications Augmentation facilities were accomplished at Ramstein and Dreux Air Bases. A Transport Control facility and a Shutting Monitor were installed at Dreux and Spangdahlem Air Bases, respectively during the month of May.

On 29 May 1960 installation of three weather facilities at Chateauroux were begun. Here again the installations were hindered because of the fact that installation specs and allied support requirements of these "Pre-GEEIA" engineered schemes were not kept current. Modifications to the concrete support pads and the steel supporting structures had to be made under the supervision of the installation team chief. This lead to considerable lag time, and these facilities have not been completed to date. In Mid-June a Technical Advisor was placed on TDY to Chateauroux from the 10th Weather Sq at Wiesbaden to assist our personnel in making this installation. Previously, during the month of March, six radio men attended a two week Weather Equipment Installations Course conducted by the 10th Weather Detachment at Wiesbaden AB.

The average outside plant manpower utilization figure was 92% for the six month period. The high of 124% during the month of May is attributed to the installation of a CW-396A/CPS Rigid Radome at Langerkopf, Germany. (Atch D-2). In a span of 4 days, from 13 to 17 May, 27 personnel of this squadron expended 1300 manhours on this project. As previously determined at a meeting attended by representatives of the 501st TCW, Hq USAFE and GEEIA, the total of four days radar "down time" was all that could be tolerated. Weather forecasts were received and the period of 13 to 17 May was chosen as the best period since the weather was to be favourable at this time. To hold up our part of the bargain, 2874th GEEIA Sq personnel worked around the clock in an attempt to complete the assembly of the plastic panels which would eventually provide wind and adverse weather protection to the radar antenna assembly at Langerkopf.

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9. Continued

One the panels were in place some crew members were given "time-off" periods of 8 hours duration, and they in turn replaced other crew members still working to secure the panels. In spite of the favorable weather forecasts, vitually the entire installation was conducted under adverse conditions. Often the crews continued to work, hampered by torrents of rain. Extreme difficulty was encountered, because of the precipitation, which occurred during the caulking process. Caulking compound, which is used in an attempt to effect waterproof joints, must be applied on a dry surface for maximum effectiveness. As a result some leaks developed in the dome, and when the weather cleared, another attempt was made to patch the areas which were believed to be the source of trouble. This proved fruitless as the dome continued to leak and further attempts failed to locate the faulty joints. Approximately 50 days elapsed from the dome completion date until the Langerkopf C.E Officer agreed to sign the AFTO Form 88 completion documents. And this was only done with the stipulation that an unsatisfactory report on the CW-396A/CRS Radome be submitted.

A great deal of progress was made on the Outside Plant Expansion Schemes at Ramstein and Hahn Air Bases. A brief tabulation of the work accomplished to date on these schemes is presented in Atch D-4. Trenching for all four schemes was accomplished by a commercial contractor. Material problems were encountered on all four of these schemes. In the case of the Ramstein Schemes all of the terminals were received in a damaged condition. The terminal tails were damaged in shipment and under test indicated many shorts, grounds and crosses. In addition, these terminals were not equipped with terminal mounting brackets. Normal supply action could not produce the brackets, and as a result a work order had to be accomplished by the 7050th Field Maintenance Sq at Ramstein AB to fabricate these items. The work order carried no priority and a considerable amount of time elapsed before the brackets were furnished. Included among the other material not furnished were duct seal and muslin required to accomplish splices. Neither item could be furnished through normal supply channels and first aid gauze was finally reported to as a substitute for the muslin. To date no duct seal has been furnished for these schemes.

In the case of the 07A-L Scheme at Ramstein several underground cable facilities were damaged. At a meeting held to determine the cause of the damage it was learned that the contractor's prints, received from EUCOM were inaccurate and did not reflect previous changes in the buried cable located in the area.

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3. Continued

Cable required to accomplish the schemes at Hahn were provided from within theater resources. When this cable was inventoried by the Installation team it was found to consist of both American and German types. At that time it was learned that the size and gauge of this cable were not compatible with that specified on the BOI and cable prints. In some cases even the amount of cable stenciled on the reels was in error. Much of this cable eventually had to be replaced with cable obtained from other sources. Considerable difficulty was experienced at Hahn in obtaining the required support from Base Units as outlined in T.O. 31-1-6. The base facility prints had not been maintained on a current status as new facilities were accomplished. This resulted in numerous cable cuts of existing facilities during the trenching operations. EIO had to be prodded quite often in order to have work orders accomplished for cable markers. EIO at Hahn was also uncooperative on the matter of repairing damaged conduit which was to accomodate new cable.

Included among the accomplishments of the Special Projects Section of Operations were pre-installation surveys for the Outside Plant Expansions at Bitburg and Hahn Air Bases, as well as a pre-installation survey of a 102 A Key System at Chateauroux. Perhaps the most significant accomplishment of Special Projects was a detailed inventory of all weather equipment conducted at 12 bases throughout France and Germany. During this project, CWO Bell of this organization, assisted by CWO Malarcek of the 10th Weather Field Maint Sq, gathered the basic information which was to formulate the groundwork for all future weather scheme installation scheduling. CWO Bell's reports included line item inventories of all schemes as well as valuable information concerning the progress of Allied Support requirements and the status of contracts for trenching at each of the 12 bases visited.

Inside Plant manpower utilization reached a high of 134% during the month of May and experienced a low of 24% during February. (Atch 9-3). The overall inside plant utilization was 62% for the reporting period.

The 134% utilization figure for the month of June is attributed to the installation of Ground Telephone (GTA-6), Radar and Teletype at the 603rd ACSW Sq at Langerkopf, Germany. Major Air Command pressure had laid a 15 July Ops date on these facilities and many hours of overtime had to be devoted to the installation in an attempt to meet this date. 1Lt. Huff, ACCIC of the Inside Plant Section of Operations has been influential in overcoming many of the difficulties encountered. This installation was typical of the "Slam Bang", crash-

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9. Continued

type, installation. As with all crash projects, all of the problems encountered on a normal lead time installation were compounded because of the time element involved.

In the case of the 3.A-6 scheme adequately engineered specifications were not available at the start of the installation and an engineer had to be brought to the site from Rome N.Y. The Bill of Materials was not adequate and as a result Hq CCCIA was forced to write a Scheme amendment to provide the additional required items. The bulk cable that was furnished on the 30K was not color coded. This necessitated a test identity of each conductor involved.

The Teletype Scheme was rushed to such an extent that wooden cable duct and equipment racks had to be furnished. The effects of this zero supply lead time were felt to such an extent that the engineer was forced to scour the resources of the Ramstein AB salvage yard in an attempt to locate 3 ea SB-6 teletype switch boards to fulfill 30K requirements. As of 30 June all indications are that the deadline C.S date of 15 July for these facilities will be met.

Within the first three months of this reporting period our Inside Plant personnel participated in "Poor Man's Tropo" tropospheric scatter installations at three locations in Morocco. Also during this period a five-man team was dispatched to Nouasseur AB in Morocco to accomplish the removal of a 300 line dial system. Following this, one man was placed on TDY for 25 days with the 2072nd CCCIA Sq to supervise a Recon installation of 102A Key equipment in Spain. Another 102A Key System was later installed at Wheelus A., Lybia, with assistance from the 2071st CCCIA Sq. During the latter 3 month period a 200 line dial expansion was made to a 600 line dial system at Dhahran A.B, Saudi Arabia. Within the same period 2 men were dispatched under a job order number to provide power for cryptographic equipment at the Siegelbach Switching Center in Germany. Circuit trouble which occurred subsequent to this installation at Siegelbach was attributed to faulty on-site engineering provided our crew by local technicians.

A great deal of work was accomplished by the Supply Section within the six months prior to 30 June. The entire storage capability, an area of approximately 5,000 square feet, including outside storage, was completely rewarehoused. Many hours were devoted to properly identifying items which had previously lost their identity. Following this action 362 line items of installations hardware were properly binned. All storage units and pallets

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9. CONTINUED (Continue on separate sheet)

are painted, lettered and numbered for easy item accessability.

In addition to re-warehousing the tool crib, progress was made in an attempt to re-evaluate the special tools listed on the UAL. Change requests were then submitted to align the UAL to meet our mission requirements in this area. Receipt of amendment #37 to AFM 67-1 called for action to change approximately 159 airmens' AF Form 536.

Unprogramed jobs and poorly engineered schemes, which neglected much of the hardware necessary to complete an installation, presented many problems to the Supply Section. Time and time again Supply was called upon to secure items not normally stocked. These requirements consisted of specific nuts, bolts, washers and other types of installations hardware which should, in theory, be included on the Scheme BOM. In addition to the above certain tools (such as impact wrenches) which were not authorized to the squadron, have been required. Many of these tools were needed due to the poor base support furnished our teams.

10. ADDITIONAL REQUIREMENTS (Continue on separate sheet)

Throughout the past six months the need was evident time and again for a system of "customer" education regarding the workings of GEEIA ..... particularly with respect to the RPO system. Many of the receiving agencies involved, i.e. Commercial Transportation, Base Postal and Base Supply, were uncertain of the actions to be taken following receipt of shipments. The establishment of firm agreements with each Base regarding the actions to be taken upon receipt of shipments will insure the safe delivery of equipment. In addition, a focal point must be established on each Base (i.e. the Base Communications Officer) to arrange for the transportation of equipment from the various receiving agencies on base to the GEEIA segregated storage area, pending arrival of the GEEIA RPO.

11. LIST OF SUPPORTING DOCUMENTS (Continue on separate sheet)

A. GENERAL ORDERS (None)
B. ORGANIZATION CHARTS B1 - B6
C. MISSION DIRECTIVES C-1
D. VITAL STATISTICS D-1 - D-5
E. ROSTER OF KEY PERSONNEL (Include position and date assigned)
F. Birkenfeld Photographs F-1 - F-6 G. AFR Documents - G-1, G-2

PREPARED BY
for Nicholas C. Bellantis
NICHOLAS C. BELLANTIS, 2nd Lt, USAF

APPROVED BY
Edward G. Whitley
EDWARD G. WHITLEY, Major, USAF

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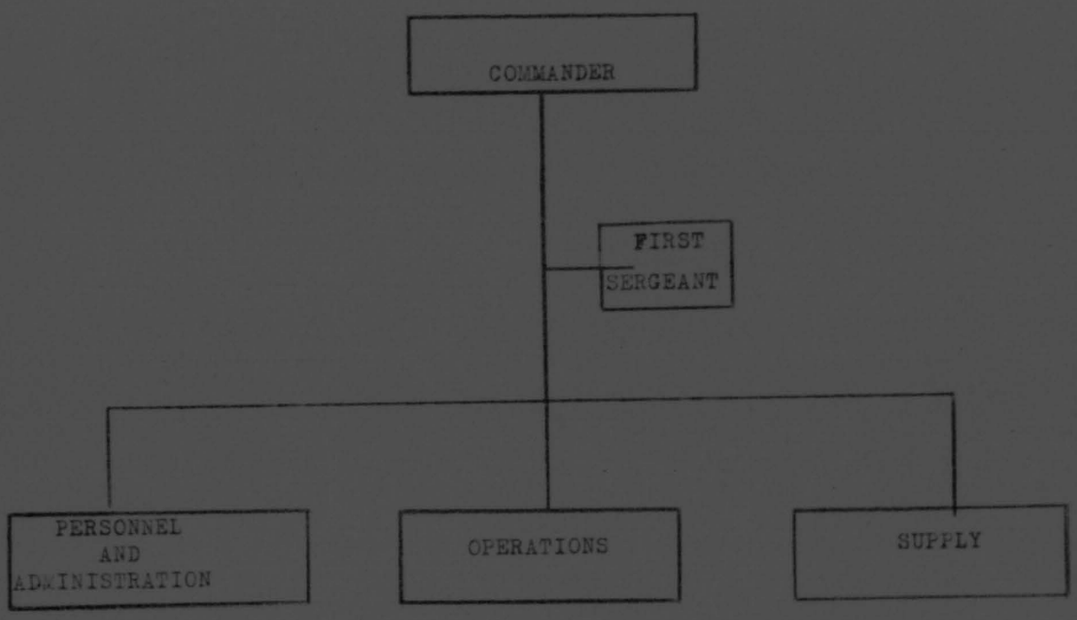
2874th GEEIA SQUADRON



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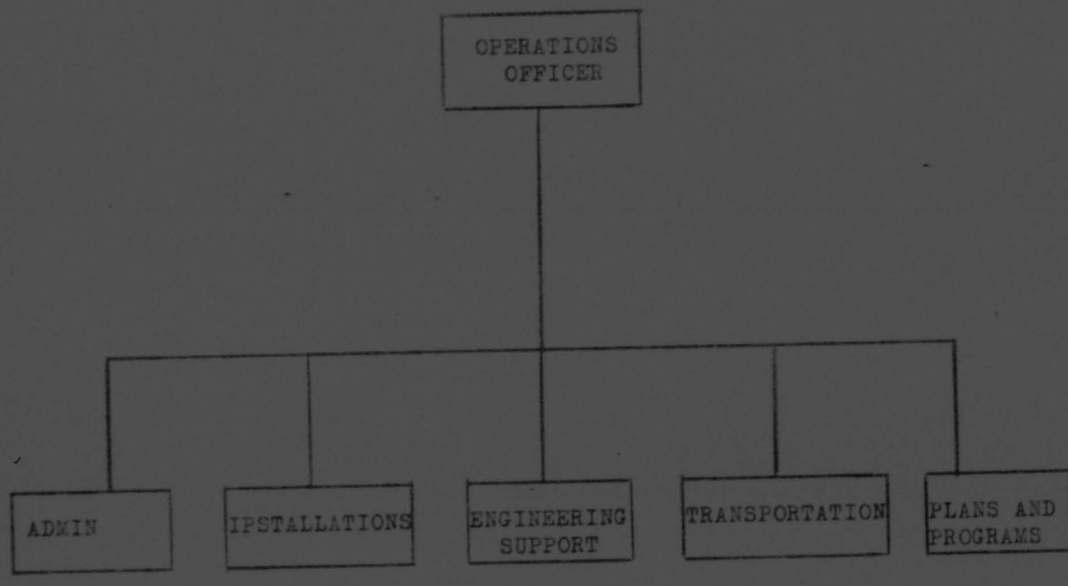

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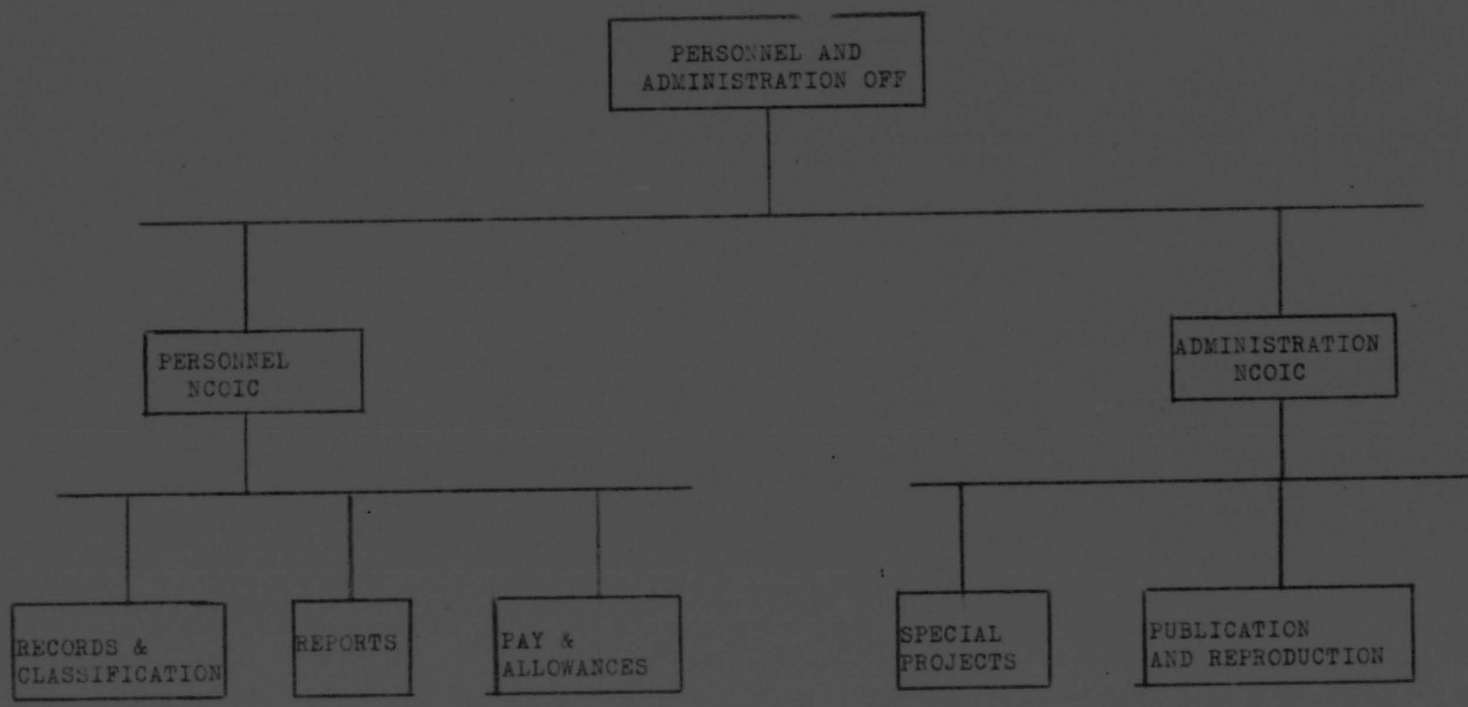

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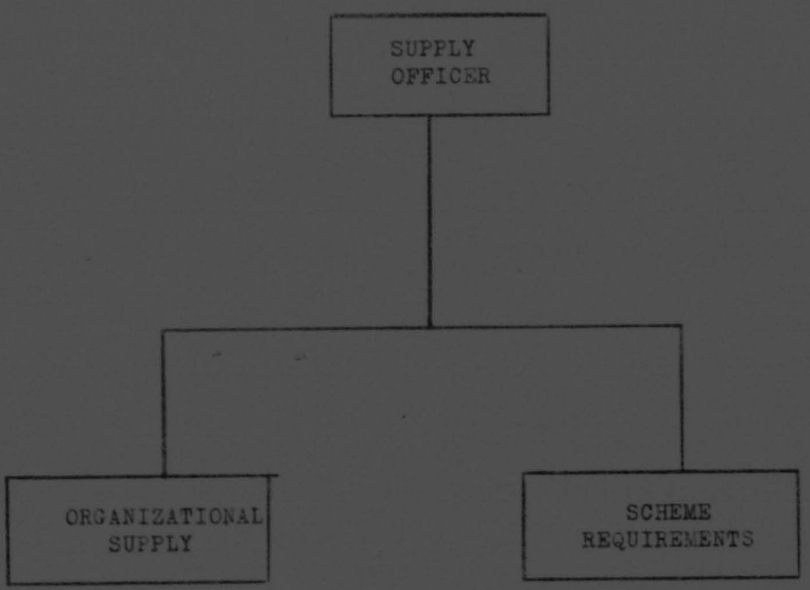

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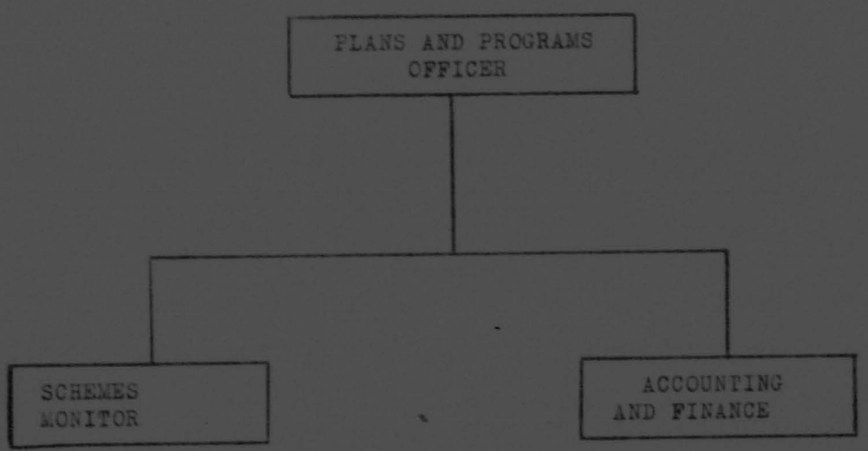

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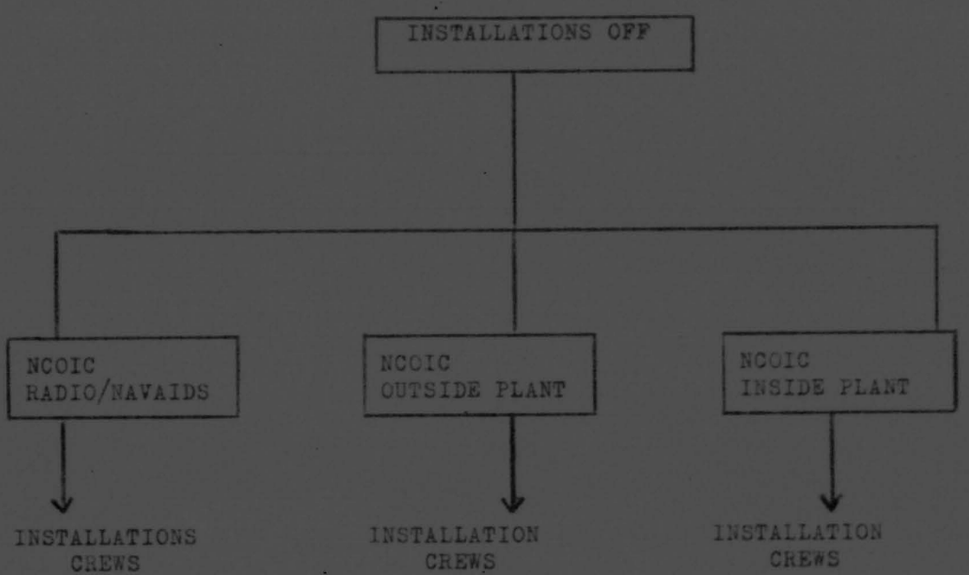

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ZE Sup 1/GEEIAR 23-1

Eur GEEIA Region Supplement 1
to GEEIAR 23-1

HEADQUARTERS, EUROPEAN GEEIA REGION
APO 332, US Forces
11 April 1960

Organization - Field

MISSION AND ORGANIZATION OF GEEIA REGIONS

GEEIAR 23-1, 9 January 1959, is supplemented as follows:

4c. In accordance with the policies and procedures established by the Commander, GEEIA, and as directed by the Commander, European GEEIA Region and other competent authority, the GEEIA Squadrons assigned to Headquarters, European GEEIA Region are responsible for:

(1) Installation of fixed ground communications-electronics facilities and providing emergency depot-level maintenance of outside plant facilities within their assigned geographical area of responsibility.

(2) Developing and conducting technical training programs for unit personnel and for training operating agency maintenance personnel during the installation phase.

(3) Performing GEEIA Responsible Property Officer (RPO) functions as directed by the Commander, European GEEIA Region.

(4) Performing inspection and acceptance of contractor installed facilities as directed by the Commander, European GEEIA Region.

(5) Preparing budgetary estimates and performing ancillary administrative actions pertinent to the installation phase.

(6) Preparing and submitting data and reports as required.

(7) Performing such other functions as directed by the Commander, European GEEIA Region.

FOR THE COMMANDER:

L.L. HUBER
Captain, USAF
Chief, Administrative Services

OPI: ZEAM
DISTRIBUTION: S

Atch 61

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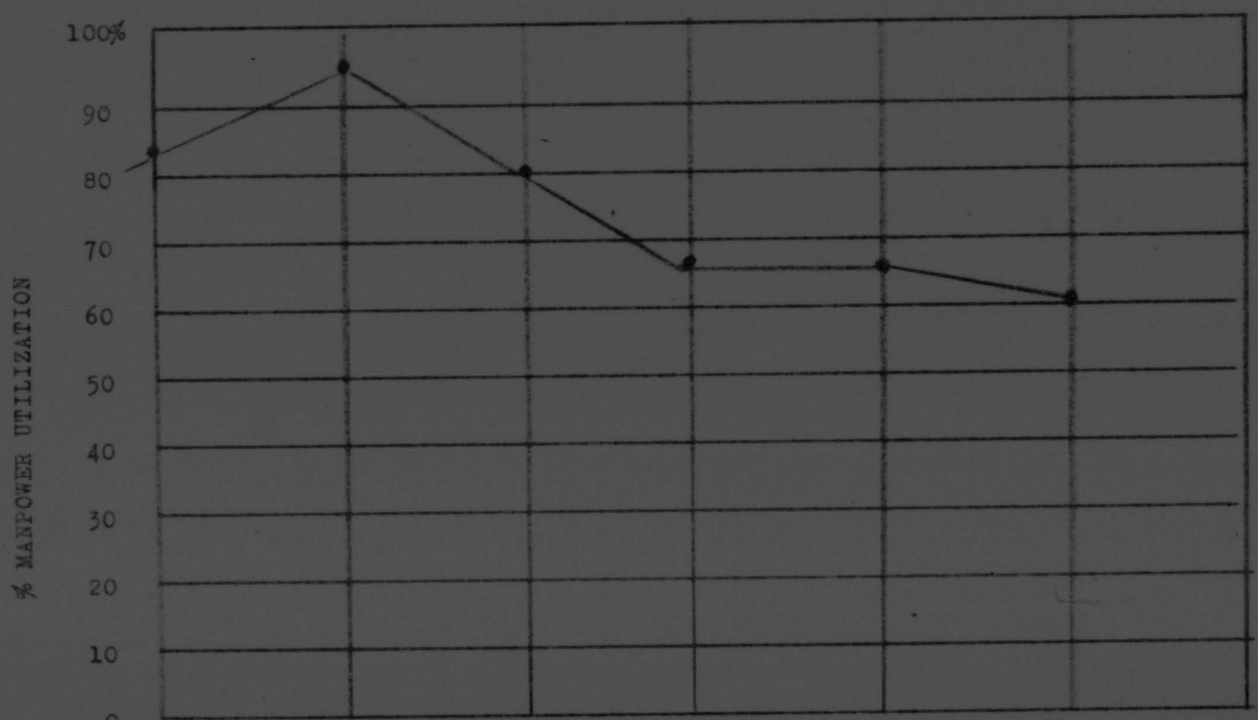
MANPOWER UTILIZATION
RADIO/NAV AIDS



AVAILABLE	5440	4670	4620	4480	4620	5368
EXPENDED	4576	4432	3684	3042	3048	3170

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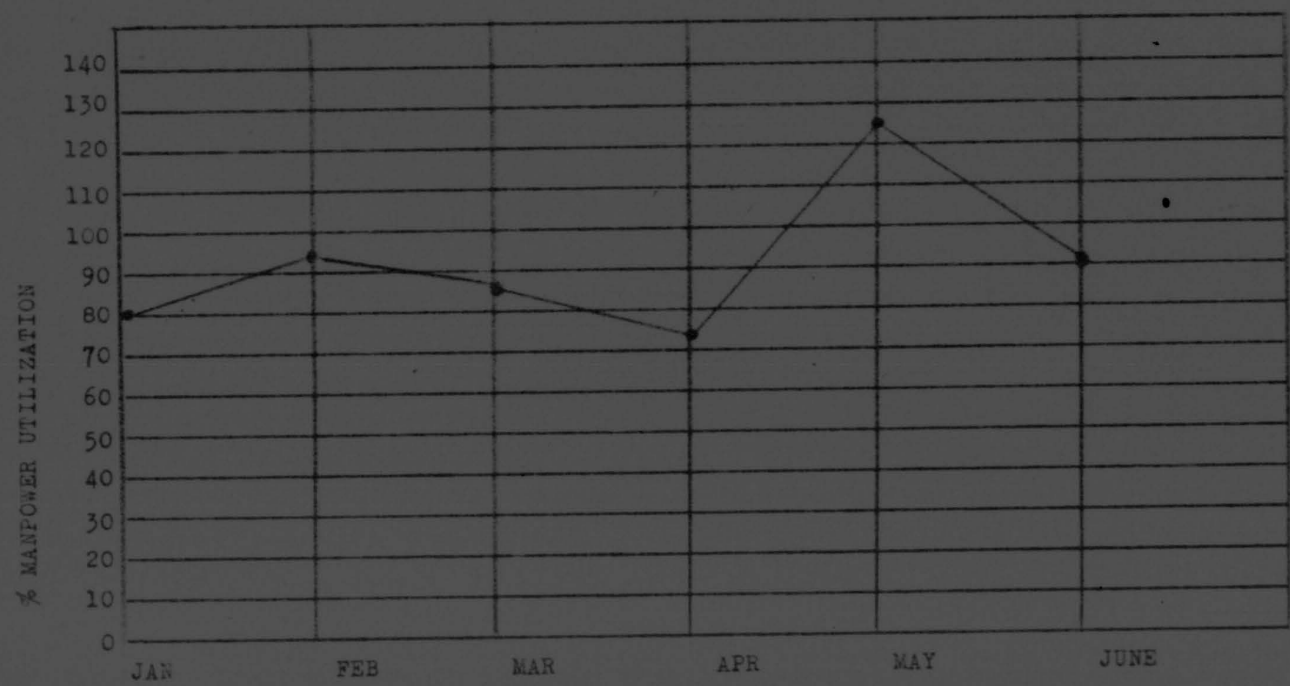
MANPOWER UTILIZATION
OUTSIDE PLANT



AVAILABLE	13760	11664	10500	10220	13720	14280
EXPENDED	10964	10996	9176	7440	16957	13024

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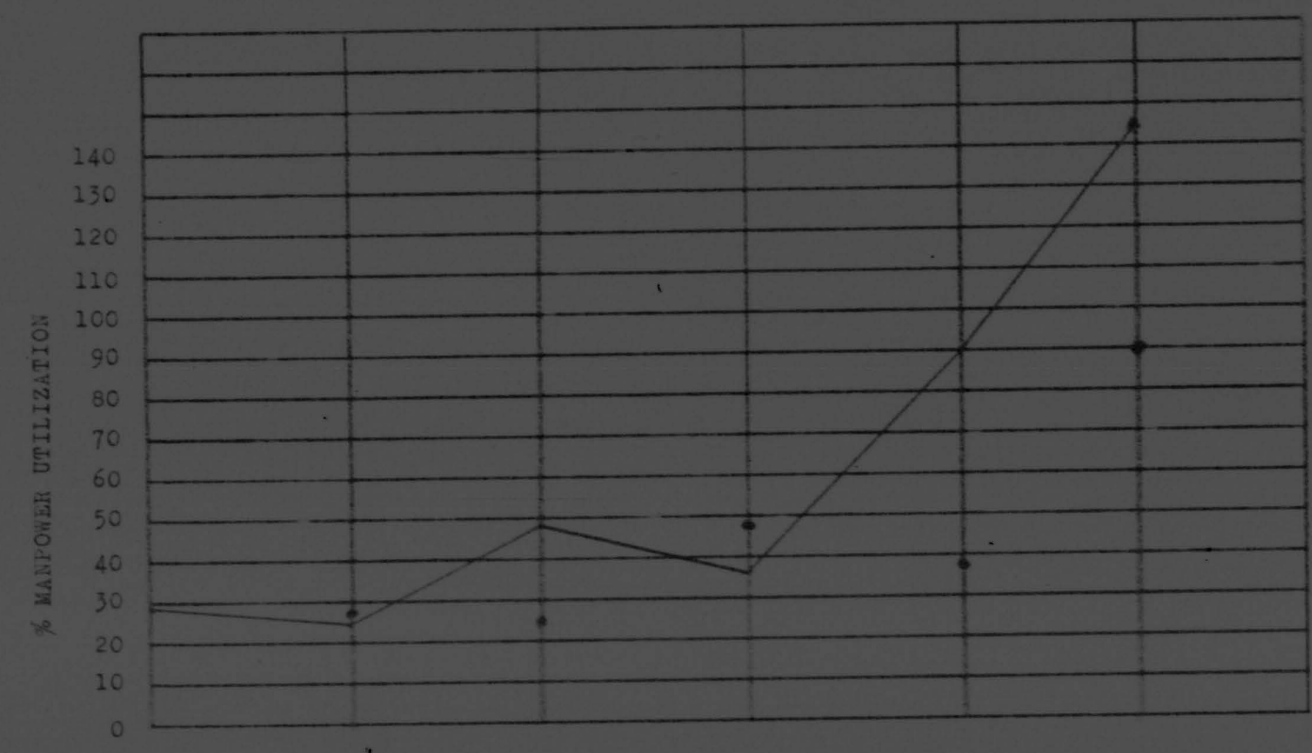

AVAILABLE	1920	1828	2406	2184	1960	1820
EXPENDED	672	432	1146	822	1772	2438

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SQUDRN	TOTAL CALLS ROUTINE INST.	SLATED ACCOMPLISHED	SUBMITTED AND INSTALLED	TOTAL FAILURES EXPENDED	COMPLETE AS OF 30 JUNE 60
RALSTEIN 02AS-L	32,000	2-200 FR 76-51 FR 14-11 FR 24-10 FR	15-100 FR 1-50 FR 12-20 FR 55-11 FR	12,200	*99%
RALSTEIN 07AS-L	47,000	15-300 FR 9-400 FR 7-300 FR 26-200 FR 32-100 FR 22-50 FR 11-20 FR	15-100 FR 6-50 FR 1-26 FR 17-20 FR 5-11 FR 9-10 FR	15,00	*99%
RALEN 815AS-L	30,000	3-100 FR 79-50 FR 6-10 FR	1-100 FR 10-50 FR 3-25 FR 3-20 FR 38-10 FR	9,500	90%
RALEN 660AS-L	30,500	12-400 FR 15-300 FR 9-200 FR 25-100 FR 30-50 FR 10-25 FR 6-10 FR	11-100 FR 9-50 FR 4-25 FR 6-10 FR	11,500	90%

* IIC's accomplished 7 June 60

Atch D-4

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ACTIVE SCHEMES

	PHASE				
	*Engineering	Supply/Support	Installation		
			Pending	Active	Totals
Radio/Nav Aids	6	60	7	1	74
Weather	-	50	4	3	57
Comm	-	10	1	-	11
Wire	1	36	12	7	46
TOTAL	7	146	22	11	186

*Old Schemes for which additional engineering was required.

Atch D-5

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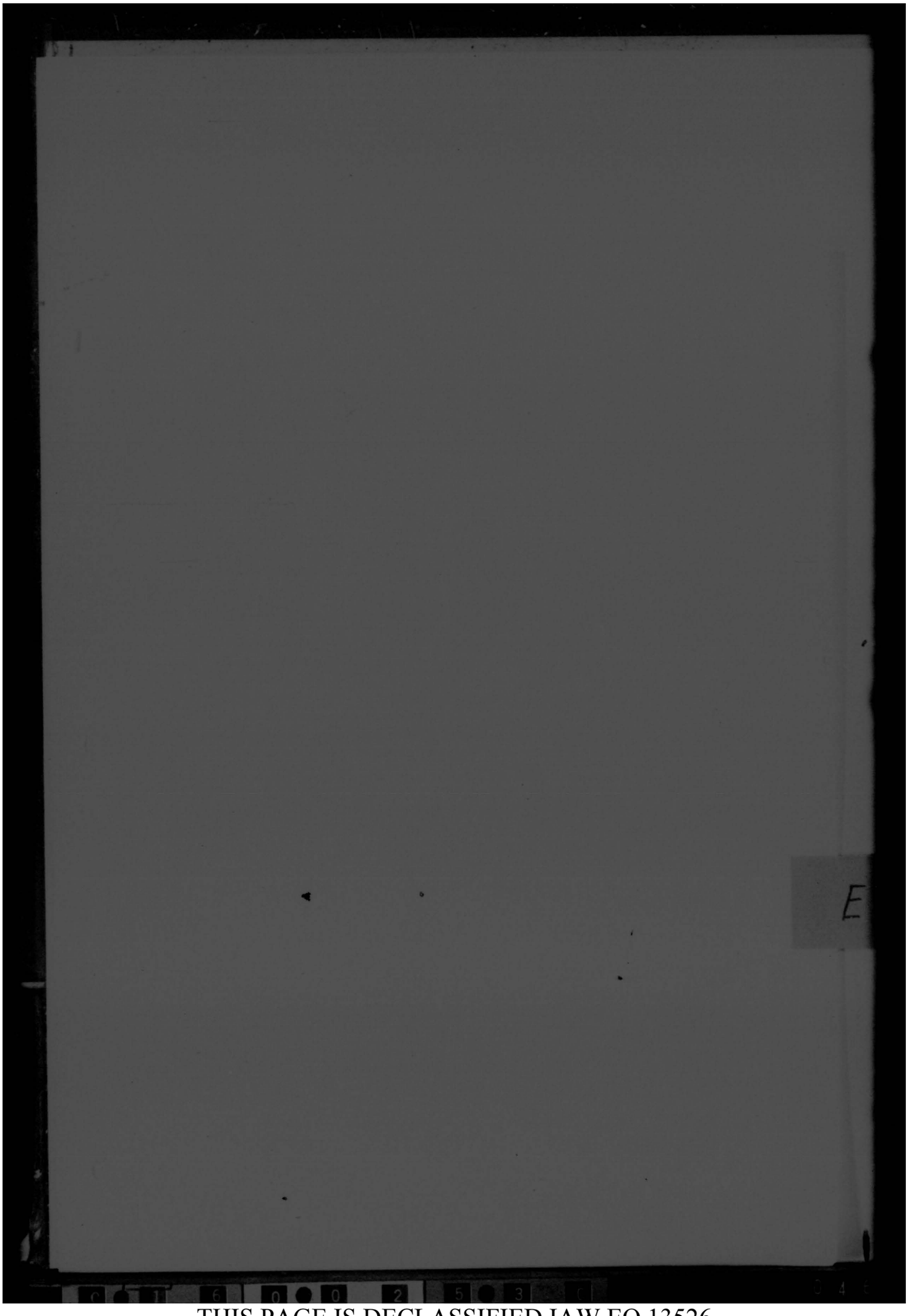

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2674TH CELIA SQUADRON
EUROPEAN CELIA REGION (AFC)
United States Air Force
APO 12, New York, N.Y.

ROSTER OF KEY PERSONNEL

RANK	NAME	AFSN	TITLE	DEROS	QTRS
Major	WHEATLEY, HOWARD G.	A01640766	Commander	Jul 62	G
Major	KRASNOW, NORMAN	A0758189	Operations Officer	Sep 61	G
1st Lt.	WEIFFENBACH, CARL G.	A03085037	Supply Officer	May 62	BOQ
2nd Lt.	BELMONTE, NICHOLAS C.	A03097758	Chief, Plans & Programs	Oct 62	E
WO-3	WILLIAMS, JAMES L.	9514392	Personnel & Admin Officer	Jun 62	BOQ
WO-2	PICKETT, ROBERT L.	9539743	Installations Officer	Jun 62	BOQ
WO-2	BELL, ALVIN C.	9537492	Special Projects Officer	Aug 60	G
MSGT	HATTINGLY, JOSEPH C. JR.	AF42254604	First Sergeant	Jun 62	E
SMSGT	FRANK, JOHN A.	AF37476112	NCOIC Quality Control	Jul 60	G
SMSGT	LORD, RUSSELL L.	AF34038503	NCOIC Radio/Nav Aids Inst	Jun 61	E
MSGT	GREEN, HENRY E.	AF35632402	NCOIC Outside Plant Inst	Mar 62	G
MSGT	HUFF, HARRY V.	AF6861990	NCOIC Inside Plant Inst	Sep 61	G
MSGT	HOLLINGSWORTH, PHILLIP E.	AF35090264	Schemes Monitor	Nov 60	G
MSGT	SAYLOR, ROBERT C.	AF36415927	NCOIC Budget & Account.	Mar 61	G
MSGT	SMITH, ROY F.	AF14073883	NCOIC Special Projects	Mar 62	G
MSGT	NAPOLI, JOHN C.	AF42254604	NCOIC Supply	Aug 60	G

Atch E-1

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KEY CIVILIAN PERSONNEL

RANK	NAME	AFSN	TITLE	DEROS	YRS
GS 12	BOCKER, EARL	DAF CIV	Chief, Inst. Eng. Serv.	NONE	2
-	DURACHER, SAMUEL	Philco Tech Rep	Technical Advisor, Radio/Nav Aids	NONE	2
-	TAFT, HOWARD	RCA Tech Rep	Technical Advisor, Radio/Nav Aids	NONE	2
-	OAKLAND, FRED	Philco Tech Rep	Technical Advisor, Outside Plant	NONE	2

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INVENTORY AT KIRKENFELD.

ATCH F-1

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DAMAGE TO SHIPMENTS RECEIVED AT BIRKENFELD
DUE TO A LACK OF GLEIA SUPERVISION AT OFF-LOADING.

ATCH F-2

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RUSTED CONDITION OF TOWER EQUIPMENT AT
SIKESTON DUE TO UNPROTECTED OUTSIDE STORAGE IN SNOW

ATCH F-3

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"MANY OF THE STEEL PARTS AT KIRKENFELD
HAD BEEN DEFORMED - - - - - "

ATCH F-4

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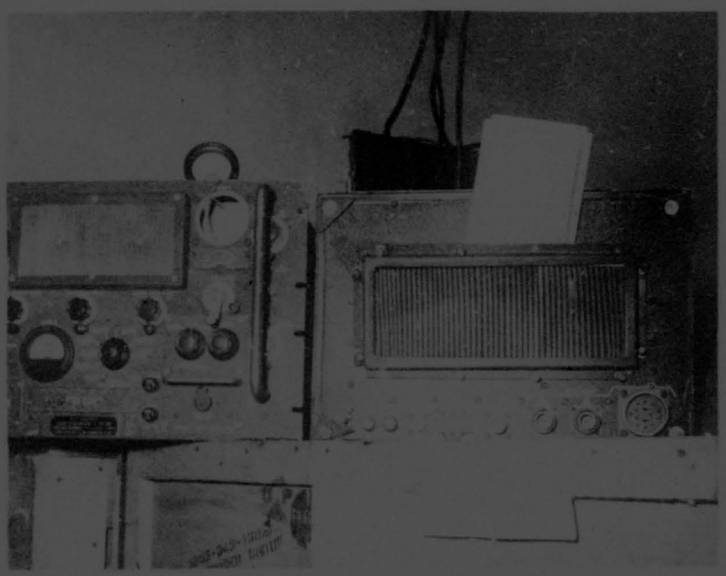

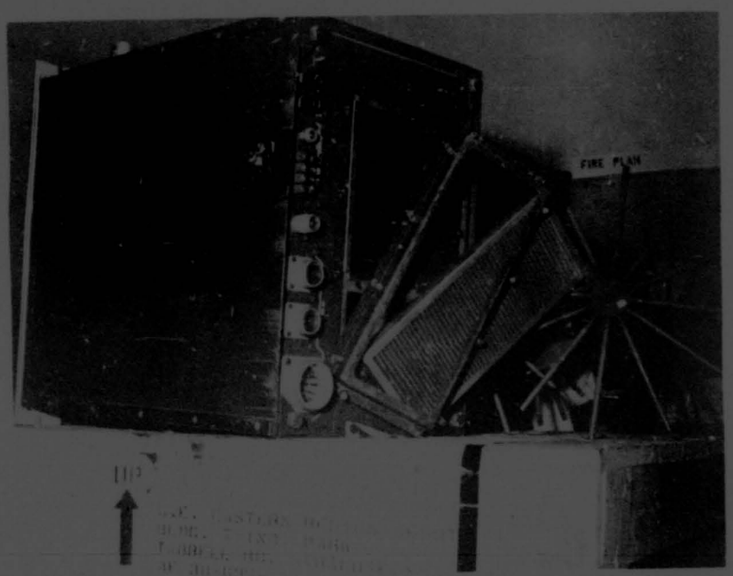

THEATER PROCURRED UHF AND UHF EQUIPMENT
WHICH REQUIRED MDA OVERHAUL BEFORE INSTALLATION.

ATCH F-5

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SNOW AND ICE HINDERED THE BIRKENFELD
INSTALLATION DURING THE MONTHS OF
FEBRUARY, MARCH AND APRIL.

ATCH F-6

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2874TH GEEIA SQUADRON
EUROPEAN GEEIA REGION (AMC)
United States Air Force
APO 12, New York, N.Y.

ZEUCOP

SUBJECT: Delinquent CE Schemes

TO: 17th Air Force (CELN), APO 12, US Forces

1. Reference is made to classified letter (S), Headquarters USAFE (CEL-E), 3 Sep 59, pertinent to Red Richard.

2. Request we be advised of your current intentions for the facilities covered by the Schemes listed in paragraph 3 below.

3. In an attempt to eliminate delinquent CE Schemes this squadron is contacting responsible agencies to determine whether or not the requirement for certain old "Pre-GEEIA" Schemes still exists. The following is a list of Schemes which have "Red Richard" implications, but for which we have no AFTO Form 88 completion documents on file.

a. 28-D2-CR61-4CC8Q-E-2217-842AS-L (old designator CE55-AFE-VIT-AACS4-2006-CA). Scheme provides one FA-1-C1F, UHF D/F package, and one FA-1-C1C UHF multichannel communication augmentation package. Paragraph 1f of referenced letter applies.

b. 19-D2-GU57-4AO2Q-E-2221-913A9-L (old designator 57-AFE-ETA-AACS4-2-CC-159). Scheme provides three FA-1-C1C UHF multichannel communication packages. Paragraph 1c(1) of referenced letter applies.

c. 10-D2-GU57-4A12Q-E-2201-700A8-L (old designator 57-AFE-ETA-AACS4-3-CA-456). Scheme provides for a Kollsman Altimeter Indicator setting and a M-3 light gun mounting not included under original control tower scheme CE53-USAFE-ETA-1642-CT. Paragraph 1c(4) of referenced letter applies.

d. 30-D2-RP31-4AO8Q-E-2217-856A8-L (old designator 57-AFE-CHA-AACS4-3-UF-456). Scheme provides one FA-1-C1 UHF communications augmentation package. Paragraph 1d(3) of referenced letter applies.

Atch G-1

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c. 49-D2-WX36-4A02Q-E-2221-SS8AS-L (old designator 57-AFE-YOZ-AACS4-2908-OC). Scheme provides one FA-3-02A, AN/MPN-11B package. Paragraph 1(e) of referenced letter applies.

f. 39-D2-WX28-4A09Q-E-2217-S91AS-L (old designator 55-AFE-YOZ-AACS4-2903-UF). Scheme provides one FA-1-01F UHF R/T package and one FA-1-01C UHF multichannel communications augmentation package. Paragraph 1(e) of referenced letter applies.

FOR THE COMMANDER:

DUNCAN KRASNOW
Captain, USAF
Administrative Officer

Copy to:
Hq Emr GENIA Reg (ANR)

Atch 6-1

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2874TH GEEIA SQUADRON
EUROPEAN GEEIA REGION (AMC)
United States Air Force
APO 12, New York, N.Y.

ZEUCOPM

SUBJECT: Periodic Review of Schemes:

TO:

1. The attached forms are C&E scheme supply status data extracts. In order to maintain an effective installation schedule, we are conducting a periodic review in this area in accordance with Section 12, Volume III, AFM 67-1.

2. Your assistance is solicited. Request the subject forms be annotated to verify the availability of the material on hand. This is a one time report to supplement data previously furnished as outlined in paragraph 4-25b, Section IV of T.O. 31-1-8, 2 January 59, now outdated. Non receipt of this form for our action will automatically delete scheme requirements relative to this unit's immediate work load.

3. A thorough review of this area and a prompt reply to this request will enable us to effect a more positive supply action on missing items. Many of these items may not be required or may be available from local assets. Often the scheme may have been completed, cancelled or no longer required. If this be the case annotate accordingly.

4. The Supply and Transportation procedures for material shipped from ROAMA has recently changed to a procedure titled CESAC. However, not all material is moved via CESAC. Material for this scheme may be stored or found in various locations since shipments may arrive via Air Mail, Air Parcel Post, insured parcels or through normal supply and transportation channels.

FOR THE COMMANDER:

Nicholas C. Belmonte

NICHOLAS C. BELMONTE
2nd Lt, USAF
Chief, Plans & Programs

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SCHEME SUPPLY STATUS

SCHEME IDENTIFIER			CESD
NUMBER		FACILITY	
ECO or EBOM DATE	ENG BOM DATE	PROPERTY LOCATION	BUILDING
INVENTORIED BY		PHONE	AS OF DATE

Line Item	Supply Status	Remarks	Line Item	Supply Status	Remarks
1			1		
2			2		
3			3		
4			4		
5			5		
6			6		
7			7		
8			8		
9			9		
0			0		
1			1		
2			2		
3			3		
4			4		
5			5		
6			6		
7			7		
8			8		
9			9		
0			0		

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SEMIANNUAL HISTORICAL REPORT

REPORTS CONTROL SYMBOL
RCS: AU-D5

1. NAME OF UNIT	2. LOCATION	3.
2873d GEEIA Squadron	APO 196, US Forces	FROM 1 Jan 60 THROUGH 30 Jun 60

4. NAME AND LOCATION OF NEXT HIGHER HEADQUARTERS

Headquarters
European GEEIA Region
APO 332, US Forces

5. PERSONNEL STRENGTH (Last day of reporting period)

	OFFICERS	AIRMEN	CIVILIAN	TOTAL
AUTHORIZED	5	103	5	113
ASSIGNED	5	70	8 *	83
ATTACHED	* This figure includes Contractor Technical Representatives			

6. STATEMENT OF MISSION INCLUDING CHANGES (Continue on separate sheet)

The mission of this squadron is to install, modernize, relocate and remove all approved Communication and Electronic Schemes scheduled as an operational requiremen throughout the United Kingdom, in accordance with Technical Order 31-1-8.

7. ORGANIZATIONAL CHANGES INCLUDING REASONS FOR CHANGE (Continue on separate sheet)

The new approved Unit Manning Document for this squadron was received on 1 Jun 60. Many of the changes previously requested were incorporated in this new document. CWO W-2 Bruce N. Joseph and CWO W-2 Norman E. Kuehner assumed duties as Installation Officers during the period covered by this report. In addition MSgt Lamar Shiver assumed the duties of the First Sergeant on 6 Jun 60.

Pt 5

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8. ADMINISTRATIVE PROGRESS AND PROBLEMS (Continue on separate sheet)

ADMINISTRATIVE SECTION: During the period covered by this report action was taken to more closely align administrative responsibilities within the action agency. In this regard an Administrative Section within the Installations Section was formed and two airmen assigned to it. This action resulted in an increase in our administrative efficiency within the installations section. All TDY special orders are now requested, cut on stencils, run off and distributed right within the Installations Section thereby saving time and increasing their overall efficiency.
INSTALLATIONS SECTION: No administrative problems were experienced during the period of this report.
SUPPLY SECTION: Since 1 January thru 30 Jun 60 the Squadron has received 7 new vehicles. 3 each ½ ton pick-ups and 4 each 1½ ton truck stakes. Also a new authorization was granted for 7 each 3/4 ton cargo 6 passenger type in lieu of original authorization of 7 each station wagons. An AMC travelling equipment review survey team visited this organization. A review of current UAL and 1120 cards was made with discussion of the UAL system, also a rating of good was given for the UAL and 1120 cards. One major item was deleted and this item was an ozalid machine. This has been turned in to Base Supply. One problem area was noted on calibration of test equipment, the calibration team can only calibrate certain types of equipment. The other types must be returned for higher calibration. There is no facility located in the area so this equipment has to be turned into Base Supply and re-requisitioned. Another problem area is reporting procedure of vehicles. The Motor Pool at this base is classified as a gas station operating type. Our vehicles are on constant TDY, therefore, information for reports are hard to obtain. When reports are due, most information submitted is based on an estimation on information available. The BVRO at Denham does not have control over this organization's vehicles, therefore, all reports are submitted by this organization with assistance of the facilities available at this station. On 21 Jun 60 an inspection was performed by the Inspector General Section from Headquarters GEEIA, Griffiss AFB, Rome, New York.

9. MISSION PROGRESS AND PROBLEMS

ADMINISTRATIVE SECTION: During the period covered by this report all airmen records were reviewed in detail and over ninety percent of the AF Forms 7 were reaccomplished. All administrative and personnel files were reviewed and files screened to remove obsolete material. The receipt of a consolidated reports control schedule for GEEIA reports has facilitated reporting procedures. A problem still exists in the area of performance reports in as much as many supervisory personnel find it difficult to put into words their actual observations of their personnel. Every effort is being made to increase the quality of our performance reports by reviewing each report prior to actual finalization.
INSTALLATIONS SECTION: During the period of this report the installations section completed 23 schemes and AFTO Forms 88 were signed and forwarded. 5 schemes were removed and are pending signatures on modified AFTO Form 88 to complete removal schemes. At present the installation section is installing 15 schemes, and monitoring 35 active schemes, that are being held up by base support. The major problems that the installation section had during period of this report, was inadequate engineering of schemes, base support not completed at time of arrival of team. This problem has hampered the team and delays the installation completion date on scheme

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9. CONTINUED (Continue on separate sheet)

being installed. At present the installation section has authority to survey and engineer all old schemes engineered prior to GEEIA's existence. This has been in effect since May and installation time on schemes has considerably decreased. The average monthly manhours expended on installation of C & E Schemes was 70% of total available.

10. ADDITIONAL REQUIREMENTS (Continue on separate sheet)

11. LIST OF SUPPORTING DOCUMENTS (Continue on separate sheet)

A. GENERAL ORDERS
B. ORGANIZATION CHARTS
C. MISSION DIRECTIVES
D. VITAL STATISTICS
. ROSTER OF KEY PERSONNEL (Include position and date assigned)

PREPARED BY	APPROVED BY
MSGT LAMAR SHIVER, FIRST SERGEANT	Norman L. Kuehner, CWO for CWO W-2 BRUCE N. JOSEPH, USAF

AF-WP-O-SEP 58 8,200

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SEMIANNUAL HISTORICAL REPORT

REPORTS CONTROL SYMBOL: AU-D5

1. NAME OF UNIT: 2872nd GEEIA Squadron (AMC) APO 283, New York, N.Y.

2. LOCATION: Torrejon Air Base, Spain

3. FROM 1 Jan 60 THROUGH 30June60

4. NAME AND LOCATION OF NEXT HIGHER HEADQUARTERS: Headquarters European GEEIA Region, Wiesbaden Air Base, Germany

5. PERSONNEL STRENGTH (Last day of reporting period)

	OFFICERS	AIRMEN	CIVILIAN	TOTAL
AUTHORIZED	7	94	11	112
ASSIGNED	4	94	9	107
ATTACHED	0	10	0	10

6. STATEMENT OF MISSION INCLUDING CHANGES (Continue on separate sheet)

In accordance with the policies and procedures established by Chief of Staff, USAF, ad as directed by the Commander, European GEEIA Region and other competent authority, the Squadron is responsibile for engineering and installing ground communications electronics equipment within its' assigned geographical area of responsibility. The Squadron will perform such other functions as directed by the Commander, European GEEIA Region. The area of responsibility of this squadron is Spain, Morocco, Portugal, and the Azores and Balearic Islands.

7. ORGANIZATIONAL CHANGES INCLUDING REASONS FOR CHANGE (Continue on separate sheet)

On 10 February 1960, Detachment #2, 13th Communications Construction Squadron (USAFE), APO 30, New York, N.Y., was redesignated as (O/L) 2872nd GEEIA Squadron, APO 30, New York, N.Y., per paragraph 2 SO A-58, dated 10 February 1960, Hq 2nd Communications Group (USAFE), APO 12, New York, N.Y. (See Attachment #1)

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8. ADMINISTRATIVE PROGRESS AND PROBLEMS (Continue on separate sheet)

MSgt Michael Dario, 1st Sergeant rotated to the ZI on 11 March 1960, and MSgt John . Stover assumed the duties of 1st Sergeant. Captain Paul E. Mulrenin, Commander, rotated to the ZI on 5 May 60, and Captain William A. Cox, Chief of the Southern Field Office assumed command pending assignment of a new Commander. On 1 June 1960 Captain Cox was promoted to the grade of Major. No Personnel or Supply Officers are authorized on the current UMD. A UMD change request was submitted requesting authorization for these positions. Foreign Service Tour Extensions: Officers One (1) Airmen eight (8). Enlistment extensions thirteen (13). New P-1 certifications one (1). Upgrading of Airmen AFSCs four (4). Promotions ten (10). Demotions one (1). Awards: Commendation Medal (See Atch #2). An annual General Inspection was made by the GEEIA IG Team from 29 Jun 60 thru 2 Jul 60. (See Atch #3). The Headquarters AMC IG inspector Major Orville K. Reilley, inspected this organization from 24 June 1960 to 30 June 1960.

The Commander and his staff consists of:

NAME	RANK	TITLE
William A. Cox	Major	Commander
John E. Stover	MSgt	First Sergeant
Charles A. Augustine	Captain	Plans & Programs Officer
Harold A. Haddock	1st Lt	Engineering & Administrative Off
Howard P. Van Tassell Jr	CWO W-2	Installations Officer
Edward A. Beck	GS-12	Resident Engineer
Oscar C. Weaver	MSgt	NCOIC Scheme Monitoring
Wesley S. Marshall	TSgt	NCOIC Supply
Robert E. Craig	TSgt	NCOIC Personnel

9. MISSION PROGRESS AND PROBLEMS PERSONNEL SECTION: During November 1959, representatives from this section, Plans & Programs, and Unit Supply, visited Nouasseur AB, Morocco in order to review the future requirements for GEEIA personnel in that area and prepared a recommendation on the number of personnel and supplies that should be retained there upon deactivation of Detachment #2, 13th Communications Construction Squadron. In view of the reduction in USAF bases, sites, and personnel in Morocco it was determined that it would not be economical to maintain an Operating Location at Nouasseur. It was recommended that all personnel possessing needed skills be reassigned to this squadron at Torrejon AB, Spain if they had sufficient retainability. The remainder were to be curtailed and reassigned to the ZI. This recommendation was approved and the following action taken: a. Curtailment of O/S tour requested for one CWO W-2, AFSC 3034. b. Curtailment of O/S tour requested for one SSgt, AFSC 64650. c. One MSgt, AFSC 36170, one SSgt, AFSC 73250, two A1C, AFSC 36150, and one A2C, AFSC 50 reassigned to this squadron. d. One TSgt, AFSC 36171, and two SSgts AFSC 36131 reassigned to ZI on normal rotation dates. Minor delay was experienced obtaining disposition instructions for unneeded tools and equipment. Some administrative difficulties were encountered immediately after organization of the operating location

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9. CONTINUED (Continue on separate sheet) PERSONNEL SECTION Con't

ue to nonavailability of GEEIA publications, regulations, supplements, forms, etc. Negotiations with Nouasseur base personnel were somewhat hampered by the fact that no General Order activating, assigning or organizing the Operating Location was ever received. All objectives were reached within the alloted time and the Operating Location became relatively inactive during May when most of the men had been reassigned to Torrejon AB, Spain. Of the remaining three (3) personnel on duty at Nouasseur AB, Morocco, one was to depart during June 1960, and it has been requested that the overseas tours of the remaining two (2) be curtailed.

INSTALLATIONS SECTION: During the period of this report the Installation Section finished the largest project in the Squadron's history, the Spanish AC&W Program. This project was officially completed 10 May 1960. (See Atch #4). During the height of the installation, it was necessary to augment the Outside Plant Teams with 32 men from the 2861st GEEIA Squadron, for the purpose of assisting in the Rigid Radome erection. On the 4th of February a world record was believed to have been established when a CW-396A Rigid Radome was erected in eight (8) hours and thirty-nine (39) minutes at Benidorm, Spain. A Team Chief's Check List was devised, outlining the main actions of Policy Letter #12, and issued to each Team Chief of the installation section. This check list is a pocket size, loose leaf affair that gives the Team Chief main points of instruction. This includes such items as preparation for TDY, arrival at TDY destination and instructions in case of various types of emergencies.

The Installations Section has completed 69 schemes and 4 jobs in this period of time. One of these jobs was deemed an emergency, and an Outside Plant Team was dispatched within two (2) hours after receiving the call.

The SAC Wing Control Circuits have been completed at all bases as of 17 June 1960, ith the exception of Lajes AB, Azores. Difficulty has been encountered in siting the equipment. Two (2) ILS installations have been completed after a long and tedious ordeal, and have been signed off. These are the ILS installations at Torrejon AB, Spain, and Nouasseur AB, Morocco. The Torrejon ILS was beset with what was thought to be terrain trouble. This terrain effect was minimized to the point where the ILS was successfully flight checked. However, the Nouasseur ILS installation was plagued with supply shortages, cables were cut, other cables were stolen and equipment was

10. ADDITIONAL REQUIREMENTS (Continue on separate sheet)

None.

11. LIST OF SUPPORTING DOCUMENTS (Continue on separate sheet)

ATTACHMENTS:
#1. 2nd Comm Gp SO A-58
#2. Hq ROAMA SO 21
#3. Rpt of Gen Insp
#4. Spanish AC&W Program (Final Rpt)
#5. 2872nd, ROAMA/GEEIA Conference

PREPARED BY	APPROVED BY
MSGT JOHN E. STOVER	HAROLD A. HADDOCK, 1ST LT, USAF HIST OFF

AF-WP-O-SEP 58 8,200

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SECTION 9. MISSION PROGRESS AND PROBLEMS (INSTALLATION SECTION) CON'T

damaged by persons unknown. After a long wait, all missing parts were assembled and a team finished the installation, receiving an excellent rating on the installation.

SCHEME MONITORING (PLANS & PROGRAMS SECTION)

During the month of February 1960 a world wide inventory of all CE Scheme material (Project Count) was effected. The area of responsibility for this squadron during Project Count consisted of Spain, Morocco, and the Balearic and Azores Islands. The inventory involved 169 CE schemes, for a total of 4,686 line items at eighteen (18) bases and sites. In order to accomplish this task, which came as an unprogrammed workload, it was necessary to halt all installation activities and divert the installation teams to the various bases and sites to accomplish the inventory. Upon completion of the physical wall to wall inventory the installation teams were redeployed to the installation sites.

In June European GEEIA Region directed the transfer of all STRATCOM (3000 Series) CE schemes to that headquarters where centralized scheme monitoring for these facilities would be performed. At the same time, they requested the 2871st GEEIA Squadron to forward to this organization all CE schemes in their area of responsibility which they did not expect to complete by 1 October 1960. This action is in line with the proposed deactivation of the 2871st GEEIA Squadron. This organization is assuming the workload in their present area of responsibility.

As of 30 June 1960 we were actively engaged in performing scheme monitoring on 188 CE schemes as compared to 190 CE schemes at the end of the previous reporting period.

During the reporting period 56 CE schemes were completed and retired.

In the preparation of the FY61 Financial Plan and FY62 Budget, 75 CE schemes were programmed for installation in FY62. This did not include the 2871st GEEIA Squadron workload as these schemes were budgeted by that organization, and it is assumed the funds will be transferred to this organization concurrently with the workload.

During the reporting period one airman was placed on TDY to Soller AC&W site, Mallorca, for approximately four (4) months as RPO (Responsibility Property Officer) to account for CE Scheme material. MSgt Massal was transferred PCS from the Scheme Monitoring Section to Hq European GEEIA Region.

One other "scheme" was completed when the NCOIC of the Scheme Monitoring section, MSgt Oscar C. Weaver, was married on 4 June 1960 as "planned and programmed".

Status of assigned personnel as of 30 June 1960 is as follows for the Plans & Programs Section:

Captain Charles A. Augustine ----------Plans & Programs Officer
GS-12 Edward A. Beck ----------Special Assistant, AC&W
MSgt Oscar C. Weaver ----------NCOIC Scheme Monitoring
TSgt Nicholas Levchik ----------NCOIC Budget & Fiscal
A2C William J. O'Brien ----------RPO Representative
A2C Rogelio A. Salazar ----------RPO Representative

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SECTION 9. MISSION PROGRESS AND PROBLEMS (BUDGET & FISCAL) PLANS & PROGRAMS SECTION

This section has encountered no difficulties in funding and has had the usual additional fund requirement for unprogrammed work, which was eliminated by fall-out from other programmed schemes. Additional TDY funds were requested because of Project Count. Estimated additional funds utilized were $2,950.00 for actual physical count, and $3,665.00 to redeploy the teams called in to perform Project Count.

Personnel of this section were sent TDY to Region Headquarters at Wiesbaden AB, Germany to formulate the FY61 Financial Plan, and FY62 Budget Estimate. A more accurate plan was formed, because information available at our Region Headquarters in some cases, was more current than at the squadron level.

Difficulties were encountered in obligating our P438 funds. $4,151.15 out of $10,000.00 was obligated and the balance is to be withdrawn. We have no Petty Cash Officer authorized and in emergency situations where minor items are needed, our only resource is Hq European GEEIA Region or use of the Cash Purchasing Officer at the base or site. The purpose of these funds was for emergency local purchase and other uses as authorized by ROAMA.

One violation of AFR 177-16 was written by ROAMA, Griffiss AFB, N.Y., to the Host Comptroller. It is our belief this was not justified, and a violation should not have been written. During October 1959, DD Form 1150's were issued to Host Comptroller for fund citation. The requisitions were for an emergency situation. Airmen of this squadron were TDY at various AC&W sites, and had encountered severe cold, snow and rain. Winter type clothing was deemed necessary. No procedure had been set by ROAMA for this type of situation; therefore, the host comptroller forwarded by letter a written statement of facts with the DD Forms 1150 attached for ROAMA to cite funds directly. ROAMA in turn issued an obligation authority and returned the DD Form 1150s. The violation was cited on basis of the requisitions being dated in October and items received one day prior to the date of the obligation authority which was dated 13 November 1959. It is our belief that an oversight was made in the O/A by omitting a more realistic date to cover the requests for issue. There was no intent of any personnel involved of committing a violation of AFR 177-16.

MAJOR ACCOMPLISHMENTS OF THIS SECTION WERE: 1. Annual Financial Plan FY61 was prepared during month of February 1960. 2. The Budget Estimate for FY62 was prepared during month of March 1960. 3. Purchase orders in the amount of $3,441.82 were issued to local concerns as follows: a. $3,188.05 for manufacture of panels in support of CE schemes. Source: Feymor Radio, Luchana 1, Madrid, and Phillips Iberia, S.A.E. Paseo de las Delicias 65, Madrid. b. $126.31 for manufacture of radome tie down bolts. Source: Fabrimetal S.A., Amado Nervo 3, Madrid. c. $127.45 for reproduction services. Source: Royal Blueprint Company, Grupo 5 - Planta 4, Edificio Espana, Madrid.

Funds obligated by this organization in FY 1960 as compared to FY 1959 reflect as follows:

CLASS	FY59	FY60
0100 Personal Services	$3,808.00	$25,775.00
0200 Travel	24,366.00	85,316.00
0390 Transportation	-0-	2,734.00
0790 Contractual Services	9,192.00	59,915.00
TOTAL	$37,366.00	$173,740.00

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SECTION 9. MISSION PROGRESS & PROBLEMS CON'T

TRANSPORTATION

This squadron is currently authorized twenty-three (23) vehicles. Breakdown as follows: 2 Trucks, Maintenance 2½ Ton V-17; 2 Trucks, Maintenance ½-3/4 Ton; 2 Trucks, Maintenance 2½ Ton; 4 Trucks, Cargo 3/4 Ton; 6 Trucks, Cargo 2½ Ton 6x6; 5 Trucks, Van M-109; 2 Trucks, Cargo ½ Ton. Fourteen (14) vehicles are currently on hand. One UAL change request was submitted to delete four (4) station wagons, and add four (4) six passenger cargo trucks. Four (4) six passenger cargo trucks, and four (4) trucks, Van 2½ Ton M-109 were requisitioned during this period. Two (2) 1959 Ford pickups were received during March. Two (2) Chevrolet pickups (Reg# 50B2718 and 51B8201) were turned in to base supply for disposal action. A vehicle requisitioning procedure report was submitted on 27 May 60 reflecting proposed changes and replacements. Squadron vehicles were driven a total of 21, 104 miles during this reporting period.

SUPPLY

During this reporting period the squadron received their 2nd UAL, dated 16 December 1959. At the present time the UAL consists of 176 line items. There are 96 items on hand. The monetary dollar value of the squadron UAL is $277,490.89 with a total of $169,067.64 of UAL property on hand. This is an increase of $37,301.20 since 1 January 1960.

The new UMD received in March 1960 increased the number of personnel authorized for the Supply Section to the following: 3 five level; 1 three level, and 2 five level clerks. The present strength of the Supply Section is as follows: 1 seven level, 3 five level, 1 three level, and 1 five level clerk.

There were 160 issue slips which were submitted to Base Supply during this period. Action has been completed on 74 of the issue slips. Fifty-six (56) turn-ins were submitted. Fifty-four (54) of these have been completed. These turn-ins included $17,725.40 worth of excess and unauthorized equipment.

Seventy-five percent (75%) of the authorized ECL tools were received and issued. Eighty percent (80%) of the barracks furniture and administrative equipment was received and issued.

Colonel John W. Hope, Commander, European CEMIA Region, made an informal inspection of the supply facilities on 21 May 1960. No discrepancies were noted.

GENERAL

Major General C.B. Root and Staff from ROAMA, Colonel C. B. Lindstrand, and Staff from Headquarters CEMIA, visited the squadron, and a briefing was held on 21 May 1960. Subjects discussed were, Organization, General Installation Techniques, Budget & Projected Workload, RPO functions, Personnel Selection Field Office Activities, and Spanish AC&W Program. A copy of the briefing given to Major General Root, Colonel Lindstrand, and their staffs is attached. (See Atch #5).

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HEADQUARTERS
2D COMMUNICATIONS GROUP (USAFE)
United States Air Force
APO 12, New York, New York

SPECIAL ORDERS)
NUMBER A-58)

10 February 1960

1. The following named airmen (Control AFSC indicated). ASSIGNMENT: Are relieved assignment with Detachment 1, 13th Communications Construction Squadron (USAFE), APO 223, New York, NY; Assigned to Headquarters European GEEIA Region (AMC), APO 332. New York, NY, with permanent duty station (O/L) Chief, Air Force Section JUSMAG, APO 223, New York, New York.
REPORTING DATA: Report to Comdr, O/L, Chief AF Section JUSMAG, APO 223, NY, NY not later than 18 February 1960. EDCSA: 20 February 1960.
GENERAL INSTRUCTIONS: Authority: AFM 35-11 & Message HEDUSAFE PPA-1A1 113453, 9 Feb 60. USAFE Control Number 60-A-921. New Mailing Address is: Grade, Full Name, AFSN,(O/L) Chief AF Section JUSMAG, APO 223, New York, New York.
TRANSPORTATION: PCA. No travel or funds involved.

A/1C FRANK B HAGEN AF13530858 CAFSC - 36131
A/1C GARY L PITT AF19554322 CAFSC - 36131
A/2C WILLIAM J BELL JR AF13574720 CAFSC - 73250

2. The following named airmen (Control AFSC's indicated). ASSIGNMENT: Are relieved assignment with Detachment 2, 13th Communications Construction Squadron (USAFE), APO 30, New York, New York; Assigned to 2872d GEEIA Squadron (AMC), APO 283, New York, New York, with permanent duty station (O/L) 2872d GEEIA Squadron, APO 30, New York, New York.
REPORTING DATA: Report to Comdr, O/L, 2872d GEEIA Sq not later than 18 Feb 60. EDCSA: 20 February 1960.
GENERAL INSTRUCTIONS: Authority: AFM 35-11 & HEDUSAFE Message PPA-1A1 113453, 9 Feb 60. USAFE Control Number 60-A-921. New Mailing Address is: Grade, Full Name, AFSN, O/L 2872d GEEIA Squadron, APO 30, New York, New York.
TRANSPORTATION: PCA. No travel or funds involved.

MSGT EDDIE W CLAXTON AF17014332 CAFSC - 36170
TSGT MARSHALL J STRAWSER AF26257235 CAFSC - 36171
SSGT FREDDIE F DOMBEK AF25431159 CAFSC - 73250
SSGT NEAL W LEE AF17305229 CAFSC - 36131
SSGT DUILIO D SECONDINI AF13256748 CAFSC - 36131
A/1C ROBERT L WAKEFIELD AF55035904 CAFSC - 36150
A/1C HUGH D YOUNG AF37529566 CAFSC - 36150
A/2C MIKE S JARUZEK AF17430994 CAFSC - 36150

ATCH #1

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SO A-58, 10 Feb 60, Hq 2d Comm Gp, APO 12, NY, NY (Cont'd)

3. So much of Paragraph 2 Special Orders A-52, 4 Feb 60, this Hq, pertaining to reassignment of MSGT HAL PIERSON AF39294938, 13th COMM CONST SQ (USAFE), this station to 29th Air Div (ADC), Malmstrom AFB, Montana, with edcsa: 14 Apr 60, as reads "(Control AFSC - 56731A)" is amended to read "(Control AFSC - 42173)".

4. Special Orders A-38, this Hq, 26 Jan 60, pertaining to reassignment of MSGT MARCELINO GALLEGOS JR AF38076631, 20th Comm Sq, AF (USAFE), this station to 29th Air Div (ADC), Malmstrom AFB, Montana, is amended to include reporting date to Rhein Main AB, Germany as "6 March 1960", EDCSA as "5 April 1960" and amd's as "FRF-WRI-3PC-2146-AF3 (Sponsor) & FRF-WRI-3DA-2147-AF3 (Dependents)".

5. TSGT (P-1) RALPH C HUMPHREY AF16388222 (Control AFSC 30470). ASSIGNMENT: Is relieved assignment with Operating Location 12-1, 12th Radio Relay Squadron (USAFE), this station; Assigned to this Headquarters (USAFE), this station. REPORTING DATA: Report to Comdr, this Hq not later than 27 February 1960. EDCSA: 1 March 1960. GENERAL INSTRUCTIONS: Authority: AFM 35-11. New Mailing Address is: TSgt (P-1) Ralph C Humphrey AF16388222, Hq 2d Communications Group, APO 12, New York, New York. TRANSPORTATION: PCA. No travel or funds involved.

6. Paragraph 1 Special Orders A-17, this Hq, 13 Jan 60, pertaining to reassignment of A/B DONALD J DARLING AD15559976, 12th RAD REL SQ (USAFE), APO 320, NY, NY to 6550th AB Gp (ARDC), Patrick AFB, Fla, is amended to include reporting date to Rhein Main AB, Germany as "25 February 1960", EDCSA as "1 April 1960" and amd as "FRF-WRI-3PC-2204-AF2".

7. Verbal Order of the Comdr, 2d Comm Gp, 3 Feb 60, directing that Para 1 SO A-16, this Hq, 13 Jan 60, pertaining to TDY of MR WOLFGANG F SCHNEIDER, German PP#BO038486, this Hq & station, be extended for a period of ten (10)days, effective 3 February 1960, is confirmed. Exigencies of the service having been such as to preclude the issuance of competent written orders in advance. TDN. 5703400 080-7030 P458 5678900 021259 OA-1-262-60 E4190404.

FOR THE COMMANDER:

CLIFFORD D LOVELACE
Captain, USAF
Administrative Officer

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1 - Reading File
1 - Group Inspector
1 - M/R Clerk
10 - Group Budget Office
5 - Group Personnel
15 - Admin Files

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Para 3 SO A-63, 16 Feb 60, Hq 2d Comm Gp, APO 12, NY, NY (Cont'd)

REPORTING DATA: Thirty (30) DLALV. Leave Address: 223 Lockwood Ave., Elberon, New Jersey. Sponsor & Dependents will report to the Passenger Hotel, Rhein Main AB, Germany not earlier than 0700 & not later than 1400 hours, (Date pending). Report to Comdr, 2860th GEEIA Sq not later than thirty-four (34) days after the date annotated on the personnel orders by the ZI port of entry unit. EDCSA: (Pending). GENERAL INSTRUCTIONS: Authority: AFM 35-11 & HEDUSAF Ltr AFPMP-2F, Subj: Assignments for World-Wide APRIL 1960 Returnees, 29 Jan 60. New Mailing Address is: TSgt (P-1) Joseph Cleary AF12516516, 2860th GEEIA Squadron, Robins AFB, Georgia. AFM 35-6 & Part 10, AFM 75-1, will be complied with.
TRANSPORTATION: PCS. TDN. 5703500 048-132 P531.9 S503725 0231 0232 0390 CIC 45 048 5332 503725. Travel by military acft, government automobile and/or commercial transportation authorized. TPA with four (4) days travel time authorized. If POV is not used, travel time will be the time of the common carrier used. Requests for customs inspection, crating and shipment of household equipment and hold baggage will be made to the Rail Transportation Office in accordance with AFR 75-33. Shipment of POV authorized in accordance with AFM 75-1. Dislocation Allowance other authorized. Transportation of: Patricia J Cleary (Wife) , Christopher J Curl (Step Son) DOB: 22 May 52, Citizens of England with PP#211344, Joseph S Cleary (Son) DOB: 26 Jul 54 & Jennifer F Cleary (Dau), DOB: 20 Dec 56, U.S. Citizens with PP#289547, is authorized concurrently with sponsor. First available air transportation authorized under amd's: (Pending).

4. CWO (W-2) GEORGE R JOHNSON 952762E (Shipping AFSC - 3031) & SSGT GLENN V KARMANN AF37474384 (Control AFSC - 64650).
ASSIGNMENT: Are relieved assignment with Detachment 2, 13th Communications Construction Squadron (USAFE), APO 30, NY, NY; assigned to 2872d GEEIA Squadron (AMC), APO 263, NY, NY with permanent duty station (O/L), 2872d GEEIA Squadron (AMC), APO 30, NY, NY.
REPORTING DATA: Report to Comdr, O/L , 2872d GEEIA Sq not later than 13 Mar 60. EDCSA: 15 March 1960.
GENERAL INSTRUCTIONS: Authority: AFM 35-11 & HEDUSAFE Msgs PPA-1A1 113453, 9 Feb 60 & PPA-1A1 113519, 12 Feb 60. USAFE Control Number 60-A-921. New Mailing address is: Grade, Full Name, AFSN, O/L, 2872d GEEIA Sq, APO 30, NY, NY.
TRANSPORTATION: PCA. No travel or funds involved.

FOR THE COMMANDER:

CLIFFORD D LOVELACE
Captain, USAF
Administrative Officer

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1 - Group Inspector
5 - Group Dud Off & Gp Pers
15 - Admin Files

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HEADQUARTERS
2D COMMUNICATIONS GROUP (USAFE)
United States Air Force
APO 12, New York, New York

16 February 1960

SPECIAL ORDERS)
NUMBER A-63)

1. So much of Para 2 SO A-61, this Hq, 15 Feb 60, pertaining to reassignment of A/2C WILLIE M HAMILTON AF13570198, 604th Comm Sq (Opr) (USAFE), this station to 1611th AB Gp (MATS), McGuire AFB, New Jersey as reads "RFD #2, Bridgewater, Delaware" is amended to read "RFD #2, Bridgeville, Delaware" and is amended to include reporting date to Rhein Main AB, Germany as "18 February 1960", EDCSA as "21 February 1960" and amd as "FRF-WRI-3PU-2317-AF2".

2. TSGT CLARENCE E GRIFFIN AF7004904 (Control AFSC - 70270). ASSIGNMENT: Is relieved assignment with this Headquarters (USAFE), this station; Assigned to Headquarters, Continental Air Command (CONAC), Mitchel Air Force Base, New York. REPORTING DATA: Thirty (30) DDALV. Leave Address: 1707 86th St., Brooklyn 14, New York. Sponsor & Dependents will report to the Passenger Hotel, Rhein Main AB, Germany not earlier than 0700 & not later than 1400 hours, (Date pending). Report to Comdr, Hq, CONAC not later than thirty-one (31) days after the date annotated on the personnel orders by the ZI port of entry unit. EDCSA: (Pending). GENERAL INSTRUCTIONS: Authority: AFM 35-11 & HEDUSAF Ltr AFPMP-2F, Subj: Assignments for World-Wide APRIL 1960 Returnees, 29 Jan 60. New Mailing Address is: TSgt Clarence E Griffin AF7004904, Hq, Continental Air Command, Mitchel AFB, New York. AFM 35-6 & Part 10, AFM 75-1, will be complied with. TRANSPORTATION: PCS. TDN. 5703500 048-132 P531.9 S503725 0231 0232 0390 CIC 45 048 5332 503725. Travel by military acft, government automobile and/or commercial transportation authorized. TPA with one (1) day travel time authorized. If POV is not used, travel time will be the time of the common carrier used. Requests for customs inspection, crating and shipment of household equipment and hold baggage will be made to the Rail Transportation Office in accordance with AFR 75-33. Shipment of one (1) POV authorized in accordance with AFM 75-1. Dislocation Allowance other authorized. Transportation of: Marjorie M Griffin (Wife), Christine Griffin (Dau) DOB: 19 Oct 52 & Denise M. Griffin (Dau) DOB: 18 Aug 55, U.S. Citizens with Passport Number 452859, is authorized concurrently with sponsor. First available air transportation authorized under amd's (Pending). Airman was assigned to Germany per Paragraph 1, Special Orders 55 , Hq, 3501st Recruiting Group, Mitchel AFB, New York, dated 21 March 1957.

3. TSGT (P-1) JOSEPH CLEARY AF12318516 (Control AFSC - 30470). ASSIGNMENT: Is relieved assignment with this Headquarters (USAFE), this station; Assigned to 2860th GEEIA Squadron (AMC), Robins Air Force Base, Georgia.

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HEADQUARTERS
ROME AIR MATERIEL AREA (AMC)
United States Air Force
Griffiss Air Force Base, New York

GENERAL ORDERS)
NUMBER 21)

15 June 1960

AIR FORCE COMMENDATION MEDAL. - 1. By direction of the Secretary of the Air Force, The Air Force Commendation Medal is awarded to the following named officer for Meritorious Achievement during the period indicated:

CHIEF WARRANT OFFICER, W-2 ADRON A. CARROLL, 954826E
1 January 1959 to 1 January 1960

2. By direction of the Secretary of the Air Force, The Air Force Commendation Medal is awarded to the following named airman for Meritorious Service during the period indicated:

MASTER SERGEANT MICHAEL DARIO, AF6863600
25 February 1957 to 22 March 1960

FOR THE COMMANDER:

IVAN T. YOST
Chief, Administrative Services

DISTRIBUTION:
M, S & B
Special:
15 - Dir of Mil Pers, Hq USAF,
Attn: Pers Serv Div, Wash 25, D.C.

ROME AIR MATERIEL AREA
OFFICIAL
HEADQUARTERS

ATCH #2

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HEADQUARTERS
GROUND ELECTRONICS ENGINEERING INSTALLATION AGENCY (AMC)
UNITED STATES AIR FORCE
Griffiss Air Force Base, New York

REPLY TO
ATTN OF: ROZQ 2 July 1960

SUBJECT: Report of Annual General Inspection, 2872nd GEEIA Squadron - Minor Items

TO: Commander
2872nd GEEIA Squadron
APO 283, New York, New York

I. AUTHORITY

Subject inspection was conducted during the period 28 June thru 2 July 1960, under the authority of AFR 123-1 and GEEIA Special Orders Number B-270 dated 9 June 1960.

II. MINOR ITEMS

1. Those minor items which require corrective action by the 2872nd GEEIA Squadron are provided as Attachment Number 1 to this report.

2. Minor items which require corrective action by agencies other than the 2872nd GEEIA Squadron will be reflected in the overall inspection report which will be provided at a later date.

III PROCESSING OF REPORT

When the recommended corrective actions have been completed, this report should be indorsed to file, stating the actions that were taken. This report should be kept on file for review by the GEEIA Inspector General during his next inspection of this unit.

ROGER V. HEARN, Major, USAF
Chief, Inspector General and
Quality Assurance Office

1 Atch
List of Minor Items

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nor Items which require corrective action by the 2872nd GEEIA Squadron

1. RECORDS MANAGEMENT

The publications library does not contain the following documents:

AFR 181-1 - "Air Force Records Management Program"
AFM 181-5B - "Evaluation and Disposition of Records"
AFM 181-5C - "Evaluation and Disposition of Records"

RECOMMENDATION: That the Squadron Records Officer submit a requisition for the above documents as soon as possible in order that the organization may have an effective records management program.

2. REPRODUCTION

This squadron has one (1) multilith machine assigned which is maintained and operated by the Spanish AACS Region, with one day service provided on reproduction of Special Orders. This machine frequently is inoperative and is not adequate because of Special Orders needed for immediate projects of the 2872nd GEEIA Squadron. The Base Reproduction facility gives three (3) to seven (7) days service.

RECOMMENDATION: That the Squadron submit a UAL Change Request, with adequate justification, to the European GEEIA Region for a ditto machine.

3. SPECIAL ORDERS

The applicable part of Paragraph 2, AMCR 30-3 was not being quoted after the purpose of the TDY orders. Reference Paragraph 6, AMCR 30-3. This regulation was not on hand in the squadron but was ordered by message to Chateauroux, France on 30 June 1960.

RECOMMENDATION: That the applicable subparagraph of Paragraph 2, AMCR 30-3 be quoted after the purpose of the TDY orders.

4. AIRMEN'S RECORDS

a. Airman Qualification Records (AF Form 7) were screened and the following discrepancies were noted:

(1) "Dislocation Allowance" entries were not posted to all of the AF Forms 7 as they should have been.

(2) Some AF Forms 7 were in need of reaccomplishment to improve their general appearance. Some were torn at the place where they are folded; some had ink entries where they should have been typed, and some indicated authority for certain awards as AFR 35-50 when the authority should have been indicated as AFR 900-10.

b. Airman Personnel Records Folders (AF Forms 4) contained the following discrepancies:

(1) Some records contained favorable communications such as letters of reciation, letters of recommendation, etc., which is in violation of AFR 30-9.

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(2) Some AF Forms 4 were in need of reaccomplishment because the tabs which hold the papers in the folders were broken off; they were in some cases smudged to the point that they looked messy, and some were badly "dog eared".

RECOMMENDATION: That the AF Forms 7 be screened and that all necessary corrections be made. That the extraneous letters be withdrawn from the AF Forms 4. That the AF Forms 4, dated May 59, which are presently on this base, but not in this squadron, be obtained and initiated. That all AF Forms 7 in need of it, be reaccomplished.

5. OFFICER'S RECORDS:

Officers Records (both AF Forms 10, Officer Personnel Records Folders, and AF Form 11, Officer qualification Records) were screened and the following discrepancies were noted:

a. Two records did not contain "Assignment Preference Statements".

b. One record did not contain the officer's duty assignment in this organization.

c. All records are in need of screening to withdraw extraneous material from the AF Forms 10, and make necessary corrections to the AF Forms 11.

RECOMMENDATION: That all of the officer's records be screened and brought up-to-date.

6 ECL TOOL KITS

Approximately twenty-two (22) individual (retention purpose) ECL tool kits are incomplete. In June 1960 the 2872nd GEEIA Squadron requestioned 1071 (quantity) items to cover these shortages. To date no action has been taken on this requisition.

RECOMMENDATION: That in the near future the 2872nd GEEIA Squadron initiate follow-up action to Base Supply on the items not received. If local capabilities are not adequate to fulfill squadron requirements, submit a Supply Assistance letter through HQ European GEEIA Region in accordance with GEEIA Reg 67-2 dtd 19 Jan 1960.

7. PERSONAL CLOTHING AND EQUIPMENT RECORDS (AF FORMS 538 AND 538A)

The following discrepancies were noted:

a. Combat Boots were posted on the face of AF Form 538 and 538A.

b. Field Jacket Liners are being carried on AF Forms 538 and 538As as retention type equipment. In accordance with TA 016, 1 Feb 60, this item is no longer authorized as retention type equipment.

RECOMMENDATION:

a. That combat boots be posted to the non-returnable item section of AF Form 538 and 538A in accordance with Sec 6, Vol IV AFM 67-1.

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b. That all field jacket liners be returned to unit supply and accountability be recorded on AF Form 1120 (Unit Property Record). If they are still required, prepare UAL change request to obtain proper authorization. If they are no longer required, turn them in to Base Supply.

8. AIR FORCE FORM 1120 (UNIT PROPERTY RECORDS)

The quantities shown in section four (4) of AF Form 1120 are not in agreement with the Custody Receipts.

RECOMMENDATION: That Custody receipts and AF Form 1120's be reviewed and corrected in accordance with Para 1i Sec. 7, Vol IV AFM 67-1.

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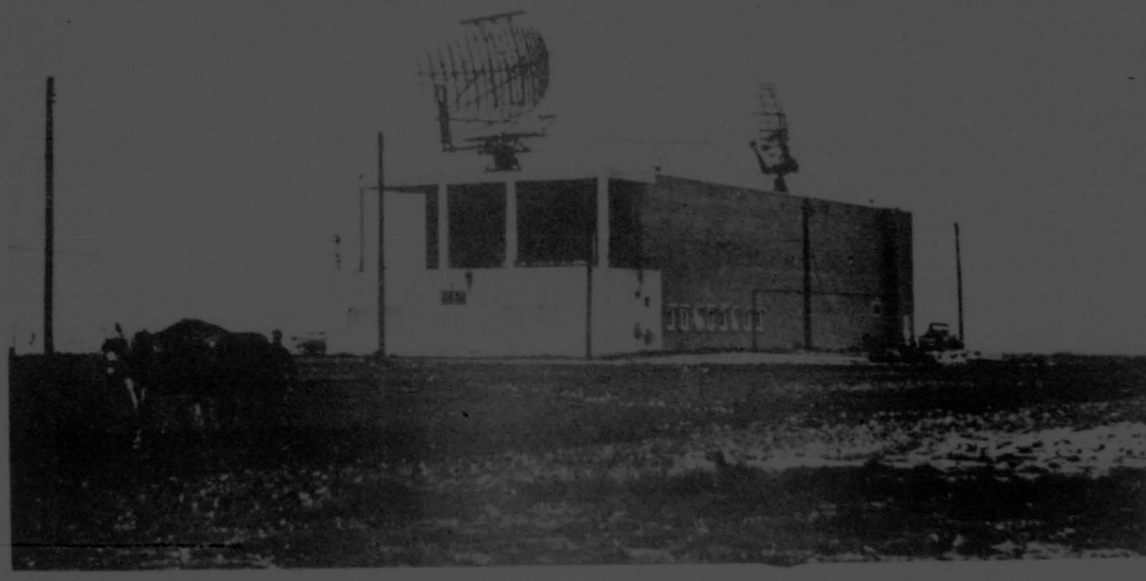

A radar station of the ultra-modern, multi-million dollar Spanish SC & W complex stands guard over the serenity of a peace-Spanish countryside.

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S P A N I S H

A C & W

P R O G R A M

A FINAL REPORT

Prepared by:
2872nd GEEIA Sqd (AMC)
APO 283, N.Y. N.Y.

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SCOPE:

This report covers all facets of the Spanish AC & W Program including Supply, Transportation, Manpower and Installation problems. It extends in time from 1 April 1959 to the conclusion of the program, 10 May 1960.

PURPOSE:

The purpose of this report is to present, in an orderly manner, the problems and solutions in managing a project of this magnitude. It will attempt to show specific examples where adherence to announced policies would have prevented certain difficulties and made this project an excellent testing ground for GEEIA. This report is primarily concerned with offering constructive criticism along with suitable recommendations.

HISTORY:

The Spanish AC & W Program was originally under the cognizance of the Middletown GEEIA Region. To supervise the program in Spain, Middletown established a detachment first at Headquarters, 16th Air Force and later, moved it to the offices of the Spain Air Logistics Office, AMFEA. The detachment was manned by one Contractor Technician, one Master Sergeant and five Airmen.

The program called for the installation of seven AC & W stations and one ADCC. The stations are located at Villatobas, Inoges, Constantina, Benidorm, Rosas, Elizondo (Gora Makil), and Soller on the island of Mallorca. The ADCC is located at Torrejon AB, Spain. The stations are equipped to perform both Early Warning and Ground Control Intercepts using the AN/FPS-20 radar, AN/FPS-6 height finding radar, SIF, Video Mapping and associated Air/Ground Radio, Tactical Telephone and Teletype equipment.

INTRODUCTION:

This squadron began actively preparing to assume the responsibility of

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the AC & W program on 1 March 1959, by assembling all data available from agencies in the Madrid Area and from European GEEIA Region. However, information was scarce and available files incomplete and chaotic.

In order to evaluate the situation, the Resident Engineer of the 2872nd GEEIA Squadron accompanied Mr. W.C. McNulty, Representative of Middletown GEEIA Region on a tour of all AC & W stations and the Barcelona port. The purpose of the visit was to inventory every item received in Spain for the AC & W program and to become familiar with all of the sites and their peculiar problems.

Of particular interest on this trip was the method of storage at the Army Port at Barcelona and the amazing habit of crates disappearing from the supply areas at Moron AB, Zaragoza AB and while in transit. Storage methods at Barcelona consisted of stacking crates to the highest point possible with a fork lift. No regard was given to case sturdiness or contents. This practice caused severe damage to many items. A further aggravation to this situation was the hapazard method of loading and off-loading of cargo from vessels. When this situation was brought to the attention of the Army Port Commander, Major Bernard Faberman, he advised that although he regretted the situation, his primary function was a port and not a warehouse.

In order to bring this situation under control, this squadron stationed a representative at Barcelona Port from that date until all AC & W scheme material was removed. This action corrected the situation except for the off-loading of vessels. In the presence of our representative two complete teletype schemes were dropped from the rail of a vessel to the dock. The contents of the dropped containers were returned to ROAMA as salvage.

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During this same period of time, a transfer agreement for the AC & W Program was entered into between European GEEIA and Middletown GEEIA Regions (TAB A). This agreement stipulated that the 2872nd GEEIA Squadron would receive twenty seven (27) spaces consisting of twelve (12) radar, ten (10) radio and five (5) wire installers to continue the AC & W Program. As of this date the squadron has not received this space augmentation. The program was carried out with one Airman second class radar installer and radio teams available from this squadron.

A comprehensive staff study of the supply problems involved in the AC & W Program was carried out jointly by Middletown GEEIA and European GEEIA Regions (TAB B). The recommended action listed in the study was rejected by the 16th Air Force.

At this particular time, most of the squadron manpower assets were engaged in the installation of the Paracuellos RAPCON. The only manpower available for the AC & W Program was that already on TDY to Spain from Middletown GEEIA for this Program. This consisted of one (1) radar team to install the AN/FPS-6 and one (1) radio team augmented by two (2) outside plant men to install the Air/Ground communications. The AN/FPS-20 was being installed under contract by a team from Bendix Radio.

This then, in summary, was our position 1 May 1959:

a. SUPPLY: Shortages causing work stoppage at all stations where installations were in progress. Supplies in Barcelona Port damaged due to storage and handling. Supplies lost in Moron, Zaragoza and in transit.

b. RECORDS: Incomplete or non-existent.

c. MANPOWER: TDY personnel only.

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d. MANAGEMENT: Fully aware of all the problems and ready with solutions to "put the show on the road". This indeed was truly a situation for the 2872nd GEEIA Squadron to establish its spirit of "CAN DO" and to demonstrate to all the slogan established by her commander, "We have no problems, just opportunities".

Out of this chaos success was inevitable. Our analysis of the program revealed that there were one hundred and three (103) active schemes in the program representing a value of $ 14,000,000.00 in scheme C & E equipment, an Air Force investment of nearly $ 50,000,000.00 in real property and construction plus hundreds of officers, airmen and contractor technicians already assigned to the AC & W Squadrons. The program was between one and three years late according to PCSP operational dates. Headquarters USAF had just revised the ops date for Soller from 360 to 160 and immediate action was called for.

At this time a new game of "pass the buck" was started. The construction agencies refused to hurry because "no C&E scheme material was on hand" and the supply agency would not be rushed "because Beneficial Occupancy Acceptance (BOA) has not been performed".

After careful consideration of all problems connected with the AC & W Program the following course of action was laid out:

a. We would assume executive direction of the program on 1 May 1959 rather than 1 June 1959.

b. Full responsibility for the program would be taken prior to 1 July 1959 if possible.

c. The Middletown GEEIA Detachment would be deactivated as quickly as possible and records transferred to the 2872nd GEEIA Squadron.

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d. The records of the Middletown GEEIA Detachment would be screened and consolidated in order to establish proper files.

e. A firm installation schedule would be established. Both CESAC and OICC (Officer in Charge of Construction who in turn controls the construction contractor Brown, Raymond and Walsh) would be forced to abide by this schedule.

f. A single manager from the 2872nd GEEIA Squadron was appointed to control all portions of the AC & W Program.

g. The manpower of European GEEIA Region and the 2872nd GEEIA Squadron would be used to the maximum extent in order to assure quality installation throughout.

h. An efficient scheme monitoring system was inaugurated in the squadron. The assigned Responsible Property Officers (RPO's) were directly supervised by the scheme monitor. Where-ever possible the RPO was assigned directly to the site with the sole function of reporting the arrival and condition of arrival of scheme supplies by BOM line item and by MPL listing. When boxes of material were opened by the installation teams, the RPO immediately noted all shortages and reported them by fastest means to the scheme monitor who would then take action with CESAC.

The Director of Supply, European GEEIA Region, established a series of credit card accounts with German electronic suppliers and assisted on several occasions by obtaining required installation items in Germany. This directorate also obtained special tools as required to complete the rigid radome installations.

During the month of June 1959 Brigadier General H.A. Neal, Commanding General of GEEIA and Mr. John Ward, Chief, CESAC Division ROAMA visited the 2872nd GEEIA Squadron. During this visit the squadron presented its

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position on the finish [illegible] program, and in, he could complete the entire program during 360 provided there were no supply deficiencies. This had two important results; first, Mr. [illegible] reposed a thirty day installation moratorium. During this period a combined CESAC and CE TIA team would make an item by item inventory of all boxes and box contents; second, Mr. Ward explained the new CESAC RPO concept, and agreed that it would be put into effect at once on the AC & W Program.

In essence the two people of Mr. Ward consisted of the following: Two representatives from CESAC, two representatives from Middletown CETIA and representatives from this squadron would visit every AC & W site or location where property was stored. While there they would open every box and determine exactly what was shipped, what was missing and what [illegible] shortages there were. In turn, we would provide a list of engineering shortages since, in the interim period, we had discovered some schemes to be improperly engineered or not engineered at all. This arrangement was duly drawn up into an agreement (TAB C) and put into effect.

The results of this inventory were to be available for the AC & W Phasing Group meeting to be held on 15 July 1959 at Torrejon AB, Spain. This Phasing Group meeting, attended by representatives of Hq CETIA, CESAC, [illegible] of CETIA, 16AF, OSD, USCC and this squadron was to determine our final plan of action. A firm installation schedule (TAB D) was drawn up and concurred in by all attending the meeting. Mr. Rosco Hill, CESAC, advised that all property would be shipped under the new RPO procedure thus eliminating most of our supply problems. Further, the shortage list just compiled would be hand-carried back to CESAC by Mr. Hill and the required parts would be dispatched by special airlift and courier accompanied to insure no losses enroute. The 287nd CETIA Squadron undertook to further

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courier the equipment from Torrejon AB to end destination.

The second announcement of Mr. Ward's (TAB E), that is, the New RPO concept, was by far the one with the most impact on the program. It would, in effect, eliminate all our supply problems. The concept as presented to us was the most intelligent approach to scheme supply ever heard. It had the following salient features:

a. Scheme material would be placed at end destination plus or minus seventy two (72) hours of the Material Required Date (MRD). This would completely eliminate storage problems.

b. The Responsible Property Officer (RPO) folders would contain all necessary data, that is, shipping documents, AMD's and LOGSEA data if applicable and would be shipped to the unit well in advance of equipment arrival, thus making it possible for us to properly oversee off-loading and transportation.

c. No split shipment, i.e., part of a scheme on one boat, another in another boat.

d. Use of CONEX containers as much as possible, thus keeping small components consolidated and providing a container for return shipment of excess.

e. Provide immediate disposition instructions for all excess property.

f. Provide 100% Bill of Material line item supply or suitable substitute.

g. Immediate re-supply of any items lost enroute.

h. Minor items kit, consisting of nuts, bolts, wraplock and other items frequently used during each installation to be supplied with each scheme. The parts kit was to be returned to CESAC after each use for replenishment.

Our reaction to such an approach was immediate. In order to assure full

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control, Hq GEEIA and European GEEIA were asked for permission to deal direct with all concerned in the program. Permission was granted. MRD and RPO nominations were submitted immediately to CESAC (TAB F).

Experience had shown that if a task force of installers consisting of a radar team, an outside plant team, a radio team, a teletype team and an experienced contractor technician was placed on a station we could complete it in thirty days. Accordingly two such task forces were organized, one for Elizondo and one for Soller. The Contractor was forced to meet our Benificial Occupancy Date (BOD) (TAB G) and the sites occupied by the concerned AC & W Squadrons. Additional required manpower was obtained from sister squadrons in Europe, North Africa and the United States through European GEEIA and Hq GEEIA. The stage was set. With an MRD of 15 September 1959 established for Elizondo the task force for that station departed Torrejon on 9 September 1959. The Station was activated by the 65th Air Division on 10 September 1959 and all supplies currently in Spain for the Station were moved to arrive there no later than 15 September 1959. The professional people were ready and waiting. And they waited and waited and waited, but the supplies from CESAC failed to arrive. The Soller Station was activated on 1 October 1959 and an MRD of 15 October 1959 was set. The task force moved onto the island on 5 October 1959 and all supplies available in Spain were directed to be on station by 15 October 1959. CESAC's failure to provide equipment proved most embarrassing to GEEIA since we had forced both the contractor and 16th Air Force to activate the stations on the dates shown.

SUPPLY:

Prior to a discussion on the triumphs and shortcomings of CESAC in this

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program it is fitting that we first explain our philosophy of C&E scheme supply: Supply is the lifeblood of GEEIA, and CESAC is the heart which pumps it into the system. Failure of this system can slow our activities to a snail pace or cause sudden death for GEEIA. Supply is one place where we can say that 99% perfection of shipment is 100% useless in the field. An AN/GRC-27 cannot be made to operate for example without an antenna or RF cable or a missing critical cord assembly. Supplies must be 100% complete and on site on the day the installation is scheduled to arrive and begin installation. This date in turn is fixed by our customer, the major air command or user who has established a valid operational date in the PCSP. The appearance of this date in the PCSP means that headquarters USAF has declared it to be a valid and SUPPORTABLE requirement.

There are two occasions in which CESAC rose to the occasion in support of the Spanish AC & W Program. The first occasion was in supplying the Air/Ground scheme for Soller, 29-S2-UL44-3A01K-R-1155-594A8-A. The engineered Bill of Materials was not supplied to Mr. Hill, CESAC until the first week of August. CESAC indicated that they would make every effort to fill our requirements, and ship to shelf exhaustion. The material arrived in Spain during 260 with some cable assemblies missing, however, with enough material that we were able to give the station some air/ground capability. The second occasion was in the rapid re-supply of a rigid radome CW-396A after one had been partially destroyed in high winds during erection at Benidorm AC&W Station. The most serious delays in the AC & W Program were caused by the dismal failure of CESAC to abide by the formula for RPO shipment as outlined to us by Mr. Ward. All our planning was based on the assumption that CESAC could follow their own plan. During the entire AC & W Program only twenty three (23) RPO folders were received. These did not contain all the

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information they were to contain, did not arrive prior to the equipment and did not provide for 100% shipment of equipment. Our normal method of being informed of the arrival of equipment was a message from the port or the ATCO indicating that we had received equipment and where did we want it shipped. Further, CESAC did not abide by the statement that any equipment lost in shipment would be re-supplied at once. The normal procedure was to engage in long argument and procrastination. A typical example is the case of the AN/FPS-6 parts for Rosas and Benidorm AC & W Stations. These shortages were initially reported by us in June (TAB H) and verified by the combined count of CESAC and this organization. The required parts did not arrive in Spain until February 1960 a total work stoppage time of nine (9) months. Action was not taken on this subject until Headquarters USAF (TAB I), Headquarters AMC (TAB J) and ROAMA (TAB K) directed the shipment of the parts. To our way of thinking there is no possible excuse for this type of service. When informed by the installing agency that a shortage exists, action by CESAC to re-supply should be instantaneous. Further difficulties were caused by the shipment of temporate AN/GPA-58 equipment to Inoges AC & W Station where arctic was required and the shipment of arctic AN/GPA-58 equipment to Soller where temporate was required. The exact requirement for all stations was explain to the prime depot (TAB L) by Middletown in 1956. The correct type equipments were reflected in Rome Material Programming Document number 59-1-2 dated 15 April 1959. These two errors caused a work stoppage to the contractor, Bendix Radio, of more than sixty (60) days. It completely disrupted the planned schedule for the Bendix installation team.

Another CESAC practice which caused difficulties in the program was the arbitrary changing of MRD's (TAB M). Once MRD's are established they

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should remain inviolate, since supply must be subservient to the installation and the installation subservient to the operational date as established in the PCSP.

What is considered another time consuming ploy is the practice of taking refuge behind GEEIA Regulation 100-6, which requires a 90 day lead time for call out of new schemes. There are no exceptions made to the concept as laid down in 100-6, but, issue must be taken with the practice of quoting 100-6 as reason for delay in shipping schemes that were called out twelve (12) months previous (TAB N), and in quoting 100-6 as a reason for delay in shipment of delinquent BOM line items (TAB O).

The most serious problem posed to this organization by CESAC's failure to follow its new procedures was caused by the piece-meal and incomplete shipment of scheme material. CONEX containers were not used in any of the shipment. In only one instance (in this case a scheme with one line item) did we receive a complete and total shipment. In every event either a BOM line item was missing or a portion of the MPL (Master Packing List) items were missing. This practice caused us to expend 1,000 RPO mandays, on extended TDY to monitor scheme shipments.

The shipment of the AN/FPS-6 radars for Benidorm, Rosas and Soller leads us to believe that they were not processed throu the Depot for IRAN or completion of the MPL. This belief is based on the physical condition of the equipment upon arrival and the shortages encountered. As stated in a previous section of this report we are of the belief that supply is the bloodstream of installations. Actions as shown above can only cause delay in the installations and ill will for GEEIA.

We in this organization have made every attempt possible to give the CESAC new concept a fair trial. All preparations possible were made to assure the

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success of the CESAC venture. Not until all promises made had failed to materialize did this organization take vigorous action to assure success of the Spanish AC & W Program.

A word must also be said concerning the results of the Special Airlift resulting from the inventory jointly carried out by CESAC and GEEIA. The airlift did not arrive in thirty days as promised but sixty days after the inventory. It was not accompanied by a courier as promised but arrived without warning (TAB P). The equipment contained in the shipment relieved about 50% of the reported shortages and contained wrong items (TAB Q). Another sterling example of too little too late.

There is yet one more example of supply difficulty that we would like to cite. This concerns the mounting rings for the rigid radome schemes at Soller, Rosas and Benidorm. These vital items were deleted from the concernod schemes by Hq GEEIA without consultation with this organization, (TAB R). It required the most aggressive action possible on the part of this organization, European GEEIA, and SAC to convince the concerned agencies that the items were required. This is indicative of a trend on the part of activities located at Rome to assume that their field organizations do not know their business of Engineering and Installations. We decline to express further views on the subject. Our solution to the CESAC problem is contained in our recommendations.

TRANSPORTATION:

Second to supply, transportation ranks as the next problem. Our area for discussion here lies in the fields of lost shipments, partial lost shipments, equipment damaged enroute, and difficulties encountered moving small shipments to and from sites. Particular reference is made to Soller, Rosas and Elizondo.

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Our desires concerning the movement of supplies were made quite clear during the July phasing group meeting to Mr. Hill and again to Mr. Ward during his visit to Spain. They are as follows: make maximum use of CONEX containers to prevent pilferage and damage, sufficient advance notice of shipment arrival to assure that the equipment could be met and loading and off-loading supervised and shipments NOT TO BE SPLIT BETWEEN TWO CARRIERS. The only exception to this rule would be when air shipment is used and weight and cube prohibit the loading of the total scheme on one aircraft. Our other transportation problem is local. The time required for example to move priority cargo from Torrejon AB to Elizondo Air Station is approximately ten (10) days. Cargo moving from Torrejon AB to Rosas is also approximately ten (10) days. Cargo moving from Torrejon AB to Soller is approximately ten (10) days if by water or from one to seven if by air. Returning cargo from any station to Torrejon AB required either a special request for movement or the use of the organic transportation of this squadron.

MANPOWER:

At the beginning of the program this organization was completely dependent upon installation teams TDY to Spain from Middletown GEEIA. This consisted of one radar team and one radio team. Bendix Radio was performing the AN/FPS-20 installations under contracts 36(600)-6214 and 36(600)-6591. Later, a thirty two (32) man outside plant radome team was dispatched from the United States (Central GEEIA Region) to assist in the radome installation program.

Early in the program it was discovered that the teams TDY from the United States could not meet the professional standards set by this squadron. As a result, corrective and clean up action had to be made on all installations performed by these TDY teams. In the case of the radome team sent TDY from

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Central GEEIA Region, they had never seen a rigid radome before and had no experience in the erection of this type equipment.

In order to preclude the receipt of other teams in these categories it was decided that only personnel from European GEEIA would be used in the installations. To this end, the Director of Installations, European GEEIA made available to this organization one teletype and one Telephone team from the 2871 GEEIA Squadron in North Africa and a team of skilled outside plant installers from the 2874 GEEIA Squadron in Germany to assist in the installation of the CW-396A rigid radomes. This arrangement proved most satisfactory. To make up for the radar teams our procedure was to employ our outside plant personnel to install the radar antennas, our radio teams to run and tailor cables and all under the technical supervision of our Contractor Technician and one Airman radar installer. The hot check and trouble shooting of the equipment was also performed by the Contractor Technician and Airman. Site personnel as available and who required On the Job Training (OJT) were used to assist where possible. This procedure proved satisfactory.

The cost to the United States Government and the Air Force for the installation of the AN/FPS-20 at six (6) stations by Bendix Radio was in excess of $ 120,000.00 plus any penalty incurred by the two thirty day delays caused by supply shortages. The team supplied by Bendix was in turn augmented by ten to fifteen radar maintenance people from the concerned AC & W Squadron for OJT. The work performed by Bendix was of good quality. If all supplies that were, by contract, to have been furnished by the Government had arrived as scheduled, this contract would have made a favorable impression on all concerned with this program. When supply difficulties are encountered on a fixed price per installation contract, the contract becomes inflexable and

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difficult to handle. Until such time as CESAC can assure 100% fill of supply items it is suggested that this type of contract be discouraged. In its place one of two types can be substituted:

a. Fixed price with the contractor supplying all materials on a Turn Key basis.

b. Obtain the required technicians on a Fixed Price per Man Month basis. These technicians could then be attached to the Squadrons or Regions for the specific intended projects. All parts under this concept could be supplied by the Air Force. In the event of supply failure under this concept the technicians are flexible and can be used where and as required.

INSTALLATION:

Upon resolution of our supply and engineering problems, the only remaining problems were the weather and Mobile Depot Assistance. The MDA problem was easily resolved by ROAMA (TAB S). However, the weather caused considerable delay in our installations progressing at Soller, Inoges, Benidorm, Rosas and Elizondo.

Soller was by far the worst station weather-wise. During the month of December, a total of twenty seven (27) inches of rain fell in one twenty four (24) hour period. This storm inundated the cantonment area, contaminated the site reservoir and water supply and flooded the access road to the site. When relief parties were able to reach the site, it was decided to evacuate GEEIA personnel to preserve their health and welfare and to relieve the site of the burden of supporting these additional people. At this time, only three days of emergency rations remained on the station. According to reports received from our personnel, no fresh rations had been received during the period of their stay at this station. Colonel J.M. Smith, Base Commander at Torrejon, the support base for this station was advised of the

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situation prevailing at Soller during his stand-up briefing on the morning of 28 November 1959 (TAB T). The situation was further outlined to the D/Material of 16th Air Force and 65th Air Division on the same afternoon. Arrangements were quickly-made at Torrejon to have the site re-supplied, our group was reformed and again committed to the installation as quickly as possible. During the month of January and February high winds and snow storms kept the top of the mountain inaccessible for thirty of these sixty days. An aerial view of the site and access road is included in the photo section.

An interesting sidelight concerning Soller is the fact that in order to have sufficient space on the peak to build the site, the point had to be dynamited from the peak and its elevation reduced by twenty one (21) feet. Photos of this dynamiting are included in the photo section.

Benidorm, Inoges and Elizondo were completely isolated for several days due to severe snow storms and high winds. However, at each station work was able to begin again after four or five days. Aerial views of these stations along with Rosas, Constantina and Villatobas are shown in the photo section. A complete listing of every piece of equipment installed in the Spanish AC & W Program along with cost is included as (TAB U). Photographs of typical completed installations are included in the photo section of this report. This squadron had full Engineering and Installation responsibility for this program. Since no major Engineering and Installation problems were encountered a detailed description of these activities has been omitted.

RIGID RADOME INSTALLATION:

This phase of the program is presented under a heading of its own because of the particular opportunities it presented. The initial requirement for erection of rigid radomes are: First: A perfect base ring and, Second: Wind under

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enty five (25) knots.

ecause of the contractors failure to [illegible] of radome platforms
were forced into a radome installation pro ram during the worst possible
time of year with my members [illegible] in the erecti n of this
particulrr type dome.

Our first eight dome was erected at Alboraia on 14 October 1959 and required
thirty one (31) hours. Our second attempt was at Benidorm and proved to be
our first lesson in the ordinary of the weather. Seventy knot winds partially
destroyed this dome. Our next attempt at Benidorm was successful and the
second dome was erected in twenty four (24) hours. Due to extreme wind
conditions at this site, it was decided to transfer operations to Rosas where
conditions appeared more favorable. Our third dome and the first at Rosas
was erected in sixteen (16) hours. On the fourth dome, winds again partial-
ly destroyed the dome during erection. Spare panels were moved to Rosas
and on the next attempt, the dome was installed in twelve (12) hours. The
team then returned to Benidorm determined to set a record for the installa-
tion of the AN-FPS6A Rigid Radome. On 4 February 1960 a combined team con-
sisting of personnel from our sister squadron the 2874th and this squadron
erected the AN-FPS6A in eight hours and thirty nine minutes for what we believe
to be the record time for this type dome.

For the last Radome installation at Soller, it was necessary to bring
maximum pressure to bear on the contractor in order to have the platforms
completed. The contractor was informed that this squadron would complete
the platforms themselves if not completed within a twenty four (24) hour
period. The contractor complied and the domes were erected on the next day.

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Thus, the final radome in the Spanish AC & W complex was erected on 17 March 1960.

A note should be made here that of the two types of domes supplied to us, one manufactured by Parsons Corp. and the other by Old King Cole Inc., the Parsons dome assembles much easier. From difficulties encountered on the dome manufactured by Old King Cole Inc., it would appear that they do not hold their tolerances on bolt holes and overall dimensions.

RECOMMENDATIONS:

Careful study of the entire Spanish AC & W Program leads us to believe that the following recommendations are in order:

a. SUPPLY. That CESAC be forced, through regulation or any other suitable method, to bring the RPO program into full force as outlined by Mr. John Ward.

In the event it is found impossible to instill into CESAC the proper spirit and concept it is suggested that the following system be put into effect as a last resort:

1. Establish GEMIA warehouses at world wide points to marshall scheme equipments. Scheme material will then be pre-assembled and shipped from these warehouses.

2. Establish a system of rapid local purchase for these warehouses to fill scheme shortages where-ever possible. It is suggested that a special purchase officer be established in the New York, New Jersey Area for this purpose. This area is close to the major electronic manufacturers and close to major Air Force overseas staging areas (Dover and McGuire AFB).

3. If items 1 & 2 above are put into effect, CESAC can be deactivated.

b. TRANSPORTATION. That some method be devised to put aerial transportation at the disposal of GEMIA units, either through actual assignment

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of C-123 type aircraft and helicopters to regions or through service agreements with Carrier Wings that could assure 24 hours service.

c. MANPOWER.

1.) Establish a GEEIA world wide listing of its personnel who hold special skills, and in frequently used skills, e.g. erection of rigid radomes, installation of weather equipment etc., so that when requirements arise for these skills personnel can be mobilized quickly into the required area. (TAB V) is a sample roster that should be kept in this form or card file form by the Director of Personnel, Hq GEEIA.

2.) Establish GEEIA quality standards that will insure that every installation is a professional installation.

d. CONSTRUCTION. BOD and construction schedules should be under the control of GEEIA. GEEIA should have authority to fully regulate BOD.

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TRANSFER AGREEMENT

between

MIDDLETOWN GEEIA REGION
Olmsted Air Force Base, Middletown, Penn

and

EUROPEAN GEEIA REGION
APO 633, New York, NY

on

COMMUNICATIONS ELECTRONICS
ENGINEERING INSTALLATION RESPONSIBILITIES

in the

EUROPEAN THEATER OF OPERATIONS

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INTRODUCTION:

1. As a result of the establishment of the Ground Electronics Engineering Installation Agency and consequent reorganization and realignment of functions within GEEIA, certain responsibilities and resources must be transferred from Middletown GEEIA Region (MAZG) to European GEEIA Region (EUGR). This document contains the details and arrangements for effecting this transfer.

SPANISH Aircraft Control and Warning Program

2. References:

(a) EUGR message: EGR 22-N-01, Part II

(b) Hqs GEEIA message: ROZ 12-570-E

(c) MAZG message: MAMN 12-193-E

(d) Visit, TDY, Mr. W J Vibbard, EUGR, to Middletown GEEIA Region, 24 February 1959.

(e) Visit, TDY Mr W C McNulty, MAZG, to European GEEIA Region, 23 March 59

3. Assumption of Responsibility: EUGR will assume E-I responsibility for the entire program in accordance with the following:

(a) Responsibility, in terms of executive management and control of the Spanish AC&W Program, will be transferred on 1 June 1959.

(b) Certain functions, hereinafter described, will continue to be performed by MAZG and/or by Squadrons assigned to MAZG. All such performances will be after coordinated action of MAZG and EUGR with approval as necessary from Hqs GEEIA. Should MAZG be deactivated prior to assumption of full operational responsibility by EUGR, Hqs GEEIA will set in place of MAZG.

(c) Every effort will be made on the part of all concerned to complete all transfer arrangements by 1 July 1959.

4. Manpower and Personnel

(a) References:

(1) MAZG message: MAZGA 4-200-E

(2) EUGR message: EGRP 19-A-03,; EUGRC 20-B-06

(3) AMFEA messages: EFFS 3-1-631; EFNE: E 2-235-E

(b) Manpower and personnel resources of MAZG identified as involved in the Spanish AC&W Program will be transferred to EUGR as soon as possible:

TYPE	QUANTITY	ASSIGNED	DESCRIPTION OF DUTIES
1. Contract Technician	1	MAZG Spain Detachment (attached to Spain Air Logistics Office)	Chief Project Officer in charge of Spanish AC&W Program

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TYPE	QUANTITY	ASSIGNED	DESCRIPTION OF DUTIES
2. Contract Technician	1	MAZG Spain Detachment (attached to Spain Air Logistics Office)	Chief Installation Supervisor & Trouble Shooter
3. Foreign National	1	"	Draftsman
4. Foreign National	1	"	Secretary-Stenographer
5. DAF Civilian	2	MAZG, Olmsted AFB Middletown, Penn	Equivalent spaces, Grade GS-12, involved in Engineering functions
6. DAF Civilian	1	"	Equivalent spaces, Grade GS-11, involved in Engineering & Installation monitoring functions
7. Airmen	27	GEEIA Squadrons in ZI principally 2361 GEEIA Sq at Olmsted AFB	Various airmen grades & skills that make up Radar Installation Teams, 2 Radio Installation Teams & a Wire Installation capability.

(c) For the present, incumbents of items 1 thru 4 above will transfer with the spaces and will be assigned to the 2372nd GEEIA Squadron at Torrejon Air Base.

(d) Since no identification of individuals for Items 5 and 6 can be made, only spaces will be transferred, but MAZG personnel will be accorded the same privileges as any other personnel in applying for these positions.

(e) With regard to item 7, in order to augment the installation capabilities now in Spain, EUCR will initiate action through Hqs GEEIA to have 27 military personnel from GEEIA organizations in the ZI transferred to the 2372nd GEEIA Sq at Torrejon. These spaces to consist of 12 Radar, 10 Radio and Five (5) wire types. This is the estimated strength required to accomplish Spanish ACW mission as agreed by EUCR and MAZG.

(f) Initiation for action of transfer of manpower and personnel will be taken by EUCR. (Reference messages from European GEEIA Region, EUCMC 9-0-09.

5. Installation Activities:

(a) Middletown will continue with any installation in progress at the time of the transfer of ZI function and will complete the installation. Any military team from MAZG installing equipment at the time of transfer will remain to complete the installation prior to departure for the ZI. The installation engineer assigned to the project will remain with the team to complete the installation, and, if necessary, orders for such personnel will be amended accordingly by the issuing office.

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Where a scheme has been directed against a future year financial plan, sufficient information must have been made available to EUGR to permit programming of funds

(d) The K-1 report for April 1959 reflects the latest status of all C & E facilities in the Spanish AC&W Program. A breakdown of the proposed Installation Schedule based on current C&E material availability and anticipated material delivery to the various sites will be jointly prepared by MAZG and EUGR representatives in Spain.

(e) Upon the completion of this Installation Schedule EUGR and MAZG will jointly present this Installation Schedule, together with the results of the material inventory (see below) to the Sixteenth Air Force, in order to achieve coordination on changes in operational dates, as may be necessary.

8. Scheme Material Status and Supply Accountability

(a) Representatives of Middletown in company with EUGR personnel will inventory all C & E equipment presently in storage at Spanish AC&W stations, air bases and other unloading terminals and marked for installation by Middletown GEEIA Region personnel.

(b) Procedures for transfer of accountability will be discussed and determined by personnel of MAZG, EUGR, 2872nd GEEIA Squadron and representatives of the Sixteenth Air Force at Torrejon Air Base during the week of 13 April 1959. (See attached inclosure for results of discussions and recommendations of EUGR and MAZG.)

9. Funds

MAZG will furnish EUGR a breakdown of funds expended for both engineering and installation pruposes for the fiscal year 56, 57, 58 and obligated or committed in FY 59, plus a breakdown of funds programmed and included in the MAZG FY 60 Financial Plan if any. This information to be provided EUGR by 1 June 59. EUGR will include in its FY 60 Financial Plan all known funding requirements and will assume all further funding responsibilities.

10. Organization Actions

Upon assimilation of MAZG Madrid Detachment personnel and equipment in the 2872nd GEEIA Squadron, EUGR will notify MAZG and the latter will take appropriate action to deactivate the MAZG Madrid Detachment.

11. Project Officers

EUGR, MAZG, 2872nd GEEIA Squadron and the MAZG Madrid Detachment will each appoint principle Project Officers to serve as point of contact for all transfer actions. Each organization will inform all others of the individual designated as Project Officer.

MISSILE SUPPORT

12. References:

(a) MAZG letter, subject: Summary of Workload in European Area (U) 3 February 1959.

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(b) Briefing by MAZG representatives to EUGR February 1959.

13. Responsibility is to be transferred effective 1 July. Thirty-three schemes are involved on which engineering is complete. Installation is planned for FY 60 and later. Installation will be made by EUGR. An installation schedule for these schemes will be developed by EUGR and coordinated with the operating agency.

14. Paragraphs 6(a), 6(c), and 7(a) above are applicable to these schemes.

15. Until 1 July 1959 all actions taken with regard to these schemes will be communicated to EUGR.

AZORES

16. References:

(a) MAZG letter, subject; Hq Middletown GEEIA Region Workload by Area, 27 January 1959.

17. Responsibility is to be transferred effective 1 July for 13 schemes in Lajes, Azores.

18. Paragraphs 6(a), 6(c) and 7(a) above are applicable here.

OTHER

19. Any area of responsibility not covered in this document which must be transferred will be made a subject of separate action.

For European GEEIA Region:

/s/John W. Hope
JOHN W. HOPE
Colonel, USAF
Commander

for Middletown GEEIA Region:

/s/Elmer E. Douglas
ELMER E. DOUGLAS
Major, USAF
Commander

APPROVED:

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STAFF STUDY

COMMUNICATIONS - ELECTRONICS

SCHEME MATERIEL STATUS & SUPPLY ACCOUNTABILITY

for the

SPANISH AC&W COMPLEX

PROBLEM

1. Revaluation of supply accountability procedures for C-E scheme material, from an engineering installation agency point of view, discloses deficiencies that warrant remedial action.

DISCUSSION

2. Since the inception of the Spanish AC&W program, and at present, Middletown Air Materiel Area (MAAMA) has held supply accountability on all C-E scheme materiel not yet installed and accepted. MAAMA is operating under the authority of AFM 67-1, Vol III, 30 August 1957. This authority, however, is specifically restricted to Zone of Interior sites only; but since no supply procedures for overseas AC&W sites were apparently available, this authority was used.

3. This procedure has been far less than satisfactory. The accountable agent, 3000 miles separated from the physical materiel, is entirely dependent upon other supply agents for receipt storage, issue, etc.

a. At present, scheme material is being shipped by Rome marked for the supply account at the various sites while accountability and shipping records are held by MAAMA. For the most part, material is shipped through the water port facility for transshipment to the site, although some material was shipped directly to bases and sites.

b. Delay in construction of sites, storm damage, shortage of some scheme items and other causes have hindered shipment of material to sites. Storage, therefore, was and is required for this material until shipment can be made. At present, the facilities of the water port at Barcelona, which is operated by the U S Army, where neither manpower nor warehouse space was programmed, are being utilized for warehousing. In some cases, storage facilities at support bases and on sites are being utilized, but for the most part, it has not been possible to ship to base and site supply officers for storage and accountability, since Sixteenth Air Force will not permit its supply officers to assume this responsibility.

c. Sixteenth Air Force has only limited storage space and supply manpower available. On 20 April 1959, that Command was requested to assume storage and accountability responsibility by MAZG and EUGR. The request was denied by the Supply authorities of the Sixteenth Air Force, although the request was supported through Communication channels of the 65th Air Division and Sixteenth Air Force.

d. Considerable confusion exists regarding the status of scheme material, its availability and its location. This confusion is due to manpower shortages, the time-distance factor between the multiple agencies involved, inadequate procedural guidance for each agency, loss of material and inadequate follow-up action.

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4. At the current time, an inventory of AC&W scheme material is being taken by representatives of Middletown GEEIA Region (MAZG), European GEEIA Region (EUGR), and a representative of Air Materiel Forces, European (AMFEA), who is attached to the MAZG Madrid Detachment. Materiel is being physically checked at all locations, identified against and segregated according to scheme, shortages and excess identified and follow up action being taken. A representative of EUGR has been detailed to the water port facility to insure integrity of segregated scheme materiel and to oversee transshipments.

5. The applicable directives governing supply actions on C-E scheme material are covered in:

a. Technical Order 31-1-8, paragraphs 4-25b, 25e, 25f; 4-26; 4-27.

b. AFM 67-1: Vol 1, Sec 15, Vol II, Sec 4 and 11.

The procedures established under these directives are delineated below in Recommendations. These procedures are being followed by the Sixteenth Air Force for all schemes for which Sixteenth Air Force was assigned C-E Engineering-Installation responsibility (non-AC&W schemes in Spain). They are also followed by USAFE for all schemes, including the AC&W complex in Morocco.

6. A recent work stoppage at the Constantina AC&W site illustrates some of the difficulties of the present way of doing business. The work stoppage was caused by a shortage of certain items. General Electric Corporation, who has a maintenance contract with the Air Force, had these items available from their stocks in Madrid. The items were Government Furnished Equipment to the contract and GE was willing to release the material but their contract required that all material be released to and signed for only by supply accounts in Spain. To clear the stoppage, GEEIA arranged transportation of the items to Constantina but the base supply officer, under instructions and the practice of the Sixteenth Air Force, was unable to accept the material. Thus a situation was created in which there was a work stoppage due to materiel shortage, the materiel was on hand at the location, the installers were ready, yet the work stoppage could not be averted because no one was available to accept accountability on the materiel. There were, however, MAAMA representatives in Spain, and after agreements with the AF contracting officer, GE, the MAAMA representative signed for the materiel and installation proceeded.

7. Middletown GEEIA Region is due for deactivation on 30 June 1959. Most of its C-E Engineering-Installation functions and responsibilities will be assumed by the Mobile GEEIA Region. The responsibilities and functions previously exercised by MAZG in Europe will be assumed by European GEEIA Region. Although it is not absolutely impossible to leave supply accountability with MAAMA when MAZG leaves, this is highly impractical and has the potential of compounding the problem.

8. Available information indicates a probability that the storage space in the leased warehouse at the Barcelona port facility will be lost to the United States Government on 30 June 1959 since the Spanish do not desire to renew the lease. If this occurs, space must be found for scheme materiel currently stored here.

9. EUGR and MAZG have jointly proposed the following procedure for C-E Scheme materiel:

a. All C-E scheme materiel will be shipped by ROAMA to the appropriate Base Supply. The materiel will be stored by Base Supply until the E-I agency arrives

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for the installation phase. Base Supply will issue the C-E scheme materiel to the operating agency. Accountability will be dropped by Base Supply and picked up by the operating agency. The operating agency will issue the major items of equipment to the installing agency on Custody Receipt. Minor and expendable items will be issued on AF Form 81A "Daily Recapitulation of Issues from Service Stock" and expended against the C-E scheme. When the installation inspection has been accomplished in accordance with T. O. 31-1-8, the Custody Receipts become void and will be surrendered to the E-I agency or destroyed.

b. Base Supply will notify European GEEIA Region of the monthly status of all items received on each approved bill of materiel. This information is required by the E-I agency in order that efficient installation scheduling may be accomplished.

10. The above procedure is now in effect in Sixteenth Air Force for all C-E schemes except the AC&W schemes.

11. The estimate of the resources required to operate in accordance with this procedure is:

Storage Space Required

Base	Sq Ft Inside	Sq Ft Outside	Supply Manpower	Other
Zaragoza	500	7500	24 man months	10,000 sq ft tarpaulin 5,000 ft l
Torrejon	800 (with excess)* 400 (no excess)	7000 (with excess)* 4000 (no excess)	20 man months 10 man months	9,000 sq ft tarpaulin
Moron	500	2000	12 man months	3,000 sq ft tarpaulin 2,000 ft line

*NOTES:

1. Based on current knowledge of excesses. All excesses are planned for disposal action as soon as possible.

2. The above requirements, based on assumption that installation can proceed without further delays, and no new requirements or engineering changes, are calculated to exist over a one year period.

3. Additional temporary storage space will be required at each of the sites but quantity requirements cannot now be estimated. It will be no more than currently being used.

12. EUCR has offered to detail one man to each of the above bases to assist Sixteenth Air Force in supply receipt, storage, issue and accountability functions for as long as the requirement will last.

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13. Improved method of transportation has been initiated in which each CE scheme will be controlled from origin (normally ROAMA) to final destination and fully coordinated with all interested agencies.

a. On analysis of in transit time, it was found that water transport was a more efficient and faster method than air transport, considering the loss of scheme integrity due to the procedures inherent in an airlift operation. Through water transport, via Logsea, scheme integrity is preserved, eliminating the problems of later reassembly, loss of boxes, improper storage, damage due to airlift packaging, etc. As a result, ROAMA will now ship all scheme over three pieces or 5,500 pounds via Logsea. Priority shipments when necessary will be made by air.

b. A series of built-in improved controls during the transport period have been established which insures identification, curtails loss or automatically initiates tracer action or supply, and provides up-to-date information to all concerned regarding status of scheme while in the pipeline.

c. In summary, this Headquarters envisions the following advantages:

(1) Complete scheme control from origin to destination.

(2) A firm ETA which will assist in scheduling installation teams so as to arrive at the site in conjunction with arrival of the materiel.

(3) C-E method to determine shortages or damage as they occur in the pipeline.

(4) Packing and coorosion treatment of materiel for water shipment will lessen inside storage problems which are critical in the Spanish area.

(5) Damage from handling during surface movement of airpacked items will be minimized.

CONCLUSION

14. The procedure outlined in paragraph 9 is in accordance with directives and is the most efficient arrangement as demonstrated by its practice in other areas.

15. The additional small expenditure in manpower and space on the part of the Sixteenth Air Force will be compensated for by decreases in the operation and staff time now utilized in checking into supply problems.

16. Accomplishment of the installation of the AC&W system for the Sixteenth Air Force will be greatly enhanced.

ACTION RECOMMENDED

17. That Hqs SAC be apprised of this problem by Hqs AMC with a request that the 6th AF be directed to accept supply accountability functions for the C-E scheme materiel for the Spanish AC&W complex.

18. That 16th AF, EUGR and MAZG jointly arrange the details of transferring supply accountability from MAZG to 16th AF. Target date for transfer is 30 June 1959.

WARREN J VIBBARD
Executive Assistant
European CEEIA Region (AMC)
APO 633, New York, N Y

CHARLES W KNOEBEL
C-E Installations
Middletown CEEIA Region (AMC)
Olmsted AFB, Penn

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Memo of Understanding

ROAMA

65th Air Division
16th Air Force
2872nd GEEIA Sqdn

Meeting was held 29 June 1959 at 2872nd GEEIA Sq, Torrejon AFB, at 010:00 with the following people in attendance:

CAPT	CRIDLIN, William G.	16th AF	DOCE
S/MSGT	DUNLEY, B. C.	65th AD	DCE
CIV	O'NEIL, J.C.	65th AD	DCE
CAPT	AUGUSTINE, C.A.	2872nd GEEIA Sq	
WO,W-1	VAN TASSELL, H.P. JR	2872nd GEEIA Sq	
CIV	HICK, E.A.	2872nd GEEIA Sq	
CAPT	HASD, R.D. JR	65th AD	DCEC
CIV	GEORGE MURCH	Bendix	
CIV	A.P. VAUGHAN	Bendix	
CIV	FRANK DE FAZIO	Griffiss, N.Y. ROME	
CIV	NACK NITTI	Griffiss, N.Y. ROME	

Based on Memo of Understanding dated 9 June 59 the following schedule has been established for the review of Spain complex by site in order that inventory of shortages by site can be consolidated and be made available for 15 July meeting.

Schedule visiting sites

30 June - 8 July	Rosas and Inoges
9 - 11 July	Benidorm
12 - 15 July	Constantina

Shortage lists will be compiled by site, and by scheme and will be listed as follows:

1. BOM shortages
2. Damaged equipment
3. Equipment required, but not listed on BOM.
4. Overages

Hq ROAMA	16th AF	2872nd GEEIA SQ	65th ADIV

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SCHEME NR	SFEL	BOD	ENG START	ENG COMP	INSTL START	INSTL COMP
358-016-BU61-1155-MA-85A7	FB-5B-9 FB-1A-9 FB-5B-9C FA-1-1H FB-1A-10	*	*7-57	*7-57	6-59	9-59
358-016-BU61-1155-MA-85B7	Minor Items	*	*9-58	*9-58	9-59	12-59
159-3A0-BU61-1155-MA-270A8	FB-6A-9	*	*6-58	*1-59	8-59	9-59
19-52-BU61-()R-1155-MA-008B8-L	Major & Minor items required to complete installation	*	*5-59	*5-59	7-59	9-59
358-016-EN98-1155-MA-87A7	FB-5B-9 FB-1A-9 FB-5B-9C FA-1-1H FB-1A-10	*	*8-56	*9-57	*5-59	9-59
258-3A0-EN98-1155-MA-271A8	FB-6A-9	*	*6-58	*1-59	8-59	9-59
38-52-EN98-()R-1155-MA-012B7	Major & Minor items req'd to complete Installation	*	**5-59	*5-59	7-59	9-59
29-52-IJ03-()3A01K()-R-1155-422A8-A	FB-5B-9 FB-1A-9 FB-5B-9C FA-1-1H FB-1A-10	**	*6-58	*3-59	9-59	12-59

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SPAIN AC&W G/A RADIO Cont.

SITE	SCHEME NR	SFEL	BOD	ENG START	COMP	INSTL START	COMP
	29-52-IJ03()3A01K() 1155-422B8-A	Minor items	**	*5-59	*5-59	8-59	9-59
W-1	259-016-KD60-1155-MA-89A7	FB-5B-9 FB-1A-9 FB-5B-9C FA-1-1H FB-1A-10	*	*	*2-59	9-59	12-59
	29-52-KD60-()R-1155-009B8-L	Minor Items	*	*5-59	*5-59	7-59	8-59
W-4	358-016-SV11-1155-MA-91A7	FB-5B-9 FB-1A-9 FB-5B-9C FA-1-1H FB-1A-10	*	*8-56	*6-57	8-59	9-59
	259-SA0-SV11-1155-MA-272A8	FB-6A-9	*	*6-58	*1-59	8-59	9-59
	48-S2-SV11-()3A01K() 1155-445B7	Minor Items	*	*5-59	*5-59	8-59	9-59
W-7	259-016-UL44-1155-MA-92A9	FB-5B-9 FB-1A-9 FB-5B-9C FA-1-1H FB-1A-10	**	7-59	7-59	12-59	1-60
W-2	Site is operational						

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E IN AC&W RADAR

SITE	SCHEME NR	EQUIP.	BOD	ENG START	COMP	INSTL START	COMP
A-3	158-016-EN98-X-1152-MA-72A7	OA-842 Coder	*	3-57	5-57	ASAP	
	057-JUS-CON-X-GI-MA-81	MPS-7	*	7-55	9-55		
	056-JUSCON-X-GI-MA-81A	Components	*	7-55	9-55		
	056-JUS-CON-X-HT-MA-82	MPS-14	*	-	-		
	056-JUS-CON-X-VM-MA-113	GPA-30	*	7-55	9-55		
A-6	358-016-IJ03-X-1152-MA-22A7	OA-840	9-59	8-58	8-58	12-59	12-59
	458-016-IJ03-X-1152-MA-01A7	GPA-30	9-59	-	8-58	10-59	12-59
	458-016-IJ03-X-1152-MA-52A7	FPS-20A	9-59	5-58	7-58	10-59	12-59
	458-016-IJ03-X-1152-AMGMA-53A7	FPS-6A GPA-30	9-59	5-58	8-58	11-59	1-60
A-1	158-016-KD60-X-1152-MA-73A7	OA-842	*	3-57	5-57	8-59	9-59
	[illegible]	[illegible]	*	[illegible]	[illegible]	-	[illegible]
	056-JUS-IHO-X-GI-MA-[illegible]	MPS-7	*	7-55	9-55	8-59	9-59

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AIRCRAFT CONTROL & WARNING RADAR Cont.

SITE	SCHEME NR	EQUIP	MOD	ENG START	COMP	INSTL START	COMP
	056-JUS-INO-X-GI-MA-86A	Components	*	7-55	9-55	8-59	9-59
	056-JUS-INO-X-HT-MA-89	FPS-6	*	7-55	9-55	8-59	9-59
	056-JUS-INO-X-HT-MA-89A	Additional Material	*	3-58	3-58	8-59	9-59
	056-JUS-INO-X-VM-MA-111	GPA-30	*	4-55	6-55	8-59	9-59
W-5	160-SAO-BU61-X-1152-MA-6A9	CW-396A Radome	*	10-58	10-58	7-59	9-59
	160-SAO-BU61-X-1152-MA-7A9	CW-396A Radome	*	10-58	10-58	7-59	9-59
	016-BU61-X-1152MA-19A7	OA-842 Coder	*	3-57	4-57	9-59	9-59
	057-JUS-BEN-X-GI-MA-26	GPA-58	*	2-56	3-56	3-59	5-59
	052-JUS-BEN-X-GI-MA-26A	Additional Material	*	8-57	9-57	3-59	5-59
	056-JUS-BEN-X-GI-MA-078	MPS-7 Radar	*	7-55	9-55	3-59	5-59
	056-JUS-BEN-X-HT-MA-79	MPS-14 Radar	*	7-55	9-55	3-59	6-59
	056-JUS-BEN-X-VM-MA-115	GPA-30	*	9-55	9-55	5-59	6-59
	056-JUS-BEN-X-GI-MA-78A	Additional Material	*	7-55	9-55	3-59	5-59

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S TN AC&W RADAR Cont.

SITE	SCHEME NR	EQUIP	BOD	ENG START	COMP	INSTL START	COMP
W-7	158-016-UL44-X-1152-MA-20A7	OA-842	**	7-58	7-58	8-59	9-59
	057-JUS-504-X-GI-MA-034	GPA-58	**	1-56	3-56	12-59	2-60
	052-JUS-504-X-GI-MA-34A	Additional Material	**	8-57	9-57	12-59	2-60
	056-JUS-504-X-GI-MA-98A	Components	**	2-56	2-56	12-59	2-60
	056-JUS-504-X-HT-MA-99	MPS-14	**	2-56	2-56	8-59	11-59
	056-JUS-504-X-VM-MA-112	GPA-30	**	10-55	3-56	9-59	9-59
	056-JUS-504-X-GI-MA-98	MPS-7		2-56	2-56	12-59	2-60
W-4	160-SAO-SV11-X-1152-MA-8A9	CW-396A Radome	*	10-58	10-58	9-59	10-59
	160-SAO-SV11-X-1152-MA-9A9	CW-396A Radome	*	10-58	10-58	9-59	10-59
	158-016-SV11-X-1152-18A7	OA-842	*	3-57	4-57	9-59	10-59
	057-JUS-ROS-X-GI-MA-022	GPA-58	*	2-56	3-56	9-59	10-59
	057-JUS-ROS-X-GI-MA-22A	Waveguide	*	8-57	9-57	8-59	10-59
	056-JUS-ROS-X-GI-MA-95A	Components	*	7-55	9-55	8-59	10-59

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MAIN AC&W RADAR Cont.

SITE	SCHEME NR	EQUIP	BOD	ENG START	COMP	INSTL START	COMP
	056-JUS-ROS-X-HT-MA-96	MPS-14	*	7-55	9-55	9-59	11-59
	056-JUS-ROS-X-VM-MA-114	GPA-30	*	1-55	3-55	9-59	11-59
	056-JUS-ROS-X-GI-MA-95	MPS-7	*	1-55	3-55	9-59	11-59
W-2	056-JUS-VIL-X-GI-MA-13A	UPA-35	*	7-55	9-55	8-59	9-59
	CE57-JUS-VIL-X-GI-MA-13B	Additional Material	*			8-59	9-59
	057-JUS-VIL-X-IF-MA-203	OA-842	*	1-57	1-57	5-59	6-59

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There are three general areas which I would like to discuss with you this morning that are of pertinent interest to all of us. These concern the Funds Area, the R.P.O. Complex, and the Development of Kits.

FUNDS AREA.

1. First I want to talk about the problem that apparently exists in this are. I say apparently, because I do not believe funds are the big problem you might have expected. Specifically, I would like to talk about those funds which were allocated to CESAC from GEEIA to be used for requirements outlined on your Form 935 financial sheets under column 9, "Requirements". These requirements are generally for items which are used in construction work, for example, cement and reinforcing steel. Other items of similar type are included in this grouping. Funds in bulk allotments were given to each of the GEEIA Regions by CESAC and may be used as required for these requirements. There is no requirement to check with CESAC prior to the use of monies for these items. However, they must be items that appear in column 9 of the Form 935 report.

2. A primary problem seems to be that there has been a re-evaluation of what will be required to be done by contractors and what will be done by GEEIA. There is no real difficulty in this area. When the decision is made not to go contractor, GEEIA regions must notify GEEIA headquarters of the contract from which the money is to be reduced, and the dollars added to column 9 of the Form 935 report. In this way, GEEIA will then transfer additional funds to CESAC and we will be able to furnish the Regions with enough money to do the job. I must point out that these 437.08 funds are utilized not only to buy items that you have indicated as requirements under column 9, but also are used to buy locally normal scheme items which CESAC cannot supply and which you indicate a capability of buying locally and are available locally. In these cases, it is required that, prior to your committing or buying any of these items, an indication of your ability and capability to do so be made to CESAC and that CESAC authority for you to local purchase these items be obtained.

3. I want to point out that the total dollars given to you at the beginning of this year are not all you can expect. There has been placed on CESAC as well as on all other AMC activities, certain funds control, by quarter, and so we have tried to limit the number of dollars that we have given to you by a lesser amount than your total allocation. As you obligate these funds, we can increase the dollars in your "kitty" so that you can maintain your day to day operations. I would like to repeat again that the problem is one of not notifying GEEIA Headquarters of a change on the Form 935. With a change from contractor responsibility to a GEEIA responsibility, an additional monetary value is required in column 9. If this change is made, additional funds will readily be made available.

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4. The second problem area with funds is that you cannot arbitrarily buy scheme items without prior approval of CESAC. This is not because we don't want you to buy, but it is because we as material managers must insure that items you are buying, or can buy, are items that we in CESAC do not have or cannot give to you as rapidly as you can buy. Please let me underscore that statement, "Items which CESAC cannot give to you as rapidly as you can buy." The time element here is an important point. I receive many requests for dollars to buy local purchase items. At the time the request is made, you are asking CESAC to meet a specific delivery date. Because of that delivery date being short I may be unable to meet the deadline so you ask me for dollars so that you can go out and buy the items. Your procurement action on the items may require 30 to 60 days and, in most cases, more than 60 days. If this is the case, CESAC at Rome can, in all probability, meet or beat this action by demanding shipment off call contracts or other contracts that are already in existence. Perhaps we need to take a closer look at the specific delivery date and discuss this realistically with the scheme monitor in CESAC. Unless you can buy the item and have it in your hands within 30 days, CESAC most likely can have it there just as fast. I want you to note that there is no funds limitation in this particular area. If you ask me for the item, have a justified requirement, can buy the item and I cannot supply it, I will gladly give you the funds, I have only one customer to satisfy, GEEIA, and unless you people can satisfy your customers for the installations which you are making, neither one of us will have satisfied the customer. My entire staff operates with the understanding that they have only to support GEEIA. To repeat, funds are not the problem. There are as I have indicated, some administrative difficulties which we must insure do not create stumbling blocks to utilization of the dollars we need. But funds, as funds, are not the problem, and neither should the administrative problems create a deterrent to successful accomplishment of our job.

RESPONSIBLE PROPERTY OFFICERS (R.P.O. COMPLEX)

1. Apparently, the term "Responsible Property Officer" creates a bad inpression with almost everyone who hears it. I can understand that to most of you, the duties and responsibilities of a Responsible Property Officer could be time consuming, detailed and a real problem. Like many other things in the Air Force, however, the Responsibilities of Responsible Property Officers under the CESAC operation have changed as much as the transition from the B-17 to the Ballistic Missile. Actually, the Responsible Property Officer's duties to carry out the functions required by CESAC are simple and straightforward. The R.P.O. receives a folder for each scheme. In this folder he finds a page of instructions on how this job must be accomplished.

2. First, he is responsible for making contact with the base and checking with the Transportation Officer to insure that the material will be received and that the T.O. knows it is coming to him. Now this is easy, because in the folder he has the information of the date material was shipped, the date it is expected to arrive, the Bill of Lading Number, the number of pieces, and the weight and cube of the shipment. Second, at the time the material is received, his responsibilities are limited to accounting for the number of packages indicated as being delivered.

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A post card is included in the Responsible Property Officer folder indicating the number of boxes to be delivered. If this says ten boxes, his responsibility is limited to counting ten boxes. Under our control procedure, each box will have the CESAC label and will be marked with the control number of that shipment and one of ten, two of ten, three of ten, etc. If he should receive any number of boxes less than ten, all he must do is determine what boxes did not arrive. If he will notify CESAC immediately of the boxes that did not arrive, we can take instant action to trace and re-ship the items that are not there, if this should be required. The Responsible Property Officer folder also contains a break-out by box of all contents, so that he will know the material that is located in each box. This information is not required for his RPO duties, but is placed there so it will be available to the team leader, permitting him to select which boxes he wants to open in order to start his installation. In summary then, the RPO duties for the beginning of his installation are limited to counting of the boxes, filling out the information on the post card and mailing the card back to CESAC.

3. The duties of the RPO cease at this point until the site nears completion. As material is used and completion date nears, the R.P.O. will be able to easily recognize those items which are excess, i.e., those items not being used in the installation. His instructions are that the items in his RPO Folder which are excess will be circled in red. Quantities which are in excess to one of the items will be checked and the quantity entered in red. This information should be forwarded to CESAC as soon as possible. I believe that you can give us and yourself a big assist in this area. If this information can be forwarded to us by teletype we will give disposition on all excesses to the RPO within 72 hours of the receipt of his request. This will allow us to clean up all scheme material prior to the team leaving the site. We will have the information as to what should be brought back, what should be shipped to another site, what should be discarded or turned into the base supply officer.

4. You can walk away from the site knowing that the installation is complete, not only as installers but also that there are no loose ends, such as boxes of supplies lying in the corners that should be taken care of. These are all of the duties that the RPO has with the exception of one additional responsibility. At this point since he has done all that is necessary, he takes the folder, puts it in an envelope and mails it back to CESAC. This then, is his total job. As you can see, the Responsible Property Officer duties for this particular type of accounting that has been developed especially by CESAC for the support of GEEIA are not those duties normally associated with the Responsible Property Officer all of us have known in the past. It is easy for us to say that this is simple, that it can work and that there are no problems. Apparently, this is not completely true because there have been problems and each of you as Commanders has indicated in some way that you are not completely sure that everybody understands what we are doing about Responsible Property Officers. Again, we in CESAC feel that this is simple and that it can work and "make money" for the GEEIA people. But it can only work if you, as Commanders, are in agreement that it is simple, and that you feel it can work. With this in mind, I would like to answer or attempt to answer any questions or any problems

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that you specifically may have an in so doing attempt to clear away the haze and misconceptions that may have developed during the past few months of operation.

DEVELOPMENT OF KITS.

1. One of the methods that we have proposed to afford better support to GEEIA has been through the development of a Supply Kit. The kit is envisioned as being a reusable container having one of possibly four distinct characteristics, developed along the lines of outside plant, or inside plant or radio or radar support teams. These four different types of kits would go into the same standard container and the appropriate container would then be shipped with each and every scheme that CESAC processes. We are emphasizing the reusable container because we are thinking in terms of stocking the container with emergency type items common to all installations of this kind which, if missing at the site, could delay or prevent completing the installation. These kits would arrive on site with the scheme material, the installers would use only those items essential to the job being done, lock up the container and return it to CESAC. We would re-stock it and ship it out with the next scheme of that type at a later date. It is anticipated that the container will be a metal box of some light weight alloy that can be used over and over and yet withstand shipping.

2. We have a rough kit made up and I would like, if possible, for each of you Commanders to look at this kit: in fact, I would say it is most important for you to look at the kit. First, size is an important factor. Some of the items that have been requested to be placed in a kit of this type would require the kit to be over 10 ft long. This would be rough to handle and would require four men to pick it up and carry it. It could be made smaller. Do you want it made smaller? This is what we need to know. Are all the items that you think should be in a kit of this type in it? Should we re-arrange it? Can we use this kit advantageously? These are the things that each of you must look at and decide where you can help by advising us what will do the job better. The plans are now that after you have given us this information, a complete re-engineering of the size, shape, and design of the kit will be made, based on your advice, and that we then will go forward to contract for a trial number for these kits.

3. Again, we must ask your help and the only way that we can insure that we are servicing your requirements is for you to tell us exactly what you need. It would be better if some of the large items which have been requested to be placed in these kits could be eliminated, and here I am speaking specifically of the inside plant kit, in which you have asked us to place ground rods, anchor rods, and things that we would normally associate with outside plant. Even in the outside plant area we wonder how often you need an extra ground rod or some of the other material that has been asked for. We want to service your needs, but I think we all must recognize that we want to service your normal expected needs. It would be impossible to satisfy all your needs on an all-the-time basis for everything that you may need at a site. As I said we have one of these kits made up as a sample, it is available for you to look at and we will have personnel available to talk to you about it and listen to your recommendations. We will advise each of you as to what the group thoughts are so that you can be aware of what the approach will be in the future on the kit supply support procedure.

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ROUTINE
ROUTINE-COURIER X AF

2872ND GEEIA SQDN (AMC) TORREJON AB SPAIN ENCRYPT FOR

CESAC ROAMA GRIFFISS AFB NEW YORK TRANSMISSION

INFO: EUROPEAN GEEIA REGION, LINDSEY AB STATION, WIESBADEN GERMANY ONLY
16AF, TORREJON AB, SPAIN (COURIER)
65AD, TORREJON AB SPAIN (COURIER)
877 AC & WRON, TORREJON AB, SPAIN (COURIER)
880 AC & WRON, TORREJON AB, SPAIN (COURIER)

UNCLAS/E F T O/FROM EOSMF-8 -24 . ACTION: CESAC. INFO: EUGR, 16AF, 65TH AIR DIVISION, 877 & 880 ACWRON. THIS IS A SPANISH AC & W MESSAGE, MESSAGE IN TWO PARTS, PART ONE. SUBJECT: RPO W-6 & W-7. THIS MESSAGE IS TO DESIGNATE COMMANDER 2872ND GEEIA, RESPONSIBLE PROPERTY OFFICER OF CE SCHEMES LISTED BELOW FOR AC & W SITES W-6 AND W-7 GORA MAKIL AND SOLLER SPAIN. REFERENCED SCHEMES WERE CALLED UP 19 DECEMBER 1958. REQUEST ALL BOM LINE ITEM SHORTAGES BE IN PLACE AT END LOCATION NO LATER THAN 15 SEPTEMBER 1959.

CE SCHEMES GORA MAKIL

CE 60-SAO-IJ03-AMCMA-5344-012A8 CESD 000590489

CE 60-SAO-IJ03-AMCMA-6314-013A8 CESD 000590487

3

AUGUST 1959

GEEIA/ld.

OSCAR C. WEAVER, MSGT, USAF
2623 1 3

CHARLES A. AUGUSTINE
CAPTAIN, USAF
CHIEF ADMINISTRATIVE SVCS

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2872ND GEEIA SQDN (ANC) TORREJON AB SPAIN

CE 60-SAO-IJ03-AMCMA-6314-014A8	CESD 00590486
CE 60-16-IJ03-AMCMA-6656-015A8	CESD 00590488
CE 58-016-IJ03-AMCMA-1152-22A7	CESD 00590179
CE 58-016-IJ03-AMCMA-1152-51A7	CESD 00590299
CE 458-016-IJ03-AMCMA-1152-52A7	CESD 00590823
CE 58-16-IJ03-AMCMA-1152-53A7	CESD 00590822
CE 59-16-IJ03-AMCMA-1152-75A7	CESD 00591257
CE 57-JUS-GOM-AMCMA-100SR	CESD 00053989
CE 57-JUS-GEN-AMCMA-102TT	CESD C052706
CE 29-S2-IJ03-3A01K-R-1152-422A8A	CESD A1592041
CE 29-S2-IJ03-3A01K-R-1152-422B8A	CESD A1592387

CE SCHEMES SOLLER

CE 360-SAO-UL44-AMCMA-5344-016A8	CESD 00591939
CE 360-SAO-UL44-AMCMA-6311-017A8	CESD 00591940
CE 360-SAO-UL44-AMCMA-6314-018A8	CESD 00591941
CE 58-016-UL44-AMCMA-1152-020A8	CESD 00590178
CE 360-SAO-UL44-AMCMA-6656-027A8	CESD 00591942
CE 57-JUS-SOL-AMCMA-34GI	CESD 00053829
CE 57-JUS-SOL-AMCMA-34AGI	CESD 00059688
CE 59-JUS-SOL-AMCMA-77SR	CESD 00053980
CE 259-16-UL44-1155-MA-92A7	CESD UNKN
CE 56-JUS-SOL-AMCMA-98GI	CESD C054095
CE 57-JUS-SOL-AMCMA-98AGI	CESD C580210
CE 56-JUS-SOL-AMCMA-99HT	CESD 00053991

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2872ND GEEIA SQDN (AMC) TORREJON AB SPAIN

CE 56-JUS-SOL-AMCMA-112VM CESD C051280

CE 360-SAO-UL44-1152-AMCMA-276AS CESD C591686

PART TWO. REQUEST THIS ORGANIZATION BE ADIVSED AS TO STATUS OF FOLLOWING CE SCHEMES, FURTHER REQUEST EDITED BOM'S BE FURNISHED IF AVAIALBE.

CE 58-JUS-GOM-MA-147TT CESD UNKN

CE 58-JUS-GOM-MA-148TT CESD UNKN

CE 58-JUS-GOM-MA-150TT CESD UNKN

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2872ND GEEIA SQUADRON (AVC)
United States Air Force
APO 283, U.S. Forces

REPLY TO
ATTN OF: HUSMP

SUBJECT: W-6 Dates

31 July 1959

TO: JUSMG (JDC) Attn: Mr. Beauvais, APO 285, US Forces

1. Reference meeting held at W-6 on 28 July 1959 between members of the following organizations: 65th AIR DIV, JUSMG, OICC, 2872nd GEEIA Sq, 877 AC&WRON and ERA.

2. This letter confirms the GEEIA BOD requirements as follows:

A. 1 September 1959

a. Mess Hall
b. BOQ and 2nd floor Airmen Dormitory
c. Unit Supply
d. Technical Supply
e. Receiver Building
f. Transmitter Building

B. 15 September 1959

a. AB 199 and AB 259 Power
b. Ops Building room 210, 210A, 208, 207, 206 and 205
c. CTNE & Battery Room 108
d. Power Plant
e. Cable Trough

3. It is our understanding that these dates can and will be met.

FOR THE COMMANDER:

/s/t/CHARLES A. AUGUSTINE
Captain, USAF
Chief Administrative Services

Copies to:
16AF (DEO)
16AF
65AD
EUCR
2872nd GEEIA Sq.

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7 July 1959

SUBJECT: Construction Schedule of AC & W Stations in Spain

TO: JUSMG (C), APO 285, US Forces

1. This squadron has just been informed verbally by Hqs 16th Air Force that construction schedule for the Spanish AC&W Stations is as follows:

a. Rosas. Construction of two (2) cement block for installation of AN/MPS-14 and AN/FPS-20 antenna pedestals. Estimated completion date 13 Aug 1959. Construction of steel platform for erection of two (2) rigid radomes. Estimated completion date 15 Nov 1959.

b. Benidorm. Construction of steel platforms for erection of two (2) rigid radomes. Estimated completion date 15 Nov 1959.

c. Soller. Construction of steel platform for erection of two (2) rigid radomes. Estimated completion date 7 Dec 59.

2. Dates as shown in paragraph one above are unacceptable for the following reasons and all efforts should be made to meet the dates shown below:

a. Rosas. Cement blocks should be completed prior to 15 July 1959. This date permits use of the MAAMA radar installation team currently in the area to perform the MPS-14 installation.

b. Rosas, Benidorm and Soller. Steel decking for the installation of rigid radomes should be complete on all three sites prior to 1st October 1959. The October date is specified because of the radome installation requirement of 4 complete days with winds under 24 knots. We do not believe that this requirement can be met after 15 October.

3. Should the above dates not be met, the problems that will arise and possible severe damage to equipments are self-evident. It is therefore requested that you make every effort to meet the dates specified in paragraph 2a and 2b above.

FOR THE COMMANDER:

/s/t/HOWARD P. VAN TASSELL, JR
WO-W2, USAF
Ass't Chief of Admin

Cys furnished:
Hq 16th AF
Hq 65th ADIV
Hq European GEEIA Region

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PRIORITY
ROUTINE & COURIER X

COMDR 2872ND GEEIA SQDN (AMC) TORREJON AB SPAIN

COMDR MIDDLETOWN GEEIA REGION MIDDLETOWN PA

COMDR ROAMA ROME NEW YORK

INFO: COMDR EUROPEAN GEEIA REGION WIESBADEN GERMANY

COMDR 16TH AIR FORCE TORREJON AB SPAIN (COURIER)

COMDR 65TH AIR DIVISION TORREJON AB SPAIN (COURIER)

UNCLAS FROM 2872E-29-E-03 . SUBJECT: AC&W SCHEME

SHORTAGES. THE FOLLOWING ITEMS ARE SHORT ON SCHEME CE56-

JUS-BEN-AMCMA-79-HT, AN/FPS-6 HIGHT FINDING RADAR AT BENIDORM.

FIGURE AND PART NUMBERS REFER TO T.O. 31T3-2FPS6-4.

QTY	UNIT	NOMENCLATURE	FIG. NO.	PART NO.
1	EA	FLYWHEEL	3-34	145C836G1
1	EA	ALLEN SCREW 3/8x16x5/8	3-35	UNK
1	EA	CRANK ARM ASSY	12	7708207G1
2	EA	HOSE, WATER	182-6	D3010-936
1	EA	HOSE, AIR	DEHYDRATOR	TO XMTR CABINET
12	EA	WAVEGUIDE O RING		7484867P48
1	EA	HORN, OUTRIGGER TOP	2-37	9797453G1
1	EA	HORN, OUTRIGGER BOTTOM	2-38	9797454G1
1	EA	TIE ROD ASSY	UNK	178B771G1
1	EA	CROSSBRACE	UNK	PL1390812
2	EA	ROD, BRACING	2-39	PL169B386G1
2	EA	ROD, BRACING	2-41	PL169B388G1
1	EA	RING SUPPORT	4-12	174B669P1

29 0900

MAY 1959

GEEIA/b1

E.A. BECK, DAFC
2625 1 3

CHARLES A. AUGUSTINE
CAPTAIN, USAF
CHIEF OF ADMINISTRATION

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2872ND GEEIA SQDN (AMC) TORREJON AB SPAIN

QTY	UNIT	NOMENCLATURE	FIG NO	PART NO
2	EA	SUPPORT BRACKET	4-8	147C955G1
1	EA	BRACKET	5-19	174B668P1
1	EA	SUPPORT, WAVEGUIDE	4-15	174B670P1
1	EA	GASKET	UNK	205-A338P1
1	EA	SWITCH, INTERLOCK	11	PL145C829G1
120	EA	BOLT, HEX HEAD 3/4x10x13/4		N14P35028
12	EA	LOCKWASHER 3/4		AN935-1216L
6	EA	MARSDEN NUT 1x8		M9728272P8
2	EA	SCREW, FILLISTER HEAD		AN500C616-10
4	EA	MARSDEN NUT 5/8 x 11		M9728271P5
8	EA	TAP SCREW		N23P25028
78	EA	LOCKWASHER 3/8		AN935-616L
8	EA	LOCKWASHER 1/2		AN935-816L
26	EA	NUT 3/8 x 16		AN340C616
12	EA	LOCKWASHER $\frac{1}{2}$		AN935-816L
6	EA	TAPSCREW		N23P29036
4	EA	NUT $\frac{1}{2}$ x 13		N227P29
12	EA	TAPSCREW		N23P25020
4	EA	TAPSCREW		N23P21012
12	EA	NUT 5/16 x 18		AN340C516
12	EA	LOCKWASHER 5/16		AN935516L

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2872nd GEEIA Flight (ALC) TORREJON AB SPAIN

QTY	UNIT	NOMENCLATURE	FIG NO	PART NO
8	EA	TAPSCREW 5/16 x 18 x 1 1/4		N23P23020
14	EA	TAPSCREW 1/4 x 20 x 5/8		N23P21010
4	EA	SCREW		AN500C416-12
4	EA	BOLTS		65-5-7
4	EA	NUTS		AN340C516
8	EA	BOLTS		NS-3507-61
4	EA	BOLTS		NS-35303-183

QTY	UNIT	NOMENCLATURE	STOCK NUMBER
1	EA	FLEX WAVEGUIDE CG-945/U	1800-024761060
1	EA	FLEX WAVEGUIDE CG-1048	1800-024754030
1	EA	FLEX WAVEGUIDE CG-947/U	1800-024761080
1	EA	WAVEGUIDE CG-946	1800-024761070

FOLLOWING LINE ITEMS ARE MISSING FROM CE 58-16-BU61-1155-MA-85A1. LINE ITEM NUMBERS 19, 22, 27, 29, 30, 31, 32, 33, 34, 40 (ONLY FOUR EACH RECEIVED) 45, 47, 52, 53, 85, 86, 87, 92, 93, 94. REQUEST NECESSARY ACTION TO ASSURE RECEIPT OF ABOVE ITEMS AT THIS LOCATION AS QUICKLY AS POSSIBLE.

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M 172015Z ZEX
FM HQUSAF
TO RJEZGF/ROAMA
INFO RJWXGR/SAC
RJTDSQ/AMC
RJEZGF/GEEIA GRIFFISS AFB
RJFXNNA/16AF
RJFKDU/65 AIR DIV
RJFXBN/2872 GEEIA SQ
RJFPBW/EUR GEEIA REG
RJFKDU/875 ACWRON
BT
UNCLASSIFIED FROM AFMSS-EA-2 71489.
TO ROAME FOR ROSXWE) INFO CINCSAC (DM3A6), AMC (MCSDS), GEEIA GRIFFISS, 16AF, 65AD, 2872 GEEIA, EUR GEEIA, 875 ACWRON. REF CINCSAC MSG DM3A6 10942 DTD 5/FEB 60 SUBJ: ROSAS AND BENIDORM ACW SHORTAGES, WITH INFO YOUR DEPOT. SINCE HEIGHT FINDER RADARS AT SUBJECT SITES HAVE LIMITED OPERATIONAL CAPABILITY DUE TO DELAYS IN SHIPMENT OF REQUESTED MATERIAL, IT IS URGENT THAT AGGRESSIVE ACTION BE TAKEN TO EXPEDITE SHIPMENT OF ALL C-E SCHEME DEFICIENCIES. APPROPRIATE ACTION SHOULD ALSO BE TAKEN TO INSURE RETURN OF ALL IMPROPER MATERIAL SHIPPED TO ABOVE SITES. IN EVENT OF YOUR INABILITY TO EXPEDITE SHIPMENT OF ANY REQUIRED ITEMS DUE TO DEFICIENT DEPOT ASSETS ADVISE THIS HQ AND ABOVE ADDRESSEES OF DATE SUCH ITEMS ARE EXPECTED TO BE MADE AVAILABLE.
BT
17/2049A FEB RJEZHQ

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RM 111440Z
FM HQ AMC WPAFB OHIO
TO RJEXFG/ROAMA GRIFFISS AFB NY
RJEZGF/GEEIA GRIFFISS AFB NY
INFO RJEZHQ/COFS USAF WASH 25DC
RJWXBR/SAC OFFUTT AFB NEBR
RJWFXB/16AF TORREJON AB SPAIN
RJFXDU/65ADIV TORREJON AB SPAIN
RJFXBN/2872 GEEIA SQ TORREJON AB SPAIN
RJFPAA/374 GEEIA REG WIESBADEN AB GER
RJFXDU/875 ACWRON ROSAS AIR STN SPAIN
RJFXDU/876 ACWRON BENIDORM AIR STN SPAIN
BT
U N C L A S E F T O MCSDS 2-2591-E.
REF SAC MSG DM3A6-10942 DTD 4 FEB 60 AND ROAMA MSG EFTO ROSXWE-2-29-3 DATED 5 FEB 60. REQUEST YOUR ANA MAINTAIN CLOSE SURVEILLANCE OF THIS PROBLEM UNTIL ALL SHORTAGES HAVE BEEN LOCATED. REQUEST THIS HQ BE ADVISED WHEN ALL REQUIREMENTS FOR SCHEMES CITED IN REFERENCED MSG HAVE BEEN SATISFIED.
BT
11/1440Z FEB RJEDSQ

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P R 052120Z
FM ROAMA GRIFFISS AFB
TO RJFXBN/2872ND GEEIA SQDN TORREJON AB
RJFXDU/875 ACWRON ROSAS SPAIN
RJFXDU/876 ACWRON BENIDORM SPAIN
RJFXDU/65TH AD TORREJON AB SPAIN
RJFXDU/16TH AF TORREJON AB SPAIN
RJWXBR/HQ SAC OFFUTT
RJEDSQ/HQ AMC WPAFB
BT
U N C L A S E F T O FROM ROSXWE-2-29-E ACTION ZEUSF 2872ND GEEIA SQDN
INFO GEEIA HQ /ROZISC/, EUROPEAN GEEIA RGN, 875TH AC&W SQDN, 876TH
AC&W SQDN, 65TH AD AND 16AF HQ USAF AFOAC HQ AMC. YOUR
ZEUSF-1-108-E AND SAC DM3A6-10942. SCHEME CE56-JUS-ROS-AMCMA-96-HT,
CESD CO52312. ITEMS 1, 1 EA, 2, 8, 14 AND 15 HAVE BEEN LOCATED AT
ROME. ITEMS 5, 6 AND 7 THE EUROPEAN GE DEPOT HAS BEEN REQ TO SHIP
THESE ITEMS ON RON 93429976 TO ZARAGOZA M/F SCHEME, F/M/F: 875TH
AC&W SQDN, ROSAS. SCHEME CE56-JUS-BEN-MA-79-HT, CESD CO52313, ITEMS
1, 13, 14, 15 AND 19 LOCATED AT ROME. AS INDICATED BY ROAMA MSG
RONCCC-7-29-E DTD 3 AUG 59 TO G E CC AT MADRID INFO YOUR HQ. GE WAS
AUTHORIZED TO RELEASE AND YOUR HQ AUTH TO OBTAIN ITEM 17 F
MADRID DEPOT. REQ THIS AMA (ROSXWE) BE ADVISED WHETHER OR NOT
AVAIL MATERIAL SHOULD BE SHIPPED TO END LOCATIONS OR TO TORREJON.
EVERY EFFORT IS BEING EXPENDED TO LOCATE REMAINING ITEMS AND YOU
WILL BE ADVISED NLT 9 FEB 60 OF STATUS AND FURTHER COMMENTS ON
YOUR MSG
BT
05/2120Z FEB RJEZGF

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UNCLAS/EFTO

PRIORITY
ROUTINE-COURIER X AF ROSXWE-2-29-E UNCLAS

2872ND GEEIA SQDN (AMC) TORREJON AB SPAIN

ENCRYPT FOR TRANSMISSION ONLY

ROAMA, GRIFFISS AFB, NEW YORK, N.Y.

INFO: HQ USAF, WASHINGTON DC
HQ SAC OFFUTT AFB, NEBRASKA
HQ AMC WRIGHT PATTERSON AFB, OHIO
HQ GEEIA, ROME AFB, NEW YORK, N.Y.
EUROPEAN GEEIA REGION, WIESBADEN AB, GERMANY
65AD, TORREJON AB, SPAIN (COURIER)
16AF, TORREJON AB, SPAIN (COURIER)
375 ACWRON, ROSAS, SPAIN
876 ACWRON, BENIDORM, SPAIN

UNCLAS/E F T O/ZEUSF-2 -34-E . ACTION: CESAC (ROSXWE). INFO: HQ USAF (AFOAC), HQ SAC (DM), HA AMC, HQ GEEIA (ROZISC) EUCR (ZES), 65AD, 16AF, 375 ACWRON AND 876 ACWRON. THIS IS A SPANISH AC&W MESSAGE. REFERENCE ROAMA MSG ROSXWE-2-29-E, 5 FEBRUARY 1960. SUBJECT: BENIDORM AND ROSAS CE SCHEME SHORTAGES. SHIP ALL SHORTAGES FOR CE SCHEMES LISTED IN YOUR REFERENCED MESSAGE BY PRIORITY AIR TO TORREJON AB MARKED FOR RE-SHIPMENT TO END LOCATION. 2872ND GEEIA SQUADRON WILL MONITOR FINAL SHIPMENT FROM TORREJON TO ROSAS AND BENIDORM AC&W SITES.

9 1100
FEB 1960

GEEIA/ld.

OSCAR C. WEAVER, MSGT, USAF
2623/25 1 1

CHARLES A. AUGUSTINE
CAPTAIN, USAF
CHIEF ADMINISTRATIVE SVCS

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UNCLAS/EFTO

PRIORITY
ROUTINE-COURIER X AF

2872ND GEEIA SQDN (AMC) TORREJON AB SPAIN

ROAMA GRIFFISS AFB, NEW YORK

ENCRYPT FOR TRANSMISSION ONLY

INFO: USAF, WASHINGTON D.C.
SAC, OFFUTT AFB, NEBRASKA
AMC, WRIGHT PATTERSON AFB, OHIO
HQ GEEIA, GRIFFISS AFB, NEW YORK
EUROPEAN GEEIA REGION, WIESBADEN AB, GERMANY
16AF, TORREJON AB SPAIN (COURIER)
65AD, TORREJON AB SPAIN (COURIER)

UNCLAS/E F T O/FROM ZEUSF-2 -106-E . ACTION: CESAC (ROSXWE). INFO: HQ USAF (AFOAC), SAC (DM), AMC (MCSDS), HQ GEEIA (ROZISC), EUGR (ZES), 16AF, 65AD. THIS IS A SPANISH AC&W MESSAGE. SUBJECT: BENIDORM AND ROSAS AC&W SHORTAGES. SHORTAGES FOR HEIGHT FINDER CE SCHEMES AT SUBJECT AC&W SITES SHIPPED ON FOLLOWING SHIPPING DOCUMENTS FOR CE56-JUS-BEN-MA-79-HT CESD C052313, DOCUMENT NO. 00439975 AND 0047996, CE56-JUS-ROS-MA-96-HT CESD C052312, DOCUMENT NUMBERS 00439977, 00439978 AND 00439900, WERE RECEIVED AT TORREJON AB, SPAIN BY THIS ORGANIZATION ON 25 FEB 60 AND DISPATCHED TO END LOCATION SAME DATE. MATERIAL REACHED END LOCATION ON 26 FEB 60. 29 1500 FEB 60

GEEIA/tm

OSCAR C. WEAVER, MSGT, USAF
2623/25 1 1

CHARLES A. AUGUSTINE
CAPTAIN, USAF
CHIEF ADMINISTRATIVE SVCS

UNCLAS/EFTO

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PRIORITY

AF . ZEUSF-1-100-E Unclas

EUR GEEIA REG WIESBADEN AB GER

GEEIA GRIFFISS AFB ROME N Y

Unclassified. From ZEC 2-24-E. ATTN: ROZI.
Personal to Colonel LINDSTRAND from C S DAYHOFF. Reference 2872nd GEEIA Sq msg to ROAMA, dated 20 Jan 60. Info Hq GEEIA, cite ZEUSF-1-100-E. Personal discussions with Colonel TICE, Commander of 65th ADIV. and personnel of Eur GEEIA Reg indicates situation cited in referenced message is causing considerable embarrassment to GEEIA. As stated in referenced msg each attempt to obtain proper shipment of missing items appears to be futile. Recommend GEEIA physically inspect items prior to shipment to insure items 8 through 13 required for elevation motor are in fact the items being shipped. Any assistance in resolving this difficulty will be appreciated.

Coordinated: _____

_____ FEB 1960

ZEC

ROBERT W FOX. Lt Col USAF
5207 1 1

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COPY OF LETTER FROM HQ MAAMA

MAMNT 2 October 1956

SUBJECT: Spain AN/GPA-27 Installations

TO: Commander
Rome Air Force Depot
ATTN MRM-2P (Mr. Ed Benditzky)
Griffiss Air Force Base, New York

1. Reference is made to attached correspondence and particularly to that comment contained in Bendix Radio letter, dated 13 September 1956, to the effect that "The Spain Installation should therefore be considered standard 'temperate' installations for procurement purposes". This comment is applicable to temperate AN/GPA-58 installations only and applies to Sites W-2, W-3, W-4, W-5 and W-7 only. At Site W-1 an arctic AN/GPA-58 will be required. For purposes of review, sites W-6 and W-8 will require an arctic AN/FPS-20.

2. This and the attached correspondence should clarify the required procurement for the Spain program. It is requested that this Headquarters be advised of any further action required.

3. Your comments are invited.

FOR THE COMMANDER:

/s/t/ANTHONY A. MANNING
Act Chief, Ground Comms Division
Directorate of Maint Engineering

1 Incl
Ltr to 16th AF dtd 17 Sep 56 Subj; Ltr of Transmittal, w/4 incls

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C O P Y

HEADQUARTERS
ROME AIR MATERIEL AREA
United States Air Force
Griffiss Air Force Base, New York

REPLY TO
ATTN OF: ROSXWE

SUBJECT: 56-JUS-SOL-MA-98-GI, CESD C054095

TO: 2872nd GEEIA Squadron, Torrejon AB, Spain 24 September 1959
APO 283, New York, New York

1. This scheme has been placed in the shipping cycle, less the AN/GPX-20, which is presently in maintenance for repair action and will be shipped on completion of work order.

2. This is to advise that the materiel required date of 1 October 1959 for items in shipping cycle will not be met. A new materiel required date of 15 October 1959 has been established and every effort will be made to meet this date.

FOR THE COMMANDER:

s/W.C. LANGLEY
t/JOHN J. WARD
Chief, CESAC Division

Copies to:

European GEEIA Regn,
APO 633, New York, NY

16th AF, Torrejon AB, Spain
APO 283, New York, NY

880th ACW Station, Soller Spain

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PRIORITY
ROUTINE-COURIER X AF ROSXWE-7-56-E UNCLAS

2872ND GEEIA SQDN (AMC) TORREJON AB SPAIN
ROAMA GRIFFISS AFB, NEW YORK

ENCRYPT FOR TRANSMISSION ONLY

INFO: HQ GEEIA GRIFFISS AFB, NEW YORK
EUROPEAN GEEIA REGION, LINDSEY AB, GERMANY
16AF, TORREJON AB SPAIN (COURIER)
65AD, TORREJON AB SPAIN (COURIER)

UNCLAS/E F T O/FROM EUSMF-10-59-E. ACTION: CESAC, INFO: HQ GEEIA, EUGR, 16AF, 65AD. REFERENCE YOUR LETTER ROSXWE, SUBJECT 56-JUS-SOL-MA-98GI, DTD 24 SEPT 59 AS OF 2400Z, 15 OCT 1959, EQUIPMENT FOR SCHEME 48-S2-UL44-3A01K-X-1152-453A7-A AND 48-S2-UL44-3A01K-X-1152-453B7-A WAS NOT ON SITE OR IN SPAIN. INSTALLATION TEAM IS ON SITE. THIS EQUIPMENT WAS ORIGINALLY PROMISED FOR 30 AUG 59 ON YOUR ROSXWE-7-56-E. YOU ARE ONCE AGAIN REMINDED THAT YOUR CONTINUAL DELAYS IN SHIPMENT ARE JEOPARDIZING THE SUCCESSFUL INSTALLATION OF THIS SITE. THIS ORGANIZATION PLANS INSTALLATION BASED ON YOUR FORECASTS AND COMMITS ITS RESOURCES AND MAN POWER PLUS THE RESOURCES OF 16AF AND 65AIR DIVISION ON THE ASSUMPTION THAT YOU CAN MEET OBLIGATIONS. REQUEST YOU TAKE IMMEDIATE ACTION TO INSURE ARRIVAL OF EQUIPMENT AS SCHEDULED AND REQUIRED. 16 0930 OCT 59

GEEIA/tm
EDWARD A. BECK, RES ENG, DAFC
2623 1 1

CHARLES A. AUGUSTINE
CAPTAIN, USAF
CHIEF ADMINISTRATIVE SVCS

UNCLAS/EFTO

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UNCLAS/E F T O/

PRIORITY
ROUTINE-COURIER X AF

ROSXWE-10-55-E UNCL/
EUSMF-8-24-, EUSMF-9-64
EUSMF-9-73

2872ND GEEIA SQUADRON (AMC), TORREJON, AB, SPAIN

ROAMA, GRIFFISS AFB, NEW YORK, N.Y.
HQ GEEIA, GRIFFISS AFB, NEW YORK, N.Y.

ENCRYPT FOR TRANSMISSION ONLY

INFO: EUROPEAN GEEIA REGION, LINDSEY AS, WIESBADEN, GERMANY
16TH AIR FORCE, TORREJON AB, SPAIN (COURIER)
65TH AIR DIVISION, TORREJON AB, SPAIN (COURIER)

UNCLAS/EFTO/FROM EUSMF-10 -69-E. ACTION: CESAC, GEEIA. INFO: EUGR, 16AF, AND 65AD. THIS IS A SPANISH AC&W MESSAGE. REFERENCE YOUR ROSXWE-10-55-E, 15 OCTOBER 1959 AND MY EUSMF-8-24, EUSMF-9-64-E AND EUSMF-9-73-E. SUBJECT: CE29-S2-UL44-2A01K-R-1155-594A8-A CESD A1600229. FORMERLY, CE259-16-UL44-1155-MA-92A7. MRD OF 1 DECEMBER NOT ACCEPTABLE. REQUEST YOU MAKE NO FURTHER ARBITRARY CHANGES IN MRD'S FOR THIS PROGRAM, NO FURTHER SLIPPAGE IN INSTALLATION SCHEDULE CAN BE TOLERATED DUE TO ADVERSE WEATHER CONDITIONS. ALL CONSTRUCTION IS COMPLETE. TEAM IS ON SITE. WE REQUIRE MATERIAL AT ONCE. ALL DELAYS NOW INCURRED WILL BE THE DIRECT RESPONSIBILITY OF CESAC.

20 1210
OCT 1959

GEEIA/ld.

EDWARD A. BECK, DAFC, RESIDENT ENG.
2623 1 1

CHARLES A. AUGUSTINE
CAPTAIN, USAF
CHIEF ADMINISTRATIVE SVCS

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PRIORITY
ROUTINE-COURIER X AF ROZISC

2872ND GEEIA SQDN (AMC) TORREJON AB SPAIN

HQ GEEIA, GRIFFISS AFB, NEW YORK, N.Y. ENCRYPT FOR

INFO: ROAMA, GRIFFISS AFB, NEW YORK, N.Y. TRANSMISSION
EUROPEAN GEEIA REGION, LINDSEY AS, WIESBADEN, GERMANY
16TH AIR FORCE, TORREJON AB, SPAIN (COURIER) ONLY
65TH AIR DIVISION, TORREJON AB, SPAIN (COURIER)

UNCLAS/E F T O/FROM EUSMF-10 -111-E . ACTION: HQ GEEIA (ROZISC) AND (ROZICN). INFO: CESAC, EUGR, 16AF, AND 65AD. THIS IS A SPANISH AC & W MESSAGE IN TWO PARTS. PART ONE FOR ROZISC. REFERENCE YOUR ROZISC-10-77-E. REQUEST SCHEME 29-S2-UL44-2A01K-R-1155-594A8-A, CESD 1600229 BE AIRLIFTED ON 1 NOVEMBER 1959 TO DESTINATION. PART TWO FOR ROZICN. REQUEST YOU CO-ORDINATE WITH ROZISC AND EXPLAIN COMMITMENTS MADE DURING JULY AC&W PHASING MEETING HELD AT TORREJON. WE ARE MOST CONCERNED OVER ITEMS THAT ARE REQUIRED ON SITE PRIOR TO ONSET OF BAD WEATHER. AVAILABLE TIME LEFT FOR OUTSIDE PLANT WORK EXTREMELY SHORT. DELAYS IN RECEIPT OF MATERIAL WILL NEGATE TIME PHASE PLAN TO COMPLETE OUTSIDE WORK IN TIME. FIRST SEVERE STORM HAS ALREADY HIT WITH RAINFALL OF 29.5 INCHES IN 27 HOURS. URGENTLY

28 1645
OCT 1959

GEEIA/ld.

EDWARD A. BECK, DAFC, RESIDENT ENG. CHARLES A. AUGUSTINE
2623 1 2 CAPTAIN, USAF
CHIEF ADMINISTRATIVE SVCS

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PRIORITY
ROUTINE-COURIER X AF

ROSXWE-10-105-E
ROSXWE-7-56-E UNCLAS

2872ND GEEIA SQDN (AMC) TORREJON AB SPAIN

ROAMA, GRIFFISS AFB, NEW YORK, N.Y.

ENCRYPT FOR TRANSMISSION ONLY

INFO: HQ GEEIA, GRIFFISS AFB, NEW YORK, N.Y.
EUROPEAN GEEIA REGION, WIESBADEN, GERMANY
16TH AIR FORCE, TORREJON AB SPAIN (COURIER)
65TH AIR DIVISION, TORREJON AB, SPAIN (COURIER)
880TH ACWRON, SOLLER, SPAIN

UNCLAS/E F T O/FROM EUSMF-11-15. ACTION: CESAC. INFO: HQ GEEIA (ROZISC), EUGR, 16AF (DOCEP), 65AD AND 880 ACWRON. THIS IS A SPANISH AC & W MESSAGE. REFERENCE YOUR ROSXWE-10-105-E, ROSXWE-7-56-E WHICH IS PARTIALLY QUOTED BELOW AND VISIT TO THIS ORGANIZATION OF MR. WILLIAM THIELE, BENDIX DIRECTOR, EUROPEAN GEEIA REGION. YOUR ROSXWE-7-56-E IS QUOTED AS FOLLOWS QUOTE FOR MR. R. HILL ROAMA REPR/ 16AF REFERENCE CE57-JUS-SOL-AMCMA-98A-GI: 580120 MR BONNAMASSA PRIME CLASS THIS DEPOT HAS ASSURED US HARDWARE KIT WOULD BE INCLUDED WITH THE AN/MPS-7 FOR THIS SCHEME AND DEAD LINE DATE OF 1 AUGUST 59 WOULD BE MET. UNQUOTE. YOUR ROSXWE-10-105-E STATES AS FOLLOWS, QUOTE SCHEME CE57-JUS-SOL-AMCMA-98A-GI C580120 SHIPPED TO BENDIX 5 NOV 1959

GEEIA/ld.

EDWARD A. BECK, DAFC RESIDENT ENG.
2623/25 1 2

CHARLES A. AUGUSTINE
CAPTAIN, USAF
CHIEF ADMINISTRATIVE SVCS

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2872ND GEEIA SQUADRON (AMC) TORREJON AB, SPAIN

FOR OVERHALL FOR RESHIPMENT TO SITE ON COMPLETION. WE HAVE RECEIVED WORD THROUGH PRIME CLASS, OVERHALL OF MPS-7 COMPONENTS WILL NOT BE COMPL FOR 30 DAYS UNQUOTE. MR THIELS OF BENDIX STATED THAT AS OF 22 OCTOBER 1959 THE SCELLER MPS-7 HAD NOT REPEAT NOT BEEN RECEIVED BY THE BENDIX DETCT FOR OVERHALL AND RE-SHIPMENT. IN VIEW OF THE ABOVE INFORMATION IT IS APPARENT THAT THIS HAS NOT BEEN A COORDINATED OPERATION. ONCE AGAIN YOU ARE REMINDED OF THE URGENT REQUIREMENT FOR THE ANTENNA, PEDESTAL AND BP-613 SO THAT OUTSIDE PLANT WORK CAN BE COMPLETED. IF THESE ITEMS ARE COMPLETE AND AVAILABLE FOR SHIPMENT REQUEST AIRLIFT AT ONCE. REQUEST REPLY BY RETURN PRIORITY WIRE.

GEEIA/ld. 2 2 UNCLASSIFIED/F F T C/ CAA

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ROUTINE X AF MAMNP 12-1-178-E UNCLAS

CHIEF SPAIN AIR LOGISTICS OFFICE, MADRID, SPAIN

COMDR MAAMA, OLMSTED AFB, PA.

UNCLAS FROM ELM-59-1-16-E FOR MAMNP. REURMSG MAMNP-12-178-E, FOLLOWING IS A RERUN OF MESSAGE DOCEP N1727 SUBJECT: CALL-UP OF CE SCHEMES FOR GORA MAKIL AND SOLLER ACW SITES, SPAIN. FOR MAAMA REPRESENTATIVE. THIS MESSAGE IN FOUR PARTS. PART I. REQUEST YOUR HQS TAKE NECESSARY ACTION TO SHIP ALL, REPEAT ALL, CURRENT CE SCHEME MATERIALS FOR GORA MAKIL (W-6) AND SOLLER (W-7) ACW SITES, IN ACCORDANCE WITH PARAGRAPH 4-12G, T.O. 31-1-8, TO ARRIVE IN SPAIN BY 1 JULY 1959. PART II. CURRENT CE SCHEMES FOR GORA MAKIL AS OF THIS DATE ARE AS FOLLOWS:

458-16-IJ03-1152-AMCMA-52A7

258-16-IJ03-1152-AMCMA-22A7

458-16-IJ03-1152-AMCMA-53A7

458-16-IJ03-1152-AMCMA-51A7

CE-57-JUS-COM-AMCMA-100-SR

259-16-IJ03-1152-AMCMA-75A7

ELMT 5 JAN

R.T. MIRANDA, MAAMA REP.
572800/309 1 2

DONALD E. SOWLE
Colonel, USAF
Chief

UNCLASSIFIED

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CHIEF SPAIN AIR LOGISTICS OFFICE, MADRID, SPAIN

259-16-IJ03-1152-AMCMA-88A7

160-16-IJ03-5344-AMCMA-012A8

160-16-IJ03-6311-AMCMA-013A8

160-16-IJ03-6314-AMCMA-014A8

160-16-IJ03-6656-AMCMA-015A8

PART III. THE CURRENT CE SCHEMES FOR SOLLER AS OF THIS DATE ARE AS FOLLOWS:

CE56-JUS-SOL-AMCMA-98GI

CE56-JUS-SOL-AMCMA-98AGI

CE57-JUS-SOL-AMCMA-34GI

CE57-JUS-SOL-AMCMA-34AGI

CE56-JUS-SOL-AMCMA-99HT

CE56-JUS-SOL-AMCMA-112VM

158-16-UL44-1152-AMCMA-20A7

CE57-JUS-SOL-AMCMA-77SR

360-16-UL44-1155-AMCMA-92A7

360-SAO-UL44-6314-AMCMA-018A8-360

360-SAO-UL44-6311-AMCMA-017A8-360

360-SAO-UL44-6656-AMCMA-027A8-360

360-SAO-UL44-5344-AMCMA-016A8-360

360-SAO-UL44-1152-AMCMA-276A8-360

PART IV. REQUEST YOU ADVISE THE PROPER AGENCIES THAT SHIPPING INSTRUCTIONS FOR ALL SOLLER (W-7) SITE CE SCHEME MATERIALS BE AMENDED TO READ: SHIP TO: TRO 3970 AIR BASE GROUP, TORREJON SPAIN, MARK FOR: 880TH ACWRON, SOLLER, SPAIN

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C O P Y

M 101430Z SEP
FM COMDR GEEIA GRIFFISS AFB
TO RJFPBN/COMDR EUROPEAN GEEIA REGN LINDSEY AB
INFO RJFXBN/COMDR 2872D GEEIA SQDN TORREJON AB
BT
UNCLAS FM ROZISC-9-67-E. CE SCHEME 29-S2-UL44-2A01K-R-MA-92-A CESD NUMBER A600229. SHIPPING INSTRUCTIONS ABOVE SCHEME HAVE NOT REPEAT NOT BEEN RECEIVED TO DATE AS REQUIRED BY GEEIA REGULATION 100-6. REQUEST YOUR INSTRUCTIONS INCLUDE NAME OF RPO AS REQUIRED BY CESAC. PLEASE EXPEDITE.
BT
10/1558Z SEP RJEZGF

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ROZISC-9-196-E
EUSMF-8-24
PRIORITY
COURIER X AF ROZISC-9-67-E UNCLAS
EUSMF-9-64-E

2872ND GEEIA SQDN (AMC) TORREJON AB SPAIN

ENCRYPT FOR

HQ GEEIA GRIFFISS AFB, NEW YORK
ROAMA GRIFFISS AFB, NEW YORK
EUROPEAN GEEIA REGION, LINDSEY AB, GERMANY

TRANSMISSION

ONLY

INFO: 16AF, TORREJON AB SPAIN (COURIER)
65AD, TORREJON AB SPAIN (COURIER)

UNCLAS/E F T O/FROM EUSMF-10-22-E . ACTION: ROZISC, CESAC, EUGR. INFO: 16AF, 65AD. SUBJECT: SCHEME 29-S2-UL44-2A01K-R-1155-594A8-A. THIS IS A SPANISH AC&W MESSAGE IN THREE PARTS. PART ONE. FOR ROZISC. REFERENCE YOUR ROZISC-9-196-E. THIS SCHEME ORIGINALLY CALLED UP BY 16AF ON 19 DEC 1958. SCHEME WAS AGAIN CALLED UP FOR RPO SHIPMENT ON 3 AUG 1959 ON MY EUSMF-8-24, IN REPLY TO YOUR ROZISC-9-67-E SCHEME WAS AGAIN CALLED UP ON 15 SEPT 1959 ON MY EUSMF-9-64-E. CALL UP WAS RECONFIRMED TO YOU ON 18 SEPT 1959 ON MY EUSMF-9-73-E. FURTHER, SHIPPING INSTRUCTIONS ARE CONTAINED IN SCHEME DATED 8 JULY 1959, MIDDLETOWN GEEIA REGION TWO COPIES OF WHICH WERE FURNISHED ROZIS. PROVISIONS OF 100-6 HAVE BEEN FULLY COMPLIED WITH. CESAC ADIVSES IN THEIR 18 1100 OCT 59

GEEIA/tm

EDWARD A. BECK, RES ENG, DAFC
2623 1 2

CHARLES A. AUGUSTINE
CAPTAIN, USAF
CHIEF ADMINISTRATIVE SVCS

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2872ND GEEIA SQDN (AMC) TORREJON AB SPAIN

ENCRYPT FOR TRANSMISSION ONLY

ROSXWE-9-91-E IN WHICH THIS ORGANIZATION AND ROZISC ARE ACTION ADDRESSEES THAT THEY ARE PREPARED TO SHIP UPON RECEIPT OF SHIPPING INSTRUCTIONS. REQUEST YOU TAKE IMMEDIATE ACTION TO ASSURE PROMPT SHIPMENT. INSTALLATION TEAM IS ON SITE WAITING SCHEME MATERIAL. PART TWO. FOR CESAC. ADVISE ETA SCHEME AT SOLLER OR TORREJON. AIR REPEAT AIR SHIPMENT NOW REQUIRED. PART THREE. FOR EUCR. REFERENCE YOUR EUCRI-9-319-E. DO NOT UNDERSTAND YOUR 1 NOV 59 DATE. REQUIRED DATE IS ASAP. REQUEST ALL ADDRESSEES MAKE EVERY EFFORT TO HAVE THIS EQUIPMENT SHIPPED AT ONCE.

GEEIA 2 2 UNCLAS/EFTO EAB

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C O P Y

HEADQUARTERS
Ground Electronics Engineering Installation Agency
United States Air Force
Griffiss Air Force Base, New York

REPLY TO
ATTN OF: ROZISM

15 September 1959

SUBJECT: Pre-assembly CE Schemes

TO: European GEEIA Region
APO 633, New York, New York

1. The following is a list of old pre-assembly schemes on which there are outstanding requirements.

DESIGNATOR	CESD NR.
CE56-JUS-ROS-MA-96-HT	052313
CE57-JUS-VIL-MA-85-SR	053979
CE58-JUS-GOM-MA-100-SR	053989
CE56-JUS-TOR-MA-166-SR	056563
CE56-JUS-BEN-MA-79-HT	052313
CE57-JUS-INO-MA-91-SR	053984

2. Request your headquarters review the above schemes and accomplish one of the following:

a. Submit shipping instructions IAW GEEIA Regulation 100-6, if material is required.

b. Submit a notice of cancellation, if material is not required.

3. Information requested should arrive at this headquarters no later than 5 October 1959.

FOR THE COMMANDER:

DONALD A. BOLGER
Lt Col, USAF
Chief CE Mtel Support Div

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COPY

ROUTINE
ROUTINE X AF

2872ND GEEIA SQDN (AEC) TORREJON AS SPAIN

HQ GEEIA GRIFFISS AFB, NEW YORK

INFO: EUROPEAN GEEIA REGION, LINDSEY AS, GERMANY

ENCRYPT FOR TRANSMISSION ONLY

UNCLAS/E F T O/FROM USMF-10-35-E. ACTION: HQ GEEIA. INFO: EUGR. THIS IS A SPANISH ACSM MESSAGE. REFERENCE LETTER ROZISM. SUBJ CT: PRE-ASSEMBLY OF CE SCHEMES DTD 15 SEPT 59. ALL SCHEMES IN REFERENCED LETTER ARE ACTIVE AND HAVE KNOWN SUPPLY SHORTAGES. REQUEST IMMEDIATE SHIPMENT OF ALL ITEMS BEING HELD VIA AIR. DO NOT UNDERSTAND YOUR REQUIREMENT FOR NEW SHIPPING INSTRUCTIONS. REQUEST YOU USE INSTRUCTIONS SUPPLIED BY MAAMA ON ORIGINAL SHIPMENT. THESE ARE STILL VALID. GEEIA REG 100-6 DTD 4 MAY 1959 PERTAINS TO NEW SCHEMES BEING CALLED UP ONLY

14 0940
OCT 59

GEEIA/tm
EDWARD A. BECK, RTS ENG, DAFC
2623/25 1 1

UNCLAS/EFTO

CHARLES A. AUGUSTINE
CAPTAIN, USAF
CHIEF ADMINISTRATIVE SERVICES

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C O P Y

DE RJEZGF 163A
M 011300Z ZEX
FM GEEIA GRIFFISS
TO RJFXBN/2872 GEEIA SQ
INFO RJFPBW/EURO GEEIA REG
BT
UNCLAS RO2ISC-9-196-E
ACTION EUSMF FOR 2872 GEEIA SQDN INFO EUROPEAN GEEIA REGION, AND ROAMA, YOUR EUSMF-9-73-E, DATED 27 SEPTEMBER 59. MATERIAL REQUIRED DATE 5 OCTOBER 59 IS UNREALISTIC. REFERENCE GEEIA REGULATION 100-6 REQUIRES THAT SHIPPING INSTRUCTIONS BE FORWARDED TO THIS HEADQUARTERS 90 DAYS PRIOR TO MATERIAL REQUIRED DATE UNLESS USAF EMERGENCY ACTION APPROVAL HAS BEEN OBTAINED. EUROPEAN GEEIA REGION MESSAGE EURGRI 9-319-E, NOTAL DATED 23 SEPTEMBER ESTABLISHED MATERIAL REQUIRED DATE OF 1 NOVEMBER 59 FOR SCHEME CITED IN YOUR MESSAGE. CESAC WILL ENDEAVOR TO MEET THIS DATE BUT NO COMMITMENT CAN BE MADE AT THIS TIME.
BT
01/1516Z OCT RJEZGF

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C O P Y

R 151518Z
FM ROAMA GAFB
TO RJFXBN/2872ND GEEIA SQ TORREJON AB
INFO RJFPBW/EUROPEAN GEEIA RGN LINDSEY AB
RJFXBN/16TH AF TORREJON AB
RJFKDU/65TH AIR DIVISION TORREJON AB
BT
UNCLAS FROM ROSXWE-10-55-E
SCHEME 29-S2-UL44-2A01K-R-1155-594A8-A A1600229 SUBJECT SCHEME RECEIVED THIS OFFICE 6 AUG 1959 DUE TO DELINQUENT SUBMISSION THE REQUEST FOR SHIPMENT OF THIS SCHEME OF LESS THAN THE 90 DAY LEAD TIME AND THE TRANSITION THIS OFFICE IS PRESENTLY UNDERGOING IN LINE WITH THE FILE COMPUTER SYSTEM AS OUTLINED IN ROSX-9-23-E THE MRD OF 1 NOV 59 WILL NOT BE MET DUE TO THE FOREGOING FACTS A NEW MRD OF 1 DEC HAS BEEN ESTABLISHED EVERY EFFORT WILL BE MADE TO MEET THIS DATE.
BT
15/1649Z OCT RJEZGF

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C O P Y

R M 20 OCT 59
FM COMDR ROAMA GAFB NY
TO 2872 GEEIA SQ TORREJON AB SPAIN
INFO EUR GEEIA REG LINDSEY AFB GER
ZEN/GEEIA GAFB NY ATTN: ROZISC.
BT
U N C L A S E F T O FM ROSXWE-10-73-E FOR: EUSMF. YOUR EUSMF-10-34-E. SCHEME 360-SAC-UL44-6311-AM-017A8, C591940. ITEMS 1 AND 2 OF SUBJ SCHEME HAVE BEEN CHANGED TO INDICATE AN/FGC20 AND AN/FGC25 TELETYPEWRITER WITH AN AVAILABILITY DATE OF 360. SHIPPING ACTION WILL BE TAKEN UPON RECEIPT SHIPPING INSTRUCTIONS FROM HQ GEEIA, THIS AMA. REQ YOU SUBMIT SHIPPING INSTRUCTIONS TO HQ GEEIA (ROZDSC) 90 DAYS PRIOR TO REQUIRED DATE ON SITE.
BT
21/0850Z OCT 59 D.D.H.

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UNCLAS/E F T O

PRIORITY
ROUTINE X AF

ENCRYPT FOR TRANSMISSION ONLY

2872ND GEEIA SQDN (ANC) TORREJON AB SPAIN

ROAMA, GRIFFISS AFB, NEW YORK, N.Y.
HQ GEEIA, GRIFFISS AFB, NEW YORK, N.Y.

INFO: EUROPEAN GEEIA REGION, LINDSEY AS, WIESBADEN, GERMANY

UNCLAS/E F T O/FROM EUSMF-10-102-E . ACTION: CESAC AND HQ GEEIA, (ROZDSC AND ROZISC). INFO: USGR. THIS IS A SPANISH AC&W MESSAGE. REFERENCE ROSXME-10-73-E. SHIPPING INSTRUCTIONS ISSUED ON SCHEME 360-SAO-UL44-6311-MA-017A8, C 591940 ON THREE PREVIOUS OCCASIONS. DO NOT UNDERSTAND CONTINUAL REQUESTS FOR SHIPPING INSTRUCTIONS WITH ADDITIONAL 90 DAY LAG TIME. FOR INFORMATION OF ALL CONCERNED SHIPPING INSTRUCTIONS FOR ALL UL44 (SOLLER, SPAIN) SCHEMES ARE REPEATED: DATE REQUIRED AT END LOCATION: 1 NOVEMBER 1959. RFO NOMINATION: CAPT. PAUL E. MULRENIN, COMMANDER 2872ND GEEIA SQDN, TORREJON AFB, SPAIN. SHIP TO: TRANSPORTATION OFFICER, TORREJON AFB, SPAIN, M/F 880 AC & W SQUADRON, SOLLER, SPAIN. TRANSPORTATION PROBLEMS. EQUIPMENT MUST BE TRANSHIPPED FROM SPAIN TO ISLAND OF MALLORCA. 2872ND GEEIA SQUADRON MUST HAVE SUFFICIENT ADVANCE INFO TO

27 1605
OCT 1959

GEEIA/ld.

EDWARD A. BECK, DAFC. RESIDENT ENG.
2643/25 1 2

CHARLES A. AUGUSTINE
CAPTAIN, USAF
CHIEF ADMINISTRATIVE SVCS

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2872ND GEEIA SQUADRON (AMC), TORREJON AB, SPAIN

CO-ORDINATE MOVEMENT. SHIPPING DOCUMENTS TO 2872ND GEEIA SQUADRON WITH COPY TO EUROPEAN GEEIA REGION, ATTN: EUGR.

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C O P Y

PR 012140Z ZEX
FM ROAMA
TO RJFXBN/2872ND CEEIA SQDN TORREJON AB SPAIN
BT
UNCLAS FROM ROSXHA1-12-15;-E ACTION TO EUSMF/2872ND/. INFO TO EUGR
CE SCHEME CE56-JUS-SOL-AMCMA-99-HT CESD C053991 IS CURRENTLY BEING
PROCESSED FOR ATTEMPT TO RELEASE BACK ORDER ITEM /S/ FOR SHIPMENT
FOLLOWING ITEMS ARE AVAILABLE FOR RELEASE L/I 2; REQUEST THIS
ACTIVITY BE ADVISED WITHIN 5 DAYS IF ITEMS ARE STILL REQUIRED FOR
IMPLEMENTATION OF INSTALLATION OR ACTION DESIRED IE / HOLD FOR FUTURE
SHIPMENT CANCEL NO LONGER REQUIRED /OA DOLLAR ETC/ REQUEST NAME OF RPO
AND MAILING ADDRESS FURTHER REQUEST CURRENT SHIPPING INSTRUCTIONS
INCLUDING MATERIAL REQUIRED DATE NAME OF SQDN COMDR AND RESPONSIBLE
PROPERTY OFFICER
BT
01/2251Z DEC RJFXGF

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UNCLAS/EFTO

ROUTINE
ROUTINE-COURIER X AF

2872ND GEEIA SQUADRON (AMC) TORREJON AB SPAIN

ROAMA GRIFFISS AFB, N.Y.

INFO: EUROPEAN GEEIA REGION, LINDSEY AB, GERMANY
16AF, TORREJON AB SPAIN (COURIER)
65AD, TORREJON AB SPAIN (COURIER)

ENCRYPT FOR TRANSMISSION ONLY.

UNCLAS/EFTO/FROM EUSMF-9 97-E . ACTION: CESAC INFO: EUGR, 16AF, 65AD. THIS IS A SPANISH AC&W MESSAGE. SPECIAL AIR-LIFT ARRIVED THIS STATION ON 20 SEPT 59 PLUS PARTIAL SHIPMENT ON 22 SEPT 59. SHIPMENT WAS NOT REPEAT NOT COURIER ACCOMPANIED. THIS IS A VIOLATION OF AGREEMENT MADE BETWEEN ALL CONFEREES AT AC&W PHASING GROUP MEETING HELD AT TORREJON ON 15 JULY 1959. AS PER THIS AGREEMENT ALL MATERIAL WAS COURIER ACCOMPANIED FROM TORREJON AFB TO EACH AC&W STATION.

25 1000
SEPT 59

GEEIA/tm

EDWARD A. BECK, RES ENG, DAFC
2623 1 1

CHARLES A. AUGUSTINE
CAPTAIN, USAF
CHIEF ADMINISTRATIVE SVCS

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UNCLAS/EFTO

ROUTINE
ROUTINE-COURIER X AF

2872ND GEEIA SQUADRON (AMC) TORREJON AB SPAIN

ROAMA GRIFFISS AFB, NEW YORK

INFO HQ GEEIA GRIFFISS AFB, NEW YORK
EUROPEAN GEEIA REGION, LINDSEY AB, GERMANY
16TH, TORREJON AB SPAIN (COURIER)
65TH AD, TORREJON AB SPAIN (COURIER)

ENCRYPT FOR TRANSMISSION ONLY

UNCLAS/EFTO/FROM/EUSMF-9-114-E : ACTION: CESAC. INFO: HQ GEEIA, EUGR, 16AF, 65AD. YOU HAVE SHIPPED WRONG ITEMS FOR SCHEME CE56-JUS-BEN-AMCMA-79HT AND CE56-JUS-ROS-AMCMA-96HT. MATERIAL BEING INVENTORIED. YOU WILL BE ADVISED OF ITEM BY ITEM ERRORS.

30 1300
SEPT 59

GEEIA/tm

EDWARD A. BECK, RES ENG, DAFC
2623 1 1

CHARLES A. AUGUSTINE
CAPTAIN, USAF
CHIEF ADMINISTRATIVE SVCS

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ROUTINE-COURIER X AF

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2872ND GEEIA SQDN (AMC) TORREJON AB SPAIN

ROAMA, GRIFFISS AFB, NEW YORK, N.Y.
EUROPEAN GEEIA REGION, WIESBADEN AB, GERMANY

INFO: HQ GEEIA, GRIFFISS AFB, NEW YORK, N.Y.
875 ACWRON, ROSAS, SPAIN
876 ACWRON, BENIDORM, SPAIN
65AD TORREJON AB, SPAIN (COURIER)
16AF TORREJON AB, SPAIN (COURIER)

UNCLAS/E F T O/FROM ZEUSF-1-108-E . ACTION: CESAC AND ZES. INFO: ROC, 875ACWRON, 876ACWRON, 65AD AND 16AF. REFERENCE MY EUSMF-11-81-E (NOTAL), ZEUSF-12-37-E, ZEUSF-12-132-E, ZEUSF-12-144-E, CESAC-ROSXWE-12-621-E, ROSXWE-12-47-E AND SCHEMES 48-S2-SV11-3A01K-X-1152-439A7-A CESD 052312 (FORMERLY CE56-JUS-ROS-AMCMA-96HT) AND 48-S2-BU61-3A01K-X-1152-396A7-A CE3D 052313 (FORMERLY CE56-JUS-BEN-AMCMA-79HT). THIS IS A SPANISH AC & W MESSAGE IN TWO PARTS. PART ONE FOR CESAC. FOLLOWING ITEMS STILL REQUIRED TO COMPLETE ROSAS AC&W STATION.

ITEM	NOMENCLATURE	PART NO	QUANTITY
1	RING PLATE	174B669P1	1

27 0900
JAN 1960

GEEIA/ld.

EDWARD A. BECK, DAFC, RESIDENT ENG.
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CHARLES A. AUGUSTINE
CAPTAIN, USAF
CHIEF ADMINISTRATIVE SVCS

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2872ND GEEIA SQUADRON (AMC) TORREJON AB SPAIN

ITEM	NOMENCLATURE	PART NO.	QUANTITY
2	BRACKET	147C955G1	2
3	PLATE	174B670P1	1
4	BRACKET	174B668P1	1
5	BRACKET	7410632-P1	1
6	CLAMP	7019727-P1	2
7	CLAMP	7019727-P2	2
8	FLYWHEEL	145C836G1	1
9	SETSCREW	H28P2501C	1
10.	SCREW, CAP. HEX	N23T24076	2
11	NUT, HEX	H227P29	2
12	WASHER, LOCK	AN 925-916L	2
13	CRANK ASSY	C770827G1	1
14	PACKING RING	7024258P-001	2
15	MASK	7705204P-001	2
16	POWER STAT	3340-064-4000200	1

EQUIPMENT RECEIVED AT ROSAS AS FOLLOWS: BOX 118 CONTAINING ONLY REPEAT ONLY MOTOR, ELEVATION 1800-021951500. ITEMS 8 THRU 13 WHICH ARE NORMALLY SHIPPED ASSEMBLED TO THE DRIVE MOTOR WERE NOT REPEAT NOT ASSEMBLED TO THE ELEVATION DRIVE MOTOR OR PACKED IN BOX 118. ELEVATION DRIVE MOTOR IS EXCESS. REQUEST DISPOSITION. ITEMS 8 THRU 13 ARE REQUIRED REQUEST PROMPT SUPPLY ACTION BOX 123, RECEIVED AND INSTALLED. BOX 128 NOT RECEIVED. CONTAINS ITEMS 1 THRU 4. THIS STILL REQUIRED. BOX 129, 2 EA RECEIVED. ONLY ONE

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2872ND GEEIA SQUADRON (AMC) TORREJON AB SPAIN

REQUIRED. ONE EXCESS. REQUEST DISPOSITION INSTRUCTIONS FOR EXCESS EQUIPMENT REQUIRED AT BENIDORM IS AS FOLLOWS:

ITEM	NOMENCLATURE	PART NO.	QUANTITY
1	FLYWHEEL	145C83601	1
2	WASHER, LOCK	AN935-816L	2
3	SCREW, SOCKET, SET	N28P25010	2
4	NUT, HEX	N227P29	2
5	CRANK ARM ASSY	C7703207G1	1
6	SCREW, CAP, HEX	N23T29076	2
7	HORN, OUTRIGGER TOP	W9797454P1	1
8	TIE ROD ASSY	178B771G1	1
9	BRACE	PL169B387P1	2
10	BRACE	PL169B388P1	2
11	CROSSBRACE	139B812P1	2
12	BRACE	PL169B386P1	2
13	RING PLATE	174B669P1	1
14	BRACKET	147C955P1	2
15	BRACKET	174B668P1	1
16	SUPPORT WAVEGUIDE	174B670P1	1
17	SWITCH, INTERLOCK	PL145C829G1	1
18	FLEX WAVEGUIDE	CG945/U 1800-024751060	1
19	FLEX WAVEGUIDE	CG1048/U 1800-024754030	1

EQUIPMENT RECEIVED AT BENIDORM IS AS FOLLOWS: BOX 100, TOOLS, REQUIRED AND INSTALLED; BOX 101, HARDWARE KIT, REQUIRED AND INSTALLED, BOX 118 CONTAINED ELEVATION DRIVE MOTOR ONLY, ITEMS 1 THRU 6

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2872ND GEEIA SQDN (AMC) TORREJON AB SPAIN

NOT INCLUDED IN BOX. BOX 124 CONTAINED HORN ASSY AND HORN YOKE BOTH NOT REQUIRED. BOX 128 CONTAINED AMPLIDYNE NOT REQUIRED. BOX 447 CONTAINED FLEX GUIDE CG-947, REQUIRED AND INSTALLED. MPL PACKING LISTS ATTACHED SHOW EQUIPMENT MANUFACTURED FOR CE UNDER CONTRACTS AF 30(635)7650 AND AF 30(635)5688. PART TWO FOR EUROTAPN GEEIA. THIS IS THE SIXTH ATTEMPT ON THE PART OF THIS ORGANIZATION AND THE DIRECTOR OF C&E. 65AD TO OBTAIN ITEMS LISTED IN PART ONE OF THIS MESSAGE. THIS ORGANIZATION REQUESTS YOUR ASSISTANCE AND THAT OF HQ GEEIA IN OBTAINING REQUIRED PARTS. IN THIS PARTICULAR CASE CESAC IS NOT FOLLOWING POLICY AS OUTLINED BY MR JOHN WARD AT BOTH THE GEEIA COMMANDERS CONFERENCE AT ROME AND AT THE AC&W PHASING GROUP MEETING HELD DURING GENERAL NEAL'S VISIT LAST JUNE. THIS POLICY WAS STATED AS FOLLOWS: QUOTE. CESAC WOULD TAKE INSTANT ACTION TO TRACE AND RE-SHIP ITEMS NOT THERE UNQUOTE. IT IS EVIDENT IN THIS CASE THAT CESAC HAS SERIOUSLY DIGRESSED FROM STATED POLICY. AT THE PRESENT TIME BOTH BENIDORM AND ROSAS AC&W STATIONS ARE COMPLETED EXCEPT FOR THE HEIGHT FINDING RADAR (AN/FPS-6). THIS ALLOWS THESE STATIONS TO PERFORM A LIMITED EW MISSION ONLY AND NO REPEAT NO GCI. THESE STATIONS REPRESENT A TOTAL INVESTMENT TO THE USAF OF OVER TEN MILLION DOLLARS (10,000,000,00 $) IN BOTH CE MATERIAL AND REAL PROPERTY. IN ADDITION THERE ARE APPROXIMATELY 400 OFFICERS, AIRMEN AND CTS ASSIGNED TO THESE STATIONS AT THIS TIME. A THREE THOUSAND DOLLARS SUPPLY DEFICIENCY IS KEEPING THIS STATION FROM FULL AND NECESSARY OPERATION ACCORDING TO MISSION PLAN.

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2872ND GEEIA SQDN (AMC) TORREJON AB SPAIN

YOUR ASSISTANCE URGENTLY REQUIRED. YOU HAVE BEEN INFO ADDRESSEE ON ALL MESSAGES CITED IN PART ONE.

GEEIA/ld. 5 5 UNCLASSIFIED/E F T O/ CAA

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P R 280900
FM ROAMA ROME AFB
2872ND GEEIA SQDN TORREJON AB SPAIN
INFO RJFXBN/16TH AF TORREJON AB SPAIN
RJFXDU/65TH AD TORREJON SPAIN
ZEN/HUR GEEIA REGION WIESBADEN AB, GER
ZEN/GEEIA (ROZISC) GRIFFISS AFB NY
BT
/U N C L A S E F T O/ CITE ROSXWE-12-97-E
ACTION: ZEUSF AT 2872ND GEEIA SQDN. INFO: HUCRFP AT HUR GEEIA REGION. INFO: 16TH AF (DOC, COL ANDERSON). INFO: 65TH AD. INFO: GEEIA (ROZISC). YOUR ZEUSF-12-37-E DTD 5 DEC 59. CE56-JUS-ROS-MA-96HT, C052312 AND CE56-JUS-BEN-MA-79-HT, C052313. REVIEW OF RECORDS AT THIS AMA INDICATE CORRECT MATERIAL WAS SHIPPED FOR SPAIN SHORTAGES. VOU 91289976 COMPLETE BOXES 101, 118 AND 128 WERE SHIPPED. COMPLETE BOXES 100, 124 AND 447 WERE SHIPPED ON VOU 92339976. VOU 92189977 COMPL BOXES 123 AND 129 WERE SHIPPED. COMPL BOXES 118 AND 128 WERE SHIPPED ON VOU 9233975. DURING RECENT VISIT BY COL. ANDERSON TO THIS AMA, SUBJECT SCHEMES WERE DISCUSSED. IN SOME INSTANCES THE NEXT HIGH ASSEMBLY OR SUITABLE SUBSTITUTES WERE FURNISHED IN LIEU OF BREAKDOWN AND WITHDRAWAL OF ITEMS LISTED AS SHORT. IT IS SUGGESTED THAT COL. ANDERSON BE QUERIED ON THIS MATTER FOR MORE DETAILED INFO.
BT
28/1456Z DEC RJEZGF

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P R 041650Z ZEX
FM CINCSAC
TO RJEZHQ/USAF WASH
RJEDSQ/AMC WRIGHT PATTERSON AFB
RJEZGF/ROAMA ROME AFD
RJEZGF/HQS GEEIA GRIFFISS AFB
INFO RJFXBH/16AF TORREJON AB
RJFXDU/65AIRDIV TORREJON AB
RJFXBH/2872GEEIA SQ TORREJON AB
RJFFAE/EUR GEEIA REG WIESBADEN AB
RJFKDU/875ACWRON ROSAS
RJFKDU/876ACWRON BENIDORM
BT
UNCLAS FROM DM3A6-10942. ACTION FOR USAF, AMC, ROAMA AND GEEIA, GRIFFISS AFB. INFO: 16TH AF, 65TH ADIV, 2872 GEEIA SQ, EUR GEEIA REG, 875TH AND 876TH ACWRON. SUBJECT: ROSAS AND BENIDORM AC&W SHORTAGES. REFERENCE 16TH AF MESSAGE DOCEP-1 12170, 2 FEB 60. REQUEST FOR ASSISTANCE CONTAINED IN REFERENCED MESSAGE (NOT TO USAF) POINTS UP CONTINUED PROBLEM AREA OF CONCERN TO THIS HQS. SIX MONTHS OF CONCERTED ACTION BY 16TH AF, 65TH ADIV (SAC) AND 2872D GEEIA SQ (AMC) HAVE RESULTED IN RECEIPT OF BOXES CONTAINING OTHER THAN REQUESTED MATERIAL. PRESENT STATUS OF HEIGHT FINDER INSTALLATION AT ROSAS AND BENIDORM IS LIMITED EW MISSION AND NO GCI CAPABILITY. REQUEST YOUR HEADQUARTERS RENDER ASSISTANCE TO RESOLVE THIS URGENT SITUATION WITH INFORMATION TO ABOVE ADDRESSEES.
BT
04/1653Z FEB RJWXBR

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PRIORITY

X AF

2872ND GEEIA SQUADRON (AMC) TORREJON AB, SPAIN

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ROAMA GRIFFISS AFB, N.Y.
HQ GEEIA, GRIFFISS AFB, N.Y.
EUROPEAN GEEIA REGION, LINDSEY AS, WIESBADEN, GER.

UNCLAS/EFTO/FROM EUSMF-9 18-E . ACTION: ROAMA, HQ GEEIA, EUGR. THIS IS A SPANISH AC & W MESSAGE IN THREE PARTS. SUBJECT: BOM LINE ITEMS 2 THRU 6 RIGID RADOME SCHEMES. MESSAGE ROSXWE-E-150-E. (NOTAL). RECEIVED FROM ROAMA IS QUOTED IN PART, QUOTE. FOR EUSMF YOUR MESSAGE EUSMF-8-58. IN ACCORDANCE WITH INSTRUCTIONS FROM HEADQUARTERS GEIIA, THIS AMA, MINOR ITEMS ON SCHEMES LISTED IN YOUR REFERENCED MESSAGE ARE NOT REQUIRED FOR INSTALLATION. SUPPLY ACTION HAS THEREFOR BEEN CANCELLED. ABOVE APPLIES TO CESD C591238, C591240, C591241, AND C591242. UNQUOTE. PART ONE FOR CESAC. ALL ITEMS LISTED ON BOM'S FOR SCHEME 160-SAO-SV11-1152-AMCMA-009A8, CESD 591242, 160-SAO-SV11-1152-AMCMA-008A8, CESD 591241, 160-SAO-BU61-1152-AMCMA-007A9, CESD 591240 AND 160-SAO-BU61-1152-AMCMA-006A9, CESD 591238 ARE REQUIRED FOR RADOME INSTALLATION. REQUEST YOU TAKE IMMEDIATE ACTION TO.....

4 SEPT 1959

GEEIA/ld.

EDWARD A. BECK, DAFC, RESIDENT ENG.
2623 1 2

CHARLES A. AUGUSTINE
CAPTAIN, USAF
CHIEF ADMINISTRATIVE SERVICES

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2872ND GEEIA SQUADRON (AMC) TORREJON AB, SPAIN.

ENCRYPT FOR TRANSMISSION ONLY.

INSURE SUPPLY OF THREE ITEMS BY 1 OCTOBER 1.959. PART TWO FOR HQ GEEIA. YOUR ATTENTION IS INVITED TO SECTION 1C, DESCRIPTION OF ABBREVIATED SCHEMES LISTED ABOVE. SPECIAL CONSTRUCTION OF ROOF DECKING REQUIRES THAT ITEMS 2 THRU 6 OF BOM BE SUPPLIED AND CONTRACTOR IS AWAITING ARRIVAL OF THESE ITEMS. SUBJECT ITEMS ARE NOT RE EAT NOT AVAILABLE LOCALLY. PART III FOR EUCR AND HQ GEEIA. REQUEST ANY DELETIONS, AND/OR SUBSTITUTIONS TO APPROVED EDITED BOM'S BE COORDINATED WITH THIS ORGANIZATION.

GEEIA/ld. 2 2 UNCLAS/EFTO CAA

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ROUTINE
ROUTINE-COURIER X AF

2872ND GEEIA SQDN (AMC) TORREJON AB SPAIN

SOUTHERN AIR LOGISTIC OFFICE, MADRID, SPAIN
GENERAL ELECTRIC DEPOT THRU SALO, MADRID, SPAIN

ENCRYPT FOR TRANSMISSION ONLY

INFO: EUROPEAN GEEIA REGION, WIESBADEN AB, GERMANY
16AF, TORREJON AB SPAIN (COURIER)
65AD, TORREJON AB SPAIN (COURIER)

UNCLAS/E F T O/FROM ZEUSF-12-36-E. ACTION: SALO, GE DEPOT. INFO: EUGR, 16AF, 65AD. FOLLOWING ITEMS BEING RETURNED THIS ORGANIZATION FROM SOLLER AC&W STATION AND BENIDORM AC&W STATION FOR REPAIR & RETURN. 1 EA TRANSFORMER, HI-VOLTAGE 5950-553-4552 FOR AN/FPS-20A, 1 EA REFLECTOR, TOP END, PART NO W9076835 P1 AND 1 EA REFLECTOR BOTTOM END, PART NO W9076836 P1 FOR AN/FPS-6. ITEMS WILL BE FORWARDED TO GE DEPOT UPON RECEIPT.

4 0815
DEC 59

GEEIA/tm
EDWARD A. BECK, RES ENG, DAFC
2623/25 1 1
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CHARLES A. AUGUSTINE
CAPTAIN, USAF
CHIEF ADMINISTRATIVE SVCS

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UNCLAS/EFTO

PRIORITY
COURIER X AF ZEUSF-12-36-E UNCLAS

2872ND GEEIA SQDN (AMC) TORREJON AB SPAIN ENCRYPT FOR

EUROPEAN GEEIA REGION, WIESBADEN AB, GERMANY TRANSMISSION

INFO: 16AF, TORREJON AB SPAIN (COURIER) ONLY
SPAIN AIR LOGISTIC OFFICE, MADRID, SPAIN (COURIER)

UNCLAS/E F T O/FROM ZEUSF-12-133-E. ACTION: ZEI. INFO: SALO, 16AF (DOCEP). REFERENCE MY ZEUSF-12-36-E. GENERAL ELECTRIC DEPOT HAS REFUSED EMERGENCY REPAIR FOR ITEMS LISTED IN REFERENCE MESSAGE. REQUEST CLARIFICATION IF MDA CONTRACTOR WILL RENDER SUPPORT AS REQUIRED BY T.O. 31-1-8, DTD 2 JAN 59, PARAGRAPH 4-25.

18 1700
DEC 59

GEEIA/tm

EDWARD A. BECK, RMS MAJ, USAF
2623 1 1
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CAPTAIN, USAF
CHIEF ADMINISTRATIVE SVCS

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P R 220800Z
FM EUROPEAN GEEIA REGION
INFO RJFXBN/2872 GEEIA SQDN
RJFXBN/SOUTHERN AIR LOGISTICS OFFICE
BT
/// U N C L A S E F T O /// FROM ZEIW 12-329-E. ACTION AMFEA. INFO 2872 GEEIA SQDN, SOUTHERN AIR LOGISTICS OFFICE. THE FOLLOWING MESSAGES FROM THE 2872 ARE QUOTED FOR YOUR INFORMATION. QUOTE: UNCLAS EFTO FROM ZEUSF 12-36-E. ACTION SALO GE DEPOT, INFO: EUGR, 16AF, 65 AD. FOLLOWING ITEMS BEING RETURNED THIS ORGANIZATION FOR SOLLER AC&W STATION, AND BENIDORM AC&W STATION FOR REPAIR AND RETURN. 1 EA TRANSFORMER, HI-VOLTAGE 5950-553-4552 FOR AN/FPS-20A, 1 EA REFLECTOR, TOP END, PART NR W9076835 P1 AND 1 EA REFLECTOR, BOTTOM END, PART NR W9076836 P1 FOR AN/FPS-6. ITEMS WILL BE FORWARDED TO GE DEPOT UPON RECEIPT. UNQUOTE. QUOTE: MESSAGE UNCLAS EFTO FROM ZEUSF-12-133-E. ACTION ZEI. INFO: SALO, 16 AF (DOCEP). REFERENCE MY ZEUSF-12-36-E. GENERAL ELECTRIC DEPOT HAS REFUSED EMERGENCY REPAIR FOR REQUEST CLARIFICATION IF MDA CONTRACTOR WILL RENDER SUPPORT AS REQUIRED BY T.O. 31-1-8, DTD 2 JAN 59. PARAGRAPH 4-25 UNQUOTE. IN VIEW OF THE ABOVE IS THERE MAINTENANCE AVAILABLE THROUGH THE MDA CONCEPT FOR GEEIA ON INSTALLATION OF GE SCHEMES, AND IF SO, WHERE CAN THIS BE OBTAINED. IF MAINTENANCE IS NOT AVAILABLE AT THE PRESENT TIME, WHEN CAN THIS BE PROVIDED.
BT
22/08362 DEC RJFPAE

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P 19 DEC 59 ZFF-1
FM AMFEA CHATEAUROUX
TO ROAMA GRIFFISS
INFO EUROPEAN GEEIA REGION WSBN
SALO MADRID
2872 GEEIA SQ TORREJON
BT
U N C L A S E F T O FM EFG-12-848-E-G. PERSONAL FOR MITCHELL FM HEFLEY. INFO. GEEIA. SALO. 2872 GEEIA SQ. SUBJ: MDA ASSISTANCE TO GEEIA. THE GENERAL ELECTRIC DEPOT MADRID SPAIN RECENTLY REFUSED TO ACCEPT EMERGENCY DEPOT LEVEL MAINTENANCE REQUIREMENTS SUBMITTED BY THE 2872 GEEIA SQDN. GE CONTENDS THAT THIS TYPE SUPPORT IS NOT INCLUDED ON CONTRACT AF 30 (635) 14850, AND THAT THEY LACK AVAILABLE MANPOWER TO ACCOMPLISH THE GEEIA WORKLOAD. IN ACCORDANCE WITH T.O.'S 31-1-8 AND 00-25-108, THE MDA IS RESPONSIBLE TO PROVIDE THIS ASSISTANCE. YOUR MSG RONGCM-2-12-31-E, RELATIVE TO ANOTHER EMERGENCY GEEIA REQUIREMENT AT UPPER HEYFORD ENGLAND, INDICATES THAT CONTRACT AF 30 (635) 14850 PROVIDES FOR THIS TYPE MDA ASSISTANCE TO GEEIA AND THAT GEEIA IS TO PROVIDE DOCUMENTATION AND FUNDS TO ROAMA. THIS PROBLEM OF NOT PROVIDING EMERGENCY SERVICES BY THE CONTRACTOR IS OF UTMOST CONCERN TO THE EUROPEAN GEEIA REGION AND AMFEA. ADVISE (1) ARE ENGINEERING ASSISTANCE AND DLM SERVICES PROVIDED GEEIA BY BENDIX AND GE ON CONTRACTS AF 30 (635) 12086 AND AF 30 (635) 14850 TO BE FUNDED FOR BY GEEIA? IF SO, WHAT DOCUMENT OUTLINES THE PROCEDURES TO BE FOLLOWED? (2) MUST CALLS BE PLACED ON THE CONTRACTS BEFORE CONTRACTOR SERVICES MAY BE PROVIDED GEEIA? (3) CAN GE AND BENDIX BE AUTHORIZED AND/OR REQUESTED TO SATISFY EMERGENCY GEEIA REQUIREMENTS ON AN INTERIM BASIS UNTIL THIS MATTER IS RESOLVED?
BTO
291907Z DEC JWS

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R M 122101Z ZEX
FM ROAMA
TO RJFMQG/AMFEA
INFO RJFPAE/EUR GEEIA RGN
RJFXBH/SPAIN ALO
RJFXBN/2872ND GEEIA SQ
RJFMQG/AMFEA
BT
UNCLAS FROM RONCCM-2-1-10-E FOR EFNE-E AT AMFEA ZEI AT EUROPEAN GEEIA REGION EFG AT AMFEA ROPEM R MASUCCI AT ROAMA. REFERENCE IS MADE TO THE FOLLOWING MESSAGES. EFG-12-848-E-G RONCCM-2-12-21-E RO-12-15-E AND ROPEM-12-85-E ALL CURRENT SERIES. IN VIEW OF OUR ROG-12-15-E DTD 31 DEC 59 THIS HQS MSG RONCCM-2-12-21-E DTD 18 DEC 59 IS CANCELLED IN ITS ENTIRETY. PROCEDURES OUTLINED IN MSG ROG-12-15-E SHOULD BE UTILIZED TO SATISFY YOUR THEATER REQUIREMENTS.
BT
12/2124Z RJEZGF

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R M 20/2113Z ZEX
FM ROAMA
TO RDNXBN/2872ND GEEIA SQDN TORREJON AFB
INFO RJFPAE/EUGEEIA RGN WIESBADEN AFB
RJFKBH/SPAIN ALO MADRID SPAIN
BT
UNCLAS FROM RONCCM-2-522-E FOR ZEUSF AT 2872ND SQDN
REFERENCE YOUR ZEUSF-1-50-E DATED 15 JAN 1960 REQUESTING PROCEDURES
OUTLINED IN MESSAGE ROG-12-15-E DATED 31 DEC 1959. SUBJECT
ROG MESSAGE FOLLOWS: 7 17953 "REFERENCE YOUR EFG-12-848-E-G CONCERNING
DEPOT LEVEL MAINTENANCE REQUIREMENTS DURING THE SHAKE-DOWN TEST OF
NEW INSTALLATIONS BOTH BENDIX AND GENERAL ELECTRIC CONTRACTS REQUIRE
THE CONTRACTOR TO ASSUME DEPOT LEVEL MAINTENANCE SUPPORT OF STANDARD
AIR FORCE PROCURED EQUIPMENT UPON COMPLETION OF THE INSTALLATION. IN
THE EVENT THAT ANY EQUIPMENT PROVIDED GEEIA INSTALLATION TEAMS AND
GEEIA INSTALLATION CONTRACTOR IS UNSERVICEABLE TO THE DEGREE THAT IT
REQUIRES DEPOT LEVEL MAINTENANCE YOU AS THE DEPOT OVERALL COMMUNICA-
TIONS ELECTRONICS SCHEDULER FOR YOUR AREA MUST SCHEDULE YOUR EXISTING
GENERAL ELECTRIC BENDIX CAPABILITY TO ACCOMPLISH SUCH DEPOT LEVEL
MAINTENANCE THE CONTRACTS WITH GENERAL ELECTRIC AND BENDIX DO NOT
IN OUR OPINION REQUIRE ANY AMENDMENT BECAUSE YOU ARE RESPONSIBLE
FOR SCHEDULING THE CONTRACTORS CAPABILITY WITHIN YOUR AREA YOU
MUST DELETE IF NECESSARY FROM YOUR SCHEDULE ANY LOWER PRIORITY
REQUIREMENTS ORIGINALLY SCHEDULED BY YOU. GEEIA IS NOT REQUIRED TO
FUND FOR THIS MAINTENANCE WE SUGGEST THAT YOU IN EFFECT PERFORM
PRE-DEPOT LEVEL MAINTENANCE INSPECTIONS OF NEW INSTALLATIONS DURING
THE SHAKE-DOWN PERIOD IN ORDER TO DETERMINE THE EXACT DEPOT LEVEL
REQUIREMENTS INSOFAR AS POSSIBLE WE ALSO RECOMMEND THAT YOU HAVE
YOUR ALO PERSONNEL SIGN OFF ON ANY INSTALLATION ACCEPTANCE CERTIFICATE
IN ORDER TO ASSURE COGNIZANCE OF ANY EXCEPTIONS MADE BY THE OPERATING
COMMAND RELATING TO DEPOT LEVEL MAINTENANCE REQUIREMENTS." UNQUOTE
THIS ANSWERS YOUR QUERY
BT
20.2118Z JAN RJEZGF

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TEXT OF BRIEFING FOR BASE COMMANDER AND STAFF ON THE AC&W SITE AT SOLLER

1. Introduce Mr. Beck GEEIA Project Engineer for Spanish AC&W and W/O Van Tassel Installations Officer.

2. This past weekend I evacuated the main body of personnel from Soller AC&W site which consisted of 23 electronics technicians who are under my jurisdiction.

3. I am aware of the consequence of my act but feel that it was justified and I am prepared to defend it.

4. We tried Wednesday and Thursday to reach the site but were turned back by high water and road washouts. They had 29 inches of rain in 27 hours.

5. On Friday we reached the site to find the following conditions:

   a. They were down to one weeks emergency ration of food. (They have never received fresh food rations.)

   b. There were no Air Force medical supplies on station except a bottle of merthiolate and some aspirin.

   c. There has not been a medical technician assigned.

   d. The water from the reservoir was contaminated with heavy mud and the water that is hauled in has not been tested or is there any known method of treating it available.

   e. The area was naturally a mess from the flood, but there was almost a total lack of housekeeping supplies with only grit soap and two brooms on site.

   f. The men were out of cigarettes and there was no place to obtain even the basic toilet articles.

   g. There were no special service items, reading material, cards, etc., to occupy themselves with during off duty hours.

6. Needless to say the morale is low. They are still isolated but were in fact completely cut off from the outside during the storm.

7. For the 3 officers and 6 or 7 airmen left the necessities can come later but now they need the bare essentials of fresh food, water and medical supplies.

8. Contrary to rumor (including that of the site commander, Lt Col Roick) that the site won't be operational until June or July,,, the site <u>will</u> be ready for operations by 1 January 1960.

9. I am re-issuing orders on my teams with the non-utilization clause. I intend to send them back to Soller on the 2nd of November and if necessary they will live in town and commute to the site to do the job, but,

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10. The technical installation will go in and it will be ready for operational testing by 1 January.

PAUL E. MULRENIN
Captain, USAF
Commander GEEIA (Spain Morocco)

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NOMENCLATURE	UNIT COST	W-1	W-2	W-3	W-4	W-5	W-6	W-7	TOTAL NO.	TOTAL COST
AN/FPS-20	$ 1,415,000.00	1	1	1	1	1	1	1	(7)	$ 9,905,000.00
AN/FPS-6	172.008.76		1	1	1	1		1	(5)	860.043.80
AN/FPS-6A	175,000.00	1					1		(2)	350.000.00
AN/FTA-13	25,082.00	1			1	1	1		(4)	100,328.00
AN/GTA-6A	29,007.70		1	1				1	(3)	87,023.10
AN/GPA-30	6,334.49	1	1	1	1	1	1	1	(7)	44,341,43
AN/GPA-45	800.00	2	2	2	2	2		2	(12)	9,600.00
OA-842	20,721.61	1	1	1	1	1	1	1	(7)	145,051.27
AN/FGC-25X	4,798.24	8	4	3	4	4	4	4	(31)	153,543.62
AN/FGC-20X	2,180.00	6	2	2	2	2	2	2	(18)	39,240.00
SB-66	171.00	1	1	1	1	1	1	1	(7)	1,197.00
AN/GRC-27	3,630.00	4	4	4	4	4	4	4	(28)	101,640.00
T-282D	676.81	10	10	10	10	10	10	10	(70)	47,376.70
R-361A	347.00	10	10	10	10	10	10	10	(70)	24,290.00
MD-141A	442.00	10	10	10	10	10	10	10	(70)	30,940.00
AS-505A	355.28	8	22	8	8	8	8	8	(70)	24,869.60
AT-197	103.00	20		20	20	20	20		(100)	10,300.00
CU-547/UR	2,000.00							8	(8)	16,000.00
BC-640-D	4,273.82	4	4	4	4	4	4	4	(28)	115,393.14
BC-639	1,340.00	4	4	4	4	4	4	4	(28)	36,180.00
RC-81	34.50	8	8	8	8	8	8	8	(56)	1,932.00
BC-638	355.39	1	1	1	1	1	1	1	(7)	2,487.73
AN/GPA-50	92,370.00	1							(1)	92,370.00
AB-259 (Est)	50,000.00						1		(1)	50,000.00
SB-239	867.00	2		2	2	2	2	2	(12)	10,404.00
OA-603/FPS-3A	86,733.00	1					1		(2)	173,466.00
CW-396A	29,416.00				2	2	1	2	(7)	205,912.00
TA-277	260.00		15	15				15	(45)	11,700.00
Tower, Radio 100'	3,666.66	8		8	8	8	8	2	(42)	153,999.72
AN/UPA-35	12,121.49	4	4	4	4	4	4	4	(28)	339,401.73
OA-175	1,524.00	6	6	6	6	6	6	6	(42)	64,008.00
Air Ground Consoles	1,500.00	1	1	1	1	1	1	1	(7)	10,500.00
										$ 13,135,412.83

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EQUIPMENT	NAME	POSITION	PRESENT LOCATION
CW-396A	CMS Blackburn	Team Chief	Hq Eastern GEEIA Region
	SMS Anthony	Team Chief	Hq Eastern GEEIA Region
RIGID RADOME	TSgt Lempicki	Team Chief	Hq European GEEIA Region
	SSgt Bottego	Team Chief	Hq Western GEEIA Region
	SSgt Porter	Team Chief	2872nd GEEIA Squadron
	A/1C Balafas	Team Member	2872nd GEEIA Squadron
	A/2C Gonzales	Team Member	2872nd GEEIA Squadron
MICROWAVE	SMS Anthony	Team Chief	Hq Eastern GEEIA Region
REFLECTORS	SSgt Porter	Team Chief	2872nd GEEIA Squadron
AIR GROUND			
(UHF-VHF)			
ANTENNA SYSTEMS			
TACAN	TSgt Schaeffer	Team Chief	2872nd GEEIA Squadron
	TSgt Hart	Team Chief	2872nd GEEIA Squadron
CABLE SPLICER	SMS Anthony	Team Chief	Hq Eastern GEEIA Regi
	TSgt Durette	Team Chief	2872nd GEEIA Squadron
	SSgt Porter	Team Chief	2872nd GEEIA Squadron
AC&W AIR GROUND	SSgt Sweeny	Team Chief	2872nd GEEIA Squadron
SYSTEMS (Comp.)	SSgt Kretzchmar	Team Chief	2872nd GEEIA Squadron
	TSgt Hart	Team Chief	2872nd GEEIA Squadron
	TSgt Schaeffer	Team Chief	2872nd GEEIA Squadron
	TSgt Hochstetler	Team Chief	ANG/Oregon
ILS	SSgt Grimes	Team Chief	2872nd GEEIA Squadron
	SSgt Ledford	Team Chief	2872nd GEEIA Squadron
HEAVY TRANS-MITTERS	TSgt Hochstetler	Team Chief	ANG/Oregon
	TSgt Hart	Team Chief	2872nd GEEIA Squadron
MICROWAVE	TSgt Hochstetler	Team Chief	ANG/Oregon

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FIG. 2 Changing The Face Of Europe. The highest point of the island of Mallorca was lowered 21 feet, by a spectacular 100 ton dynamite blast in order to provide sufficient flat surface to accomodate a new station.

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FIG. 3. Installation nears completion at a typical station with roof mounted radar antennas. Later, rigid radomes were added to protect the antennas from arctic-like conditions which prevail for six months of the year.

FIG. 4. A typical arctic configuration station nears completion. The towers shown later housed the complex radar equipment. Inflatable radomes protect the equipment installed on the deck of these towers.

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FIG. 5. A partial view of the patio of a typical cantonment area, containing the administrative and housekeeping functions of the station, is generally located 3 to 5 miles and 2000 ft to 3000 ft below the technical site subjecting them to less severe climatic conditions.

FIG. 6. The cantonment area at Soller AC & W Station. This configuration is representative of most Spanish AC & W Stations.

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FIG. 7. Four 250 KW slow diesel generator provide both technical and housekeeping power service at each station

FIG. 8. Specially designed, self-supporting, steel towers will hold Ground to Air radio antennas The towers are designed to withstand 150 knot winds

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FIG. 9. The access road from the canton — ment area at Soller AC & W Station moves torturously across rugged Spanish mountains to the technical site To the left, in the va — lley, can be seen the cantonment area, and, in the center background, can be seen the 50,000,000 gallon catch basin and dam which provides water for the station The building in the right foreground is the power station.

FIG. 10. Another installation problem. This low-clearance tunnel on the access road restricted movement of the large technical items, from the port of Palma de Mallorca to the AC & W Station.

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FIG. 11 Villatobas A C & W Station

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FIG. 12 Constantina A C & W Station

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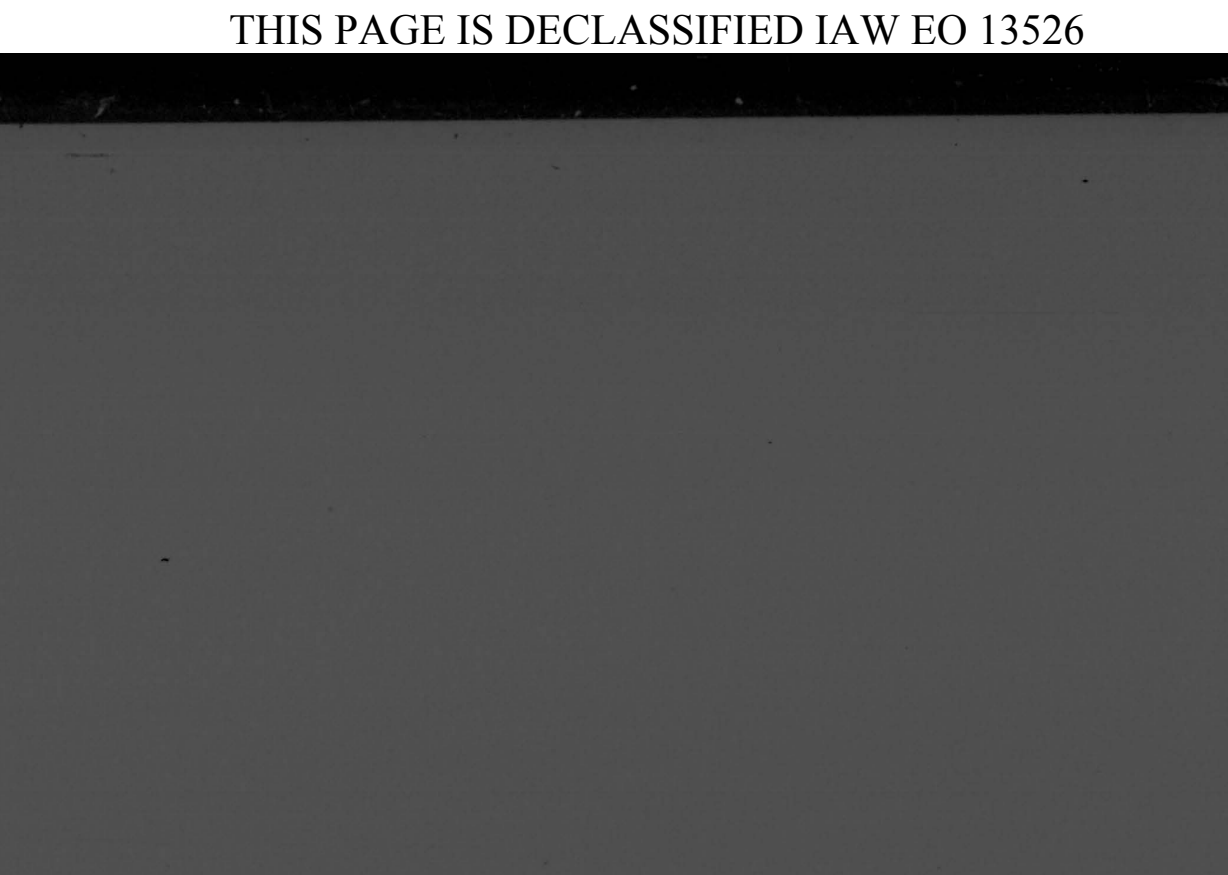

FIG. 13 Benidorm A C & W Station

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FIG. 14 Elizondo A C & W Station

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FIG. 15 Inages A C & W Station

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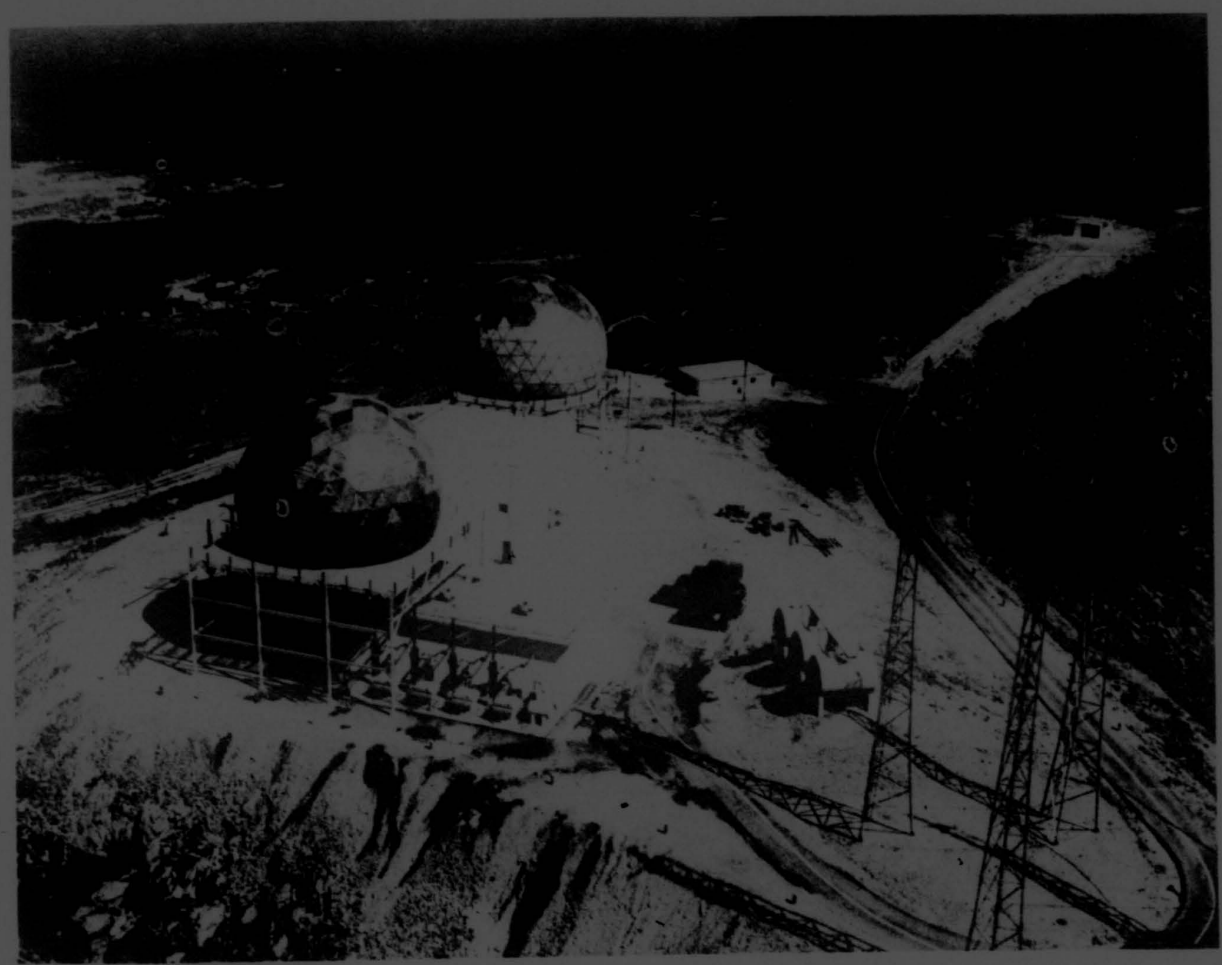

FIG. 16 Rosas A C & W Station

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FIG. 17 Soller A C & W Station

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FIG. 18 Radome under construction at Soller AC & W Station. This view has been taken from mid-point on the Access road

FIG. 19 Final bolt being put into place at the end of the Rigid Radome Program in Spain

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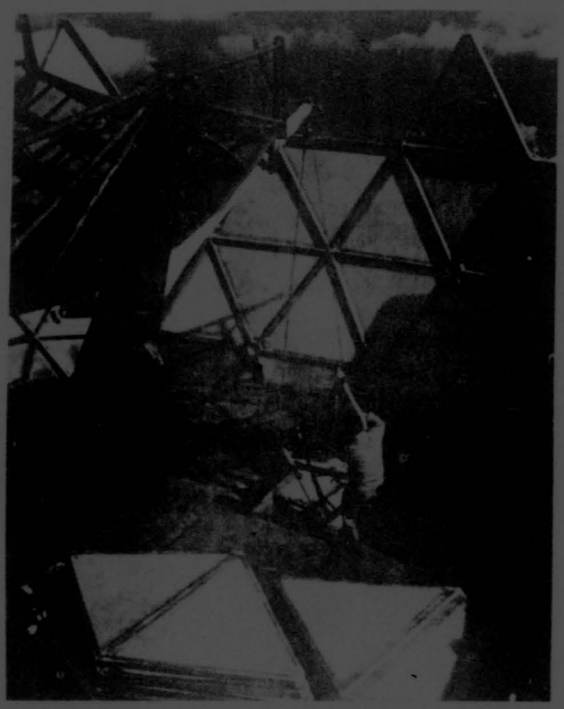

FIG. 20 Equipment being hoisted into a radome under construction. A beam lashed to the AN/FPS-6 antenna acts as a boom for this operation

FIG. 21 Final tighting of all bolts in a radome after calking had been completed

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FIG. 22 Members of an Outside Plant team of the 2872nd GEEIA Sq completing the calking of the CW-396A Rigid Radome and repairing wind damage to AS-505D Antennas at Soller AC & W Station

FIG. 23 2872nd and 2874th GEEIA Sq Outside Plant teams installing Rigid Radome CW-396A at Soller. Shown here are the 5th and 6th courses being installed

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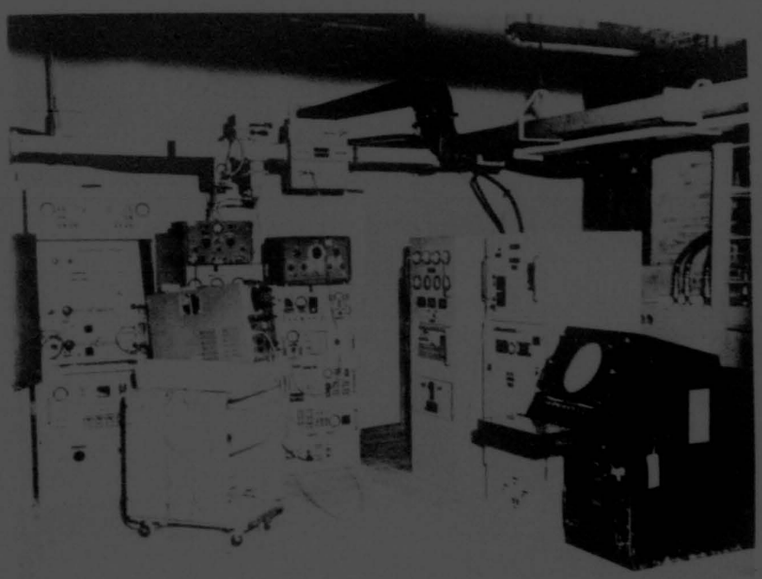

Partial View of a Typical AN/FPS-20 Search Radar Installation.

Temperate Search Radar Antenna With SIF Feature.

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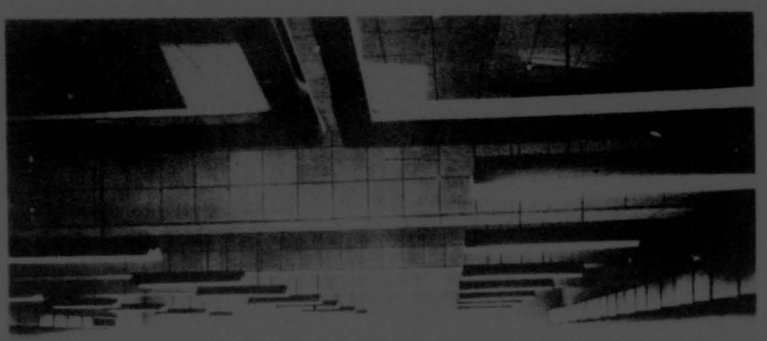
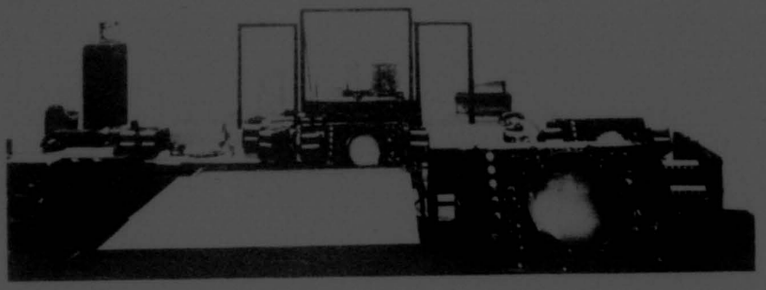
Partial View of a Typical AN/FPS-20 Search Radar Installation.





Operations Room as Viewed From Controller Position

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Partial View of a Typical AN/FPS-20 Search Radar Installation.

Typical Remote Ground-To-Air Transmitter Site.

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General Root, Colonel Brombach, Colonel Hope, distinguished guests. It is with pleasure and pride that the 2872nd GEEIA Squadron welcomes you to Torrejon Air Base and Spain. We regret that your stay with us has been curtailed. There is much of interest to be seen in the Madrid area, and though it is not listed in the tourist's guide, we of the 2872nd feel the GEEIA operation in Spain is especially noteworthy. It is our endeavor this morning to furnish you with some information on this GEEIA operation.

I should like to interject, at this time, that although I have been Squadron Commander of the 2872nd for only 3 weeks, I have had the opportunity to observe and work with the squadron for the past year. As chief of the wire section 16th Air Force, Directorate of Communications, and as Chief of the Southern Field Office (GEEIA), I feel that my observations are both valid and objective.

During the past year, the 2872nd has had problems, it also had the answers. We have problems now, but again, we have the answers. I believe I am on safe ground when I say this is one of the characteristics of any dynamic,"can do" organization. The answers have not always been easy, some take money and an authority higher than we possess. But many of the answers are within our own scope. Of the latter category, we in the Squadron say, "there are no problems - just opportunities."

Adequate solutions to problems, of necessity, demand dynamic - not static - action, high standards and quality control. In short, adequate solutions demand a professional. The 2872nd has in the past and will in the future strive to maintain this high degree of professionalism in its operations. We hope that our record will show to what degree we have achieved this goal.

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I believe that the following presentations can clarify for you the problems we have had to meet and how we have endeavored to meet them in the best interest of the mission.

At this time, gentlemen, I should like to present:

Lt Haddock - Engineering Services Officer of the 2872nd GEEIA Squadron.

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GENERAL ORGANIZATION
(1st Lt. Haddock, USAF)

Thank you Captain Cox. Good morning General Root, Colonel Bromback, Colonel Hope and distinguished visitors. Welcome to sunny Spain. It is my pleasure to brief you on a few charts which will help to explain the mission of the 2872nd GEEIA Squadron.

Our mission is stated as follows:

In accordance with the policies and procedures established by Chief of Staff, USAF, and as directed by the Commander, European GEEIA Region and other competent authority, the Squadron is responsible for engineering and installing ground communications electronics equipment within its' assigned geographical area of responsibility. The Squadron will perform such other functions as directed by the Commander, European GEEIA Region.

Our geographical area consists of Spain, Morocco, the Balearic Islands and the Azores Islands. About 1 July we expect to merge with the 2871st GEEIA Squadron and assume responsibility for installations in their geographical area. Our area of responsibility will then probably include all of Africa, Turkey, Pakistan, Greece, Italy and a few other countries.

Our chain of command is indicated on this flip chart. (Brief explanation).

The squadron is presently organized as indicated on this flip chart. (brief explanation).

Here is a breakdown of the number of schemes completed during FY 60 by the squadron (See flip chart handout). Most of these schemes have been concerned with the Spanish AC & W program. Shortages of equipment and supply difficulties have hindered our installation progress. These difficulties will be explained to you later and possible solutions will be suggested.

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2872ND GEEIA SQUADRON

BRIEFING CHARTS

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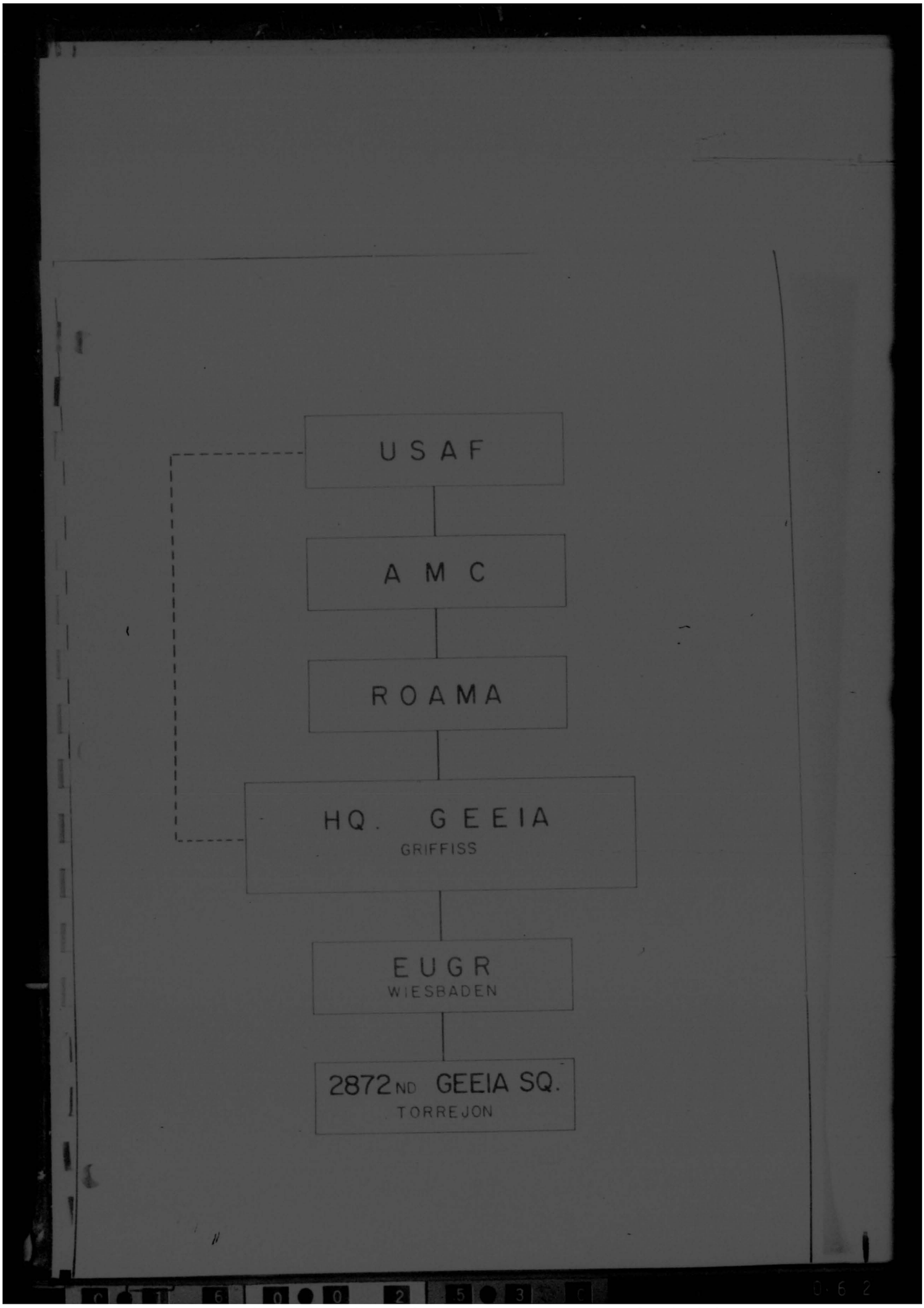

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MISSION

In accordance with the policies and procedures established by Chief of Staff, USAF, and as directed by the Commander, European GEEIA Region and other competent authority, the 2872nd GEEIA Squadron is responsible for engineering and installing ground communications electronics equipment within its assigned geographical area of responsibility. The Squadron will perform such other functions as directed by the Commander, European GEEIA Region.

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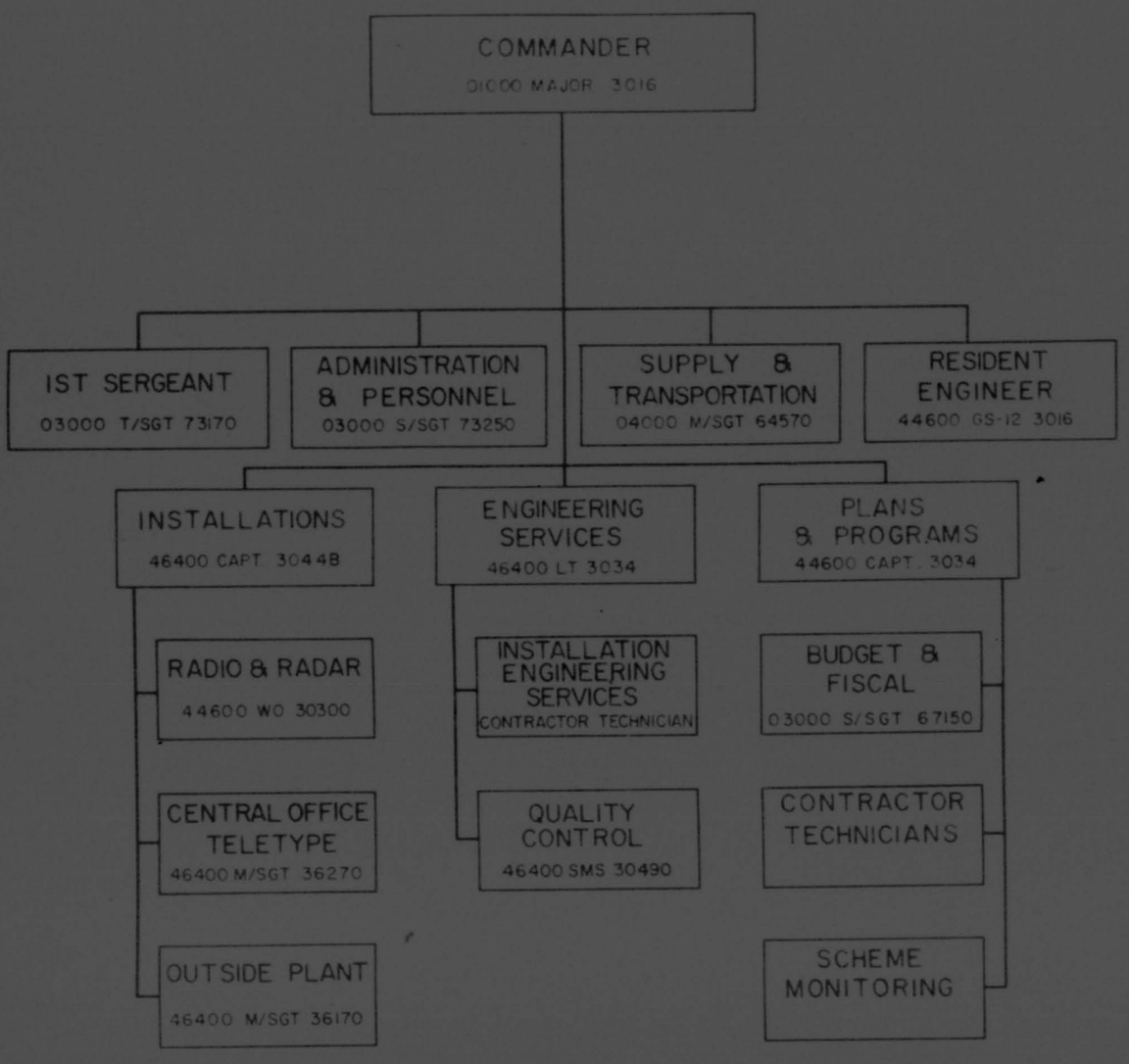
2872ND GEEIA SQ



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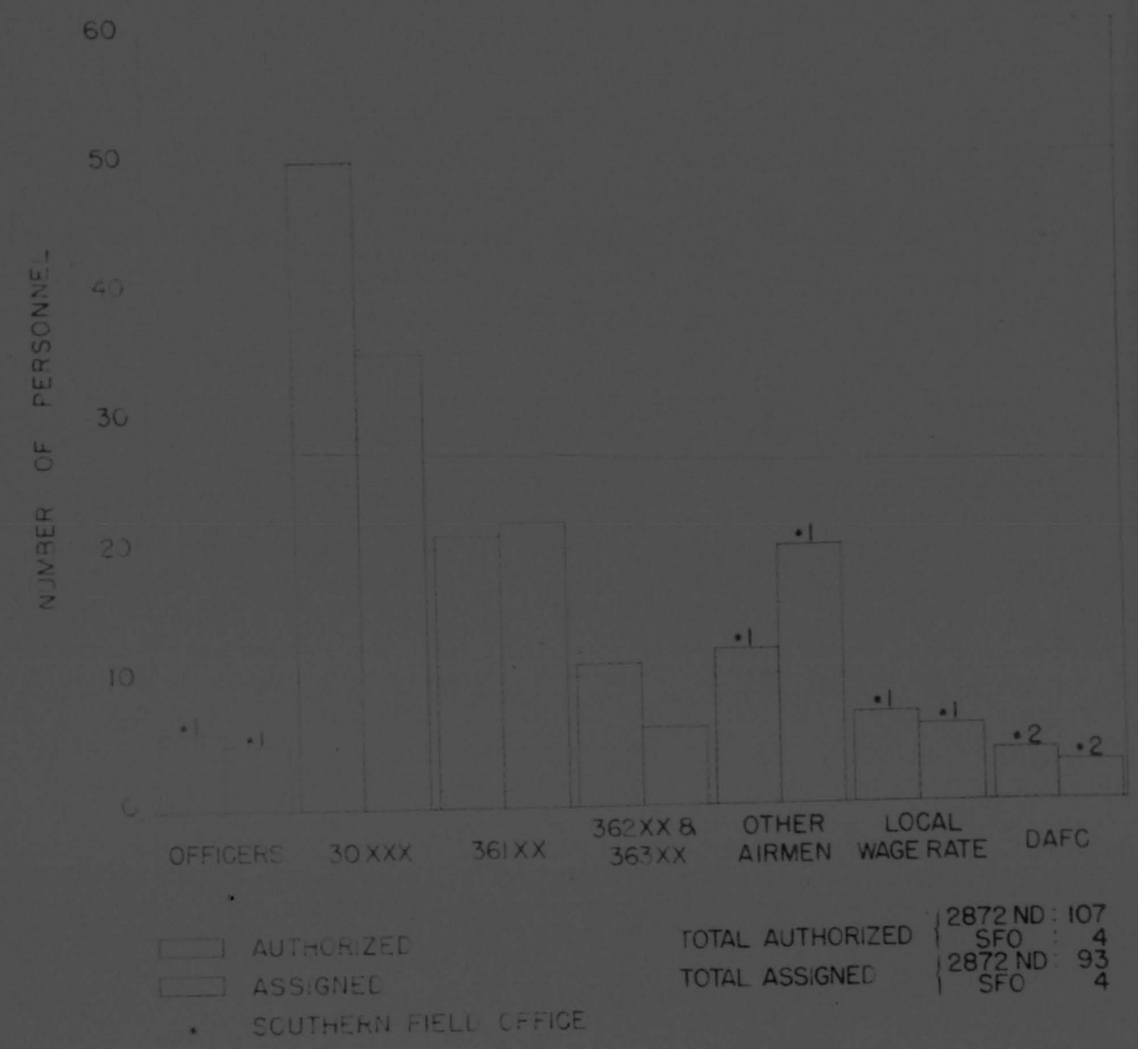
CONSOLIDATION OF PERSONNEL AUTHORIZED VS ASSIGNED

2872ND GEEIA SQ & SOUTHERN FIELD OFFICE

(AS OF 10 MAY 1960)



TOTAL AUTHORIZED	2872 ND	107
	SFO	4
TOTAL ASSIGNED	2872 ND	93
	SFO	4

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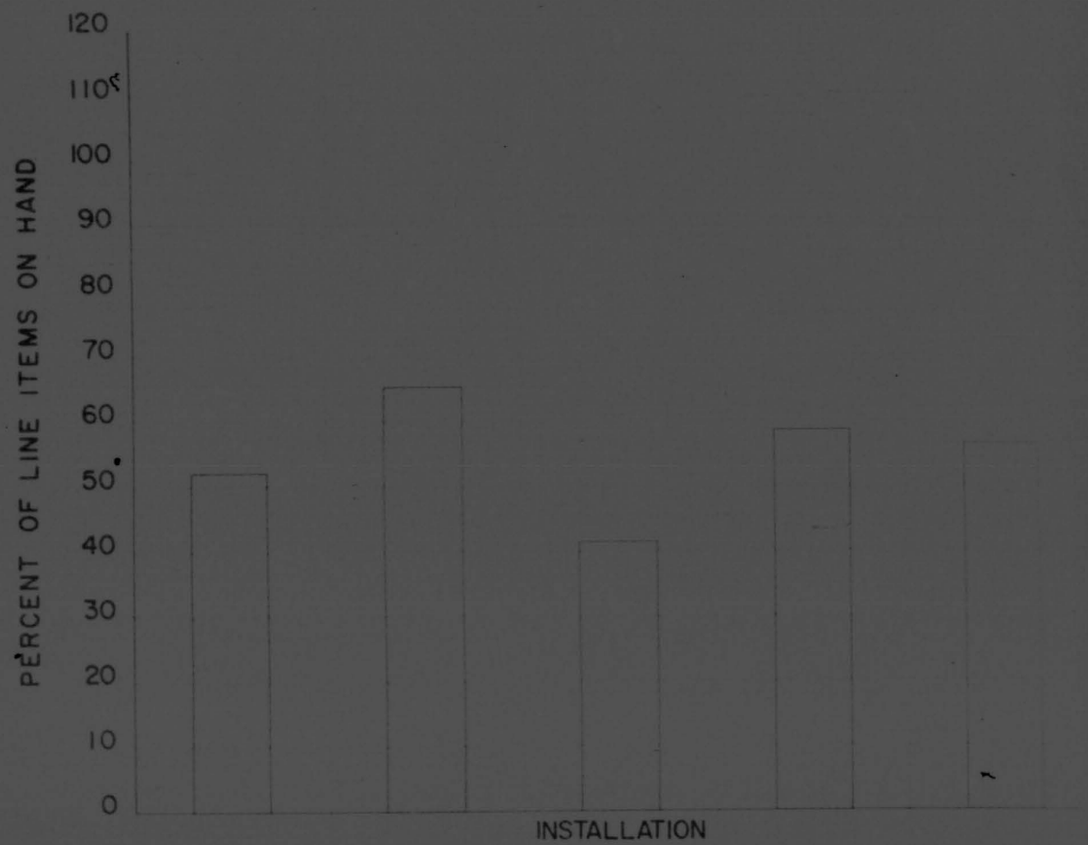
PERCENT OF UAL EQUIPMENT ON HAND

(AS OF 10 MAY 1960)



	VEHICLES	TEST EQUIP.	TOOLS (VALUE OVER $ 10.00)	ALL OTHER	TOTAL
UAL	23	86	181	906	1196
ON HAND	12	56	75	530	673
%	52.1%	65.1%	41.43%	58.49%	56.43%

ALL MISSING ITEMS ON REQUISITION FOLLOW-UP EVERY 30 DAYS!

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2872ND GEEIA SQUADRON (AMC)

Torrejon Air Base, Spain

FY 1960 POTENTIAL

ASSETS

EQUIPMENT IN USE-UAL:		$ 298,298.00
(Approved UAL maximum value $265,141.00)		
(Estimated FY 60 UAL changes 33,157.00)		
EQUIPMENT IN USE-OTHER:		14,575.00
(Unauthorized equipment on hand in excess of authorized UAL)		
BUILDINGS UTILIZED:		165,875.00
(Operations building $44,000.00)		
(Barrack & Office space 121,875.00)		
TOTAL EQUIPMENT AND BUILDINGS		$ 478,748.00

EXPENDITURES

OPERATING EXPENSES:		$ 45,012.00
(Includes LP material and supplies consumed, civilian personnel services utilized, salaries, wages, etc and utilities utilized)		
MILITARY PAY AND ALLOWANCES:		$ 220,376.00
(Officers $ 18,571.00)		
(Airmen 201,805.00)		
TRAVEL:		63,980.00
CONTRACTS SERVICES:		261,558.00
(Squadron Funds $156,000.00)		
(Other Funds-GE 105,558.00)		
TOTAL EXPENDITURES		$ 590,926.00

DOLLAR VALUE OF CE EQUIPMENT PROGRAMMED TO BE INSTALLED

AF BASES AND MOROCCO AC&W SITES:	$ 3,457,312.00
SPANISH AC&W SITES:	11,990,987.00
TOTAL VALUE OF CE EQUIPMENT	$15,448,299.00

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VERBATIM OF BRIEFING BY CAPTAIN AUGUSTINE
(Chief of Plans & Programs, 2872nd GEEIA Sq.)

Thank you Captain Cox. General Root, Colonel Bronbach, Colonel Hope and distinguished visitors. In planning and programming for this organization we are concerned with two main but related subjects. One, an accurate forecast of projected workload, two mechanical processes of budgeting in order to finance the operation.

Annual Budget Estimates, Financial Plans, and revisions thereto are prepared by personnel of this organization at Hq European GEEIA Region. An interim installation schedule with detailed funding data is prepared at this organization and then hand carried to Region, where with the guidance of Region Comptroller personnel and utilizing records of the Plans & Programs and Scheme Monitoring Sections at Region, the plan is finalized and submitted to Hq GEEIA.

Funds which have been programmed and allotted for the operation of this squadron, since we have been under GEEIA, have been adequate. We have had no problem securing additional funds, when unexpected situations such as "Project Count" for example, arose. (Additional funds expended for "Project Count" was $6,615.00).

As can be seen from the chart, during the preceding fiscal year 1959 this organization obligated funds in the amount of $37,363.

Our expected obligation for the current fiscal year is $200,000. approximately five (5) times that of 1959. This increase in expenditure was brought about by the fact that during FY 1959 we were primarily responsible for installation of Navigational Aid facilities only. At the beginning of FY 60, in addition to navigational aids, we assumed complete engineering-installation

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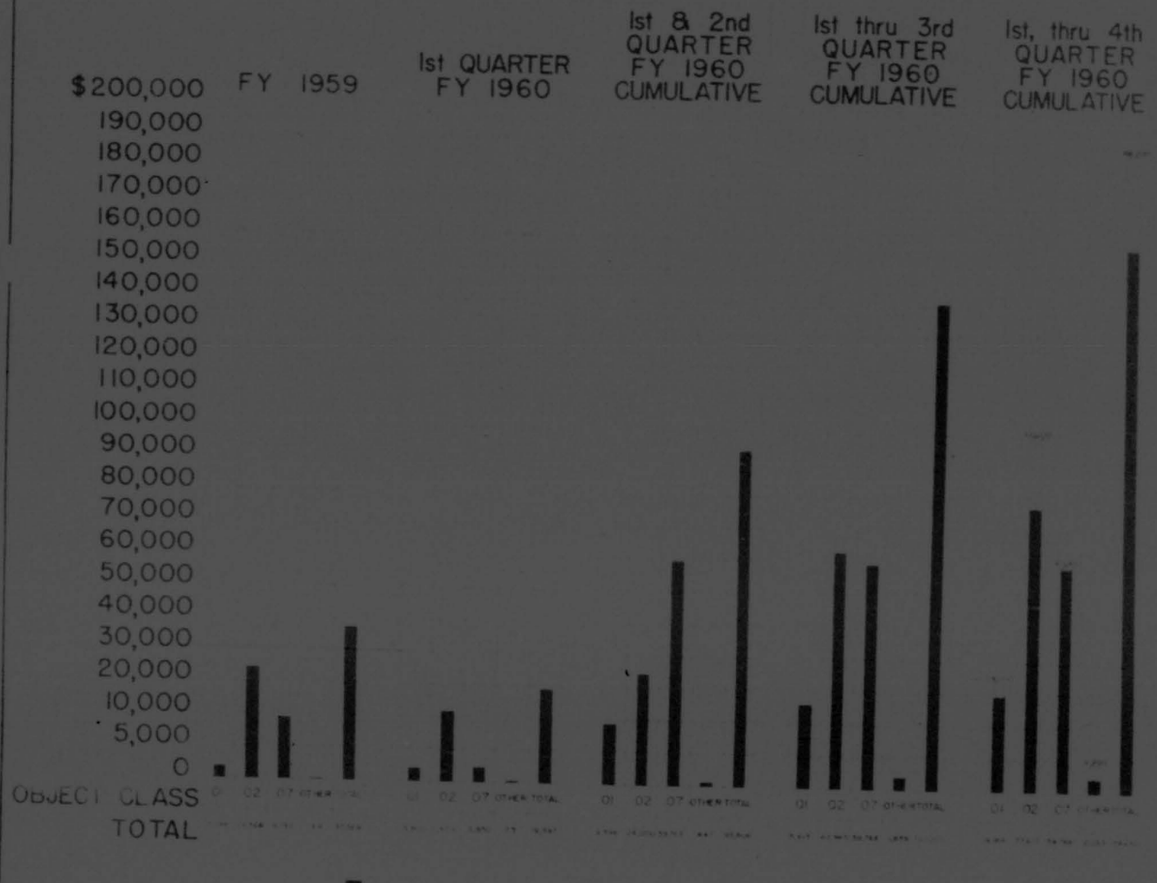
2872ND GEEIA SQUADRON (AMC)

STATUS OF P437 FUNDS

AS OF: 6 MAY 1960

ABA & ALLOTMENT: $ 191,715.00



OBLIGATED AS OF 6 MAY 1960

ESTIMATED OBLIGATIONS AS 30 JUN 1960

LEGEND: 01 LIV PAY
02 TRAVEL
07 CONTRACTUAL SERVICES

OTHER: FEGLI (0771)
FICA (1511)
TRANS (0390)

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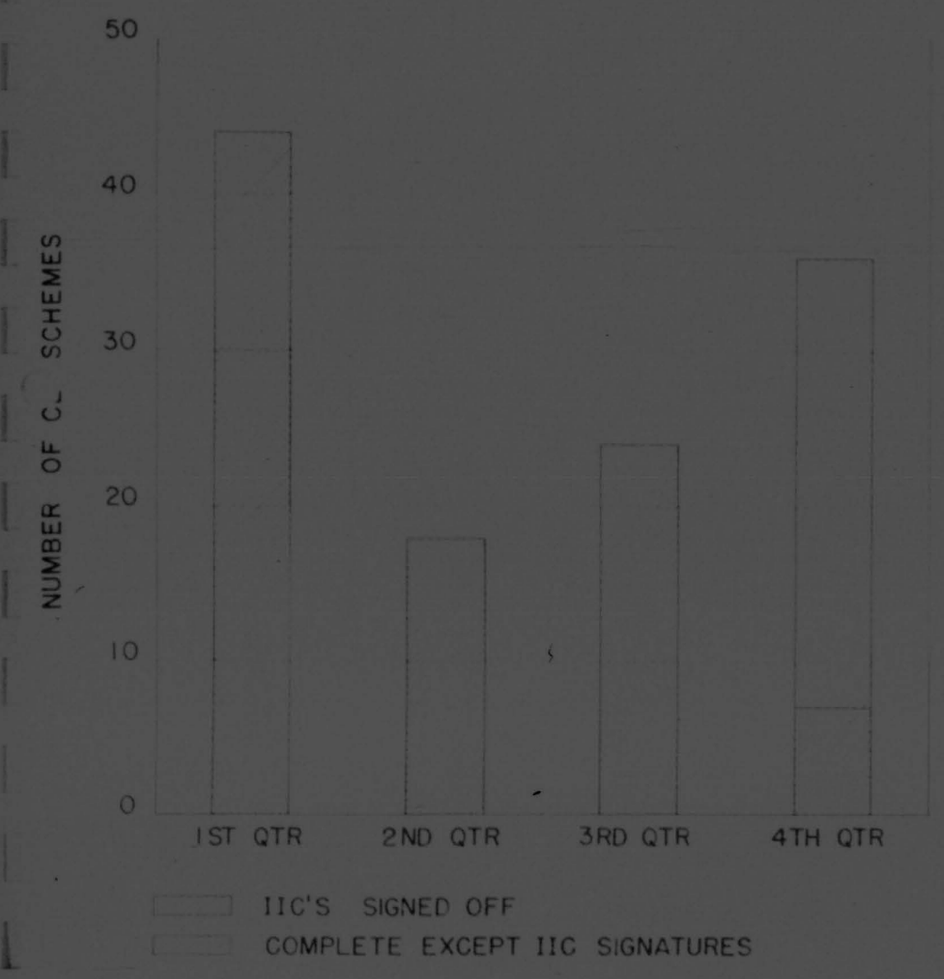
CE SCHEMES COMPLETED BY 2872ND GEEIA SQ DURING

FISCAL YEAR 1960

(AS OF 10 MAY 1960)



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responsibility for the Spanish AD [illegible], increased installation workload for weather and base communications, line outside plant maintenance responsibility.

As can further be seen from the chart, our funds were expended uniformly over the four fiscal quarters. This was primarily due to the fact that the organization was fully workloaded during the entire fiscal year and in fact had USAFA installation teams TDY to this squadron from other European Region resources and the ZI.

Only three problems confront us at the present time in the budget and procurement area.

The first problem is being able to utilize P/38 funds for emergency requirement of C3 scheme material to prevent work stoppage. We requested appointment of a Class "C" Agent in this organization approximately six months ago. This request is currently at Headquarters Air Force awaiting finalization. In the meantime, we have been making use of other Class "C" Agents, for example those at each AC&W Station, and citing our funds. However, this results in unnecessary delays. Full utilization of P/38 funds is further complicated by the fact that C3 hardware items are either non-existent on the Spanish-Moroccan market or of inferior quality. For this reason, we have had to refer the majority of our local purchase requests to European [illegible] Region.

The second problem is actually a problem of our Host Comptroller, and involves the excessive time delay between the receipt of allotments and AGA's. A possible solution would be for USAFA to issue an annual AGA with limitations [illegible] quarter and furnish required documentation in advance of the time funds are required; or issue funds to [illegible] Region for redistribution [illegible] Host Comptroller.

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A third problem involves procurement of normal BP items for housekeeping supplies, wherein base supply provides the items requested and bills ROAMA by AF Form 327 action. Requisitions have been returned due to lack of base funds. Obligation authority requests to ROAMA involve added delays and increased supply pipe line time. A possible solution to this problem would be for ROAMA to issue quarterly obligation authority to the host comptroller.

Next I would like to point out the immediate workload facing this organization. By immediate workload we mean those CF schemes which have been called out under GE-IA RFO shipment or those schemes for which material was shipped to Base Supply under the old concept and is now complete supply wise or expected to be complete within the next 90 days:

Facility	No.	Location	Estimated Manhours
ILS	3	Lajes, Zaragoza, Nouasseur	7,280
Task Force CP	4	Ben Guerir, Nouasseur, Sidi Slimane, Lajes	4,200
UHF GCA Augmentation	3	Ben Guerir, Sidi Slimane, Lajes	3,600
ARTC	1	Barcelona	1,920
TACAN	1	Santa Maria Is. (Azores)	1,536
102A Key System	2	Barcelona, Sidi Slimane	2,400
Control Tower Aug	1	San Pablo	800
Kollsman Altimeter	4	Lajes, Zaragoza, Ben Guerir, Sidi Slimane	320

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IMMEDIATE PROJECTED WORKLOAD

FACILITY	NO.	LOCATION	ESTIMATED MANHOURS
ILS	3	Lajes, Zaragoza, Nouasseur	7,280
Task Force CP	4	Ben Guerir, Nouasseur, Sidi Slimane, Lajes	4,800
UHF GCA Augmentation	3	Ben Guerir, Lajes, Sidi Slimane	3,600
ARTC	1	Barcelona	1,920
TACAN	1	Santa Maria Island. (Azores)	1,536
102 A Key System	2	Barcelona, Sidi Slimane	2,400
Control Tower Augmentation	1	San Pablo	800
Kollsman Altimeter	4	Lajes, Ben Guerir, Zaragoza, Sidi Slimane	320
TVOR Relocation	1	Zaragoza	2,400
Intersite Tech Control	2	Nouasseur, Sidi Slimane	3,600
VHF FM Station	1	Mediouna Hill	480
UPA-35 Indicator	1	Mediouna Hill	80
Weather Schemes	6	Moron	1,600
" "	4	Torrejon	1,200
" "	5	Zaragoza	1,440
" "	4	Nouasseur	1,200
" "	2	Ben Guerir	720
" "	4	Sidi Slimane	1,200
" "	6	Lajes	7,200
		Total	49,776

8,960 Manhours Available per Month

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Facility	No.	Location	Estimated Manhours
TVOR Relocation	1	Zaragoza	2,400
Intersite Tech Control	2	Nouasseur, Sidi Slimane	9,600
UHF FM Station	1	Medicuna Hill	480
UPA-35 Indicator	1	Medicuna Hill	80
Weather Schemes	6	Moron	1,600
" "	4	Torrejon	1,200
" "	5	Zaragoza	1,440
" "	4	Nouasseur	1,200
" "	2	Ben Guerir	720
" "	4	Sidi Slimane	1,200
" "	6	Lajes	7,200
		TOTAL:	49,776

There are 8,960 installation man hours available to this organization per month based on our present strength. Thus our immediate installation workload represents approximately 5½ months of work. This does not include Spanish AC & W program which will be covered later in our presentation, wire schemes which are currently the installation responsibility of 2874th GEEIA Sqdn, 3000 series (STRATCOM) for which very limited information is available and emergency outside plant maintenance. It does not include those schemes which are programmed for installation in FY 61 but have not as yet been called out under RPO procedures.

We will continue to make maximum utilization of our available resources, both money and manpower, and feel we can accomplish this installation workload and in a professional manner.

At this time I would like to call upon MSgt Weaver, who supervises a very vital function of our Plans & Programs section. Sgt Weaver is the NCOIC

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of our Scheme Monitoring Branch and one of their primary responsibilities is that of implementing the MPO program. Sgt Weaver will cover briefly our activities in that connection.

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VERBATIM OF BRIEFING BY SGT WEAVER
(NCOIC of Scheme Monitoring Branch, 2872nd GEIA Squadron)

Thank you Captain Augustine. General Root, Colonel Brombach, Col Hope and distinguished visitors.

To best portray our activities in the RPO program we have prepared a chart indicating the current status of CE schemes called out under the RPO concept. As can be seen from the chart a total of 111 schemes were called out as of 10 May current. Of these, 62 were for the Spanish AC & W program. The remaining 49 were for the seven air bases in our area of responsibility. Of these 111 schemes, 3 were received 100% complete in one shipment. Each of these 3 schemes constituted only 1 line item each. 96 of these 111 were received in partial and/or split shipments. On the remaining 12 schemes, no material was received as of 10 May. As far as the RPO folder is concerned, as of 10 May an RPO folder had been received on 60 of the 111 schemes. In no instance, was the RPO folder received before the material arrived.

Partial and/or split shipments create the following problems:

1. Installation scheduling is virtually impossible. In order to make maximum utilization of our assigned installation personnel, we have been installing whichever scheme happens to have sufficient material on hand and not necessarily the scheme with the oldest operational date or highest priority.

2. Partial shipments, stored on a base or AC & W site awaiting arrival of shortages are subject to loss and pilferage. Storage in itself becomes a major problem.

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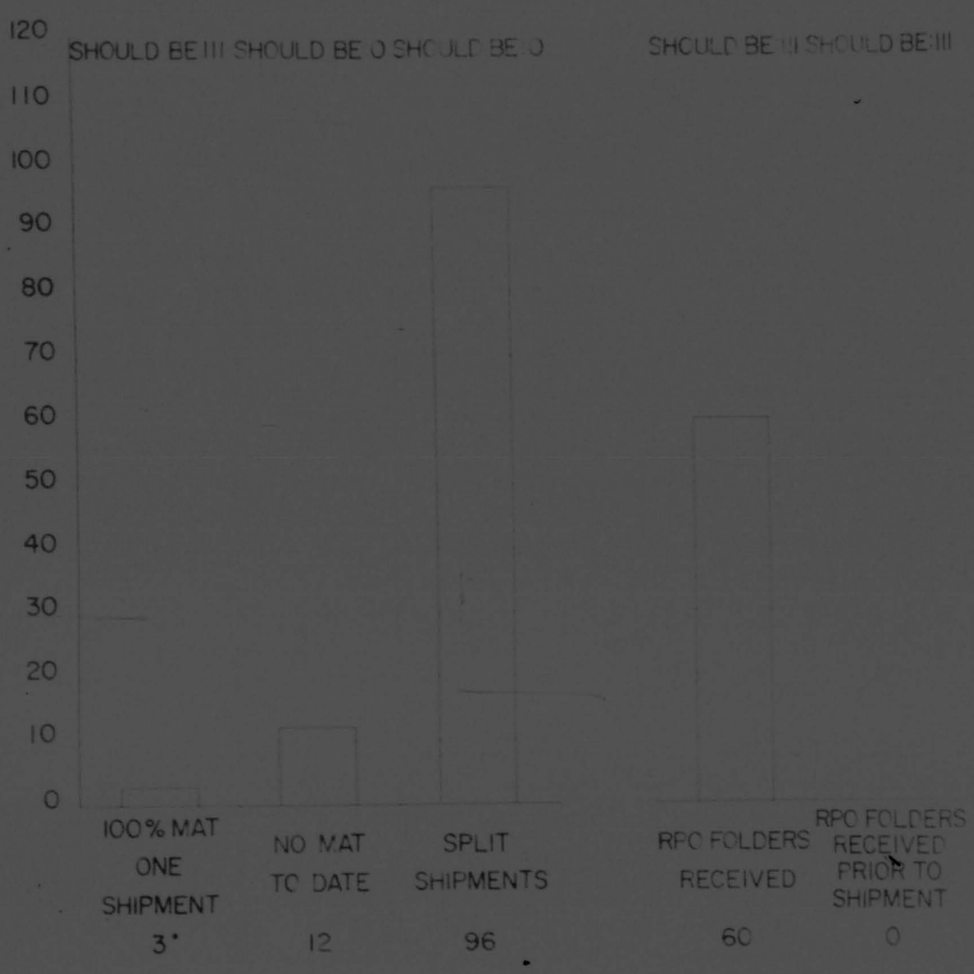
OUT OF 111 RPC CALL OUTS:

(AS OF 10 MAY 1960)



* 1 LINE ITEM SCHEMES

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The following recommandations are made. When a scheme is called out under RPO with specified delivery date and it is apparent that delivery date cannot be met in a 100% one time shipment.

1. Material be held at CESAC and not shipped.

2. The GEEIA installation squadron be advised as to shortages and a realistic date shortages will be available.

3. The GEEIA installations Squadron can then determine if shortages can be procured locally and advise CESAC to ship or reschedule the installation based on realistic availability date and advise CESAC accordingly.

An installation project, regardless of size or importance, will never be completely successful without the proper supplies, in the required amounts, in the right place at the right time.

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VERBATIM OF BRIEFING BY MR VAN TASSELL

(Installations Officer, 2872nd GEEIA Sq)

THANK YOU, Captain Cox:

General Root, Colonel Brombach, Colonel Hope, distinguished visitors:

We are proud of the installations accomplishments of this Squadron.

We have installed 129 Schemes and 4 Jobs since the begining of fiscal year 1960. I would like to discuss some of the management tools which we have developed and implemented in this Squadron to accomplish this and future assigned missions:

The first of these tools is our team structure concept. We have organized our installer personnel into a fixed team structure (refer to team board). We have three sections in Installations: Radio-Radar, Outside Plant, and Inside Plant and Teletype. Each of these sections is headed by an NCOIC directly responsible to the Installations Officer. The installer personnel in each of these sections are established in permanent teams with a Team Chief heading up each team. These teams have been purposely kept small to provide the maximum of flexibility, in that teams can be assembled and dispatched to any type of job. If the job is small, you do not have excess of people on location with nothing to do. If a large job come up, you combine two or more teams to provide the required personnel, with the senior Team Chief in charge of the Job.

We have purposely mixed the AFSC's of our team personnel. We do not have enough specialized work to justify teams composed of only Heavy Radio, only Navigational Aids, only Light Radio, etc, and still keep all personnel working all of the time.

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By experience, the mixed AFSC's team structure has allowed us to send any team to any type of job, with excellent results, thus allowing us the maximum utilization of all of our installation personnel.

Another of our management tools is the Team Chief's Folder:

This Folder is directive in nature and contains all of the administrative and policy authorities required by the Team Chief to accomplish his mission. Squadron Policy Letter No. # 12 lists all the actions required prior to departure, while on Site, and upon return from TDY of the Team Chief.

The Folder further contains copies of all documents requiring reports from the Team Chiefs, Installation Practices Bulletins, Safety Bulletins, etc.

The Team Chief's check list is another of our management tools.

This list outlines all of the actions required prior to departure, on the Job, during emergency conditions and upon return to the Squadron.

We do have a problem in Installations: This is the unbalance between the authorized and assigned Radio-Radar and Outside Plant AFSC. We are authorized 33 Radio-Radar AFSC's, and only 20 Outside Plant AFSC's. It is very seldom that a Radio or Radar team goes on an installation job when an Outside Plant team is not required. We have six (6) Radio Teams and one (1) Radar Team in the Squadron and only four (4) Outside Plant teams. This has caused us to have to request Outside Plant assistance from European GEEIA Region on numerous occassions. Luckily European GEEIA Region has been able to support us on every previous occassion, even if these GEEIA personnel have not been indoctrinated to installation practices of the high standards required by this Squadron

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We have taken action to correct this unbalance by the submission of an UMD change requesting conversion of surveyor and draftsmen AFSC's previously assigned to engineering duties, to Outside Plant spaces, to provide for personnel for an additional Outside Plant team.

The retention of qualified GEEIA installation personnel within the Command is a very critical problem to the Installations Section. This matter however will be covered by another speaker during this briefing.

I wish to state it is a critical problem which I feel can be solved by close control of reassignment policies.

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THE

SPANISH AC & W

INSTALLATION

PROGRAM

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Thank you Captain Cox. General Root, Colonel Brombach, Colonel Hope, gentlemen, one year ago, standing in the same place and addressing almost the same distinguished group, I made some interesting predictions on the installation schedule of the Spanish AC & W Program. The one that stays particularly in my mind was the promise to General Neal to have the program complete by January of 1960 provided there were no supply shortages. In fact, the program was just completed on the thirteenth of May, four months behind our predicted time. Needless to say there were shortages in supply. I am very happy to report that there was not one delay caused by GEEIA. GEEIA installation personnel were on site on the appointed day ready to work.

At the time when we assumed the direction of this program there were one hundred and three active schemes, two schemes that still required engineering, only one of the seven stations in operation and represented an investment of $14,000,000.00 to the Air Force not counting the value of the construction program and real property. The program was from one to three years behind schedule according to PCSP operational dates.

This presentation is essentially one of constructive criticism with appropriate recommendations. We are uniquely qualified to present the woes and worries that plague the installation group, the GEEIA squadron, since all the problem areas, engineering, supply, transportation and manpower were viewed through the eyes of a single person. Thus, the picture is clear and the problem areas sharply defined.

First gentlemen, I would like to present a philosophy, a philosophy that when translated to action results in completed installations on schedule. In some circles it is considered radical since it is based on the assumption that all agencies exist to support the installer or the team chief and not

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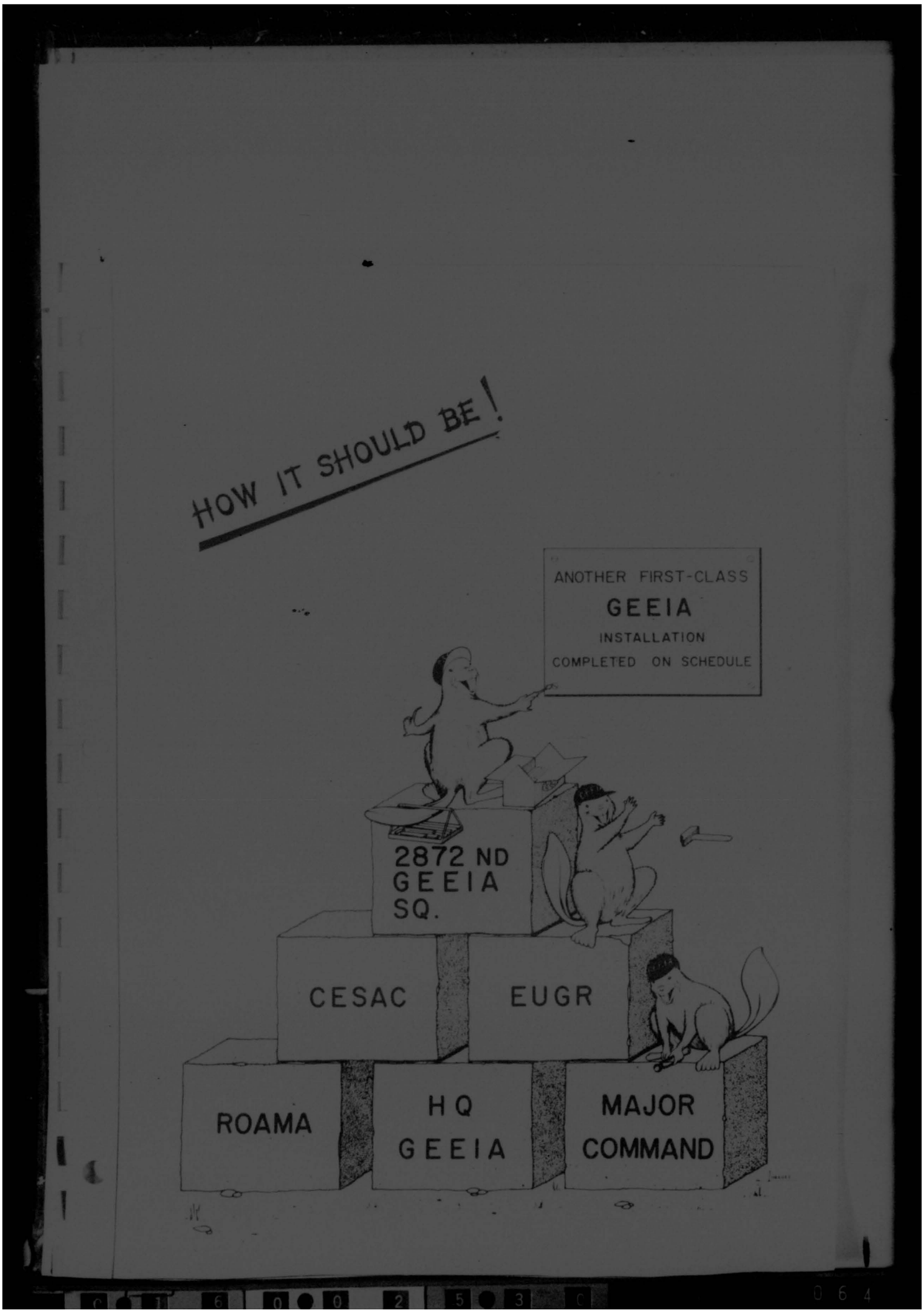

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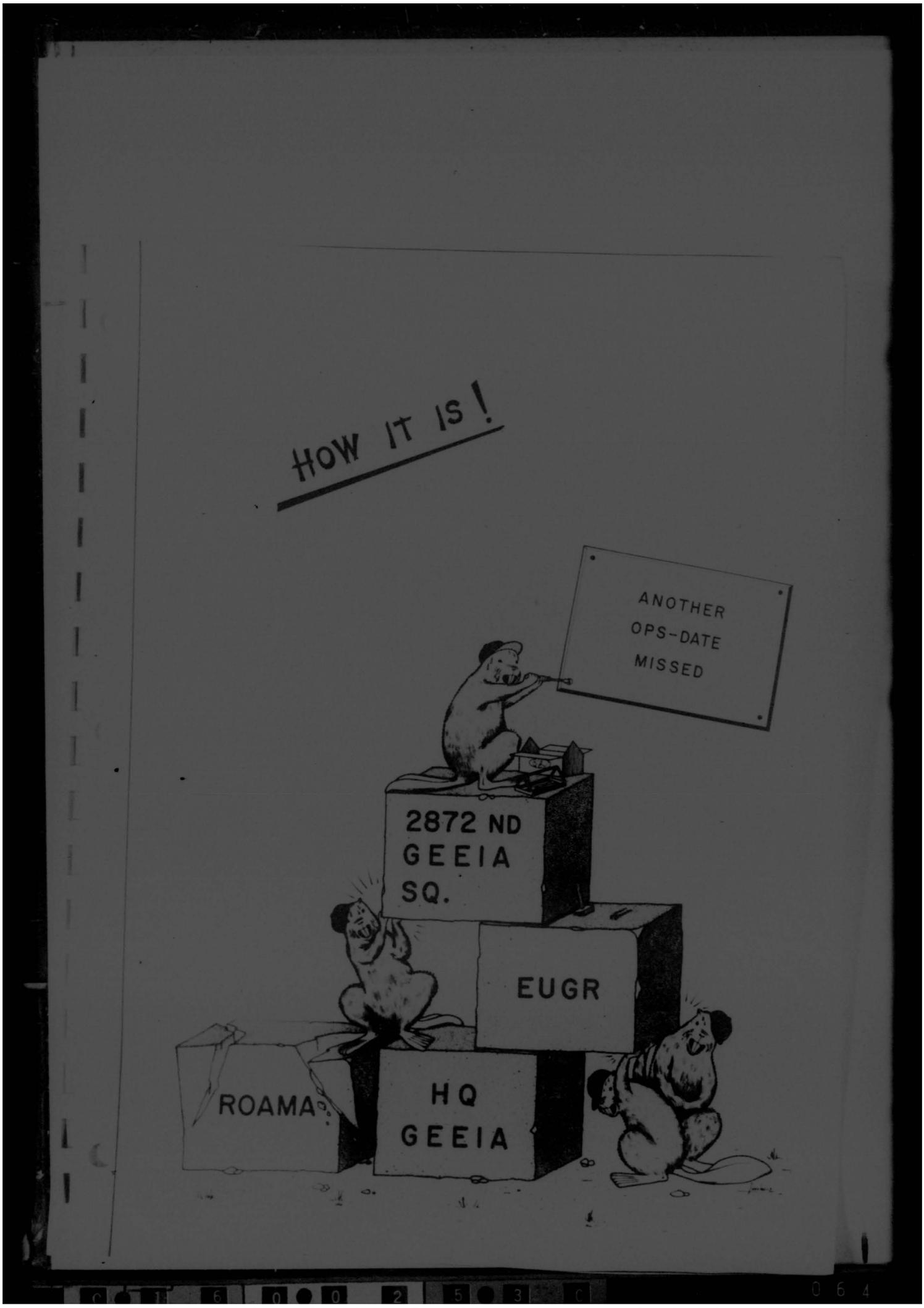

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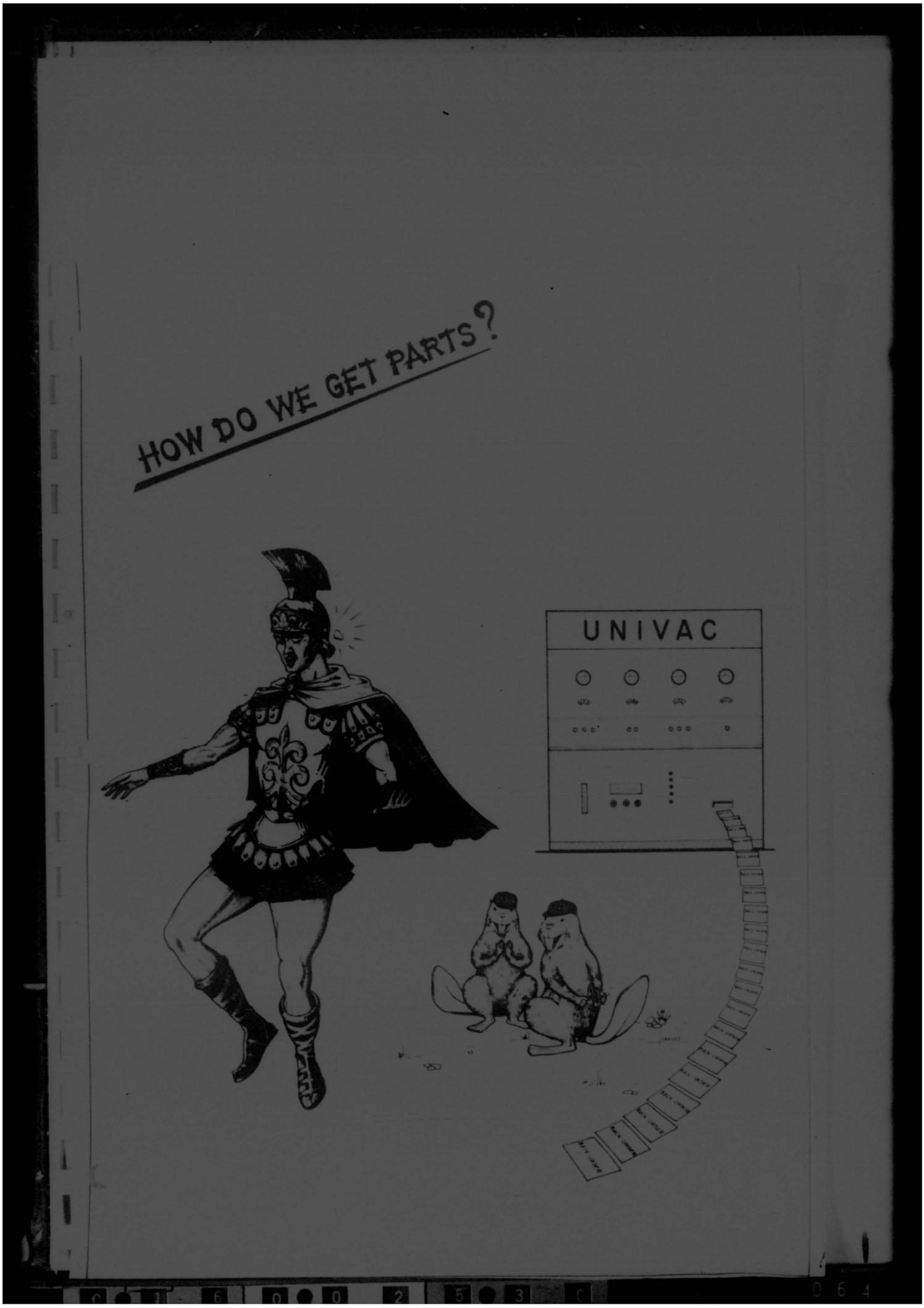

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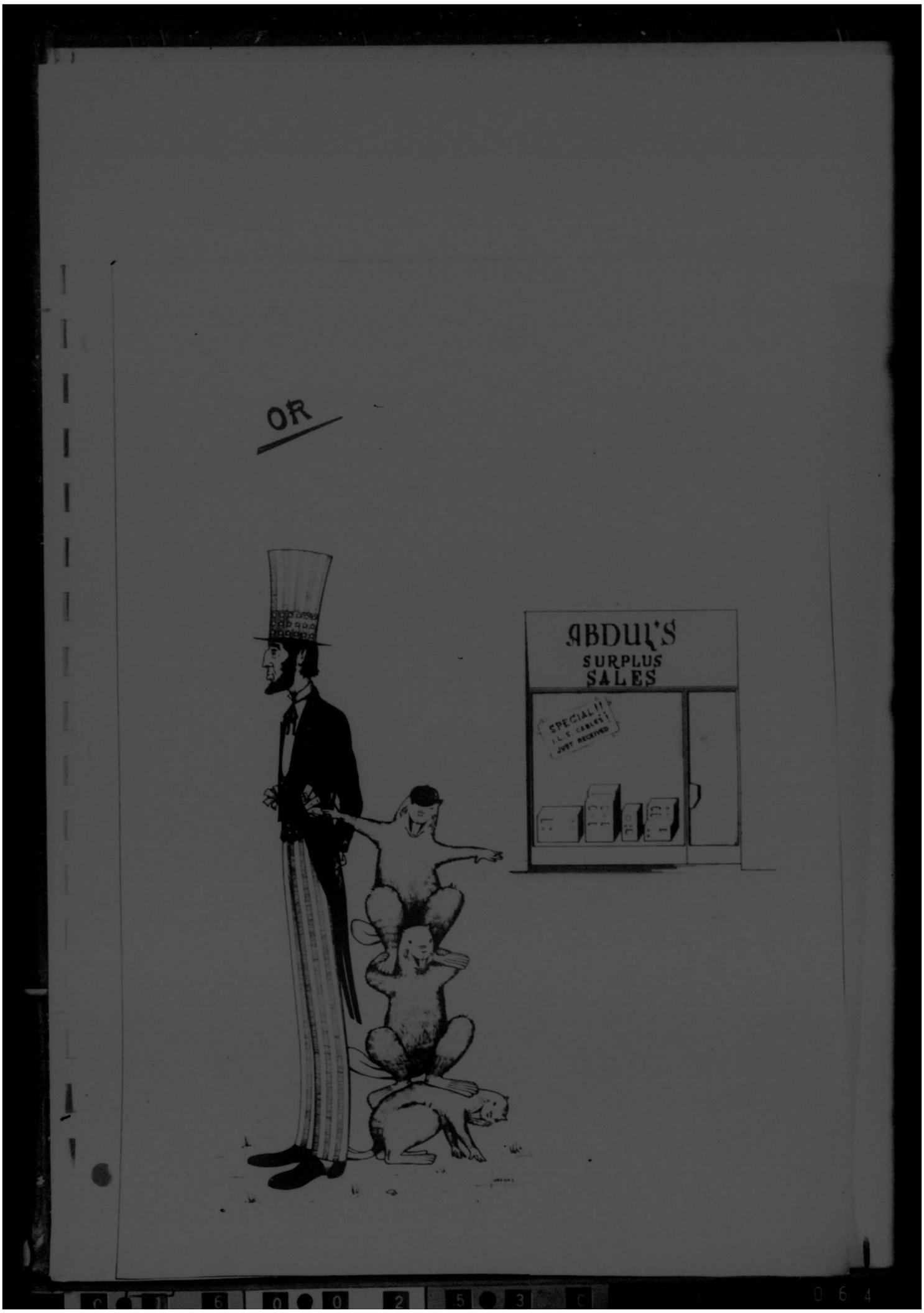

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vice versa. In chart form it looks like this, with the foundation composed of the Major Air Command, Headquarters GEEIA and ROAMA. Directly supporting the Squadron are CESAC and the GEEIA Region. When all units support as shown, the result is "Another Installation Completed on Schedule". This is our ideal. Now we shall examine the actual conditions as they exist. Two important blocks are missing and one of them, the very foundation upon which we must build! When supplies are on hand and the installation team available, the squadron can normally cope with any lack of base support. However, a CESAC failure puts us completely out of business since we cannot install what we do not have on site. Supply then is the lifeblood of GEEIA and an improperly functioning supply organization can bring ruin and disgrace to GEEIA more quickly than any other item I can think of. Now you may well say that in most cases 99% of scheme property is shipped more or less on schedule and we admit this will make impressive statistics on line items or measurement tons shipped. However, in the installation, 99% supply efficiency represents 100% uselessness to the installer.

Since we do complete installations and we do get parts, how do the squadrons do it? First, by continual pressure on CESAC and second, by the tried and true military method of "moonlight requisition" or theft or call it what you will. I believe the polite word is "scrounge". This to us is an unattainable situation and we fail to understand why a program declared supportable by USAF cannot be properly supported by the supply agency.

In a word, our troubles were logistical. In more than a word they were, in the order of their importance, Supply, Transportation and Manpower. Leave us examine each of these in their own light.

In discussing supply, there is one favor I would like to ask of you. In

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future correspondence please delete the words "You will be advised" and "We are presently interrogating UNIVAC". We are interested in answers with firm dates and facts so we can plan our work. A truthful and factual answer will prevent much of the unpleasantness and embarrassment that was encountered in this program.

The major supply problems were; the almost total failure of the RPO program as outlined to us by Mr. Ward during his last visit here, the shipment of wrong items, arbitrary changing of MRD's, failure to re-supply items lost in shipment but still required to complete the installation, deletion of BOM line items without co-ordination and seeking refuge behind GEEIAR 100-6 on shipment of delinquent schemes and BOM line items. You will find documentation for these facts in TAB section of the final AC & W report. It would be well, if, at this point we analyze the RPO program as it pertained to the AC & W Program. A glance at this chart gives the story in a nutshell. We at this squadron have done our utmost to give the RPO program a fair trial. Our entire installation concept was based on the fact that the RPO system could and would function. SAC and the 65th Air Division were forced to activate two units and occupy two stations long before they had planned and all based on the fact that we sincerely believed the required supplies WOULD ARRIVE! I need not bore you with the details of the chagrin and embarrassment this organization sufferred when the system failed.

Second to supply, transportation ranks as the next problem. The problem areas here involve lost shipments, partial lost shipments, equipment damaged in transit and difficulties encountered in moving small shipments to and from the AC & W sites. This situation was made worse by the habit of making multi-mode shipments, failure to use conex containers and not making 100% shipment of scheme material.

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Last, but by no means least, was the manpower problem. Of these I will dwell on the most important, the total lack of professional standards found in teams assigned TDY to this unit from our sister squadrons in the United States. Not one installation performed by these teams passed the quality review of this squadron. The end result was that all work performed by these teams was reaccomplished by 2872nd GEEIA personnel. Gentlemen, we are and must be the professionals of the Air Force. The motivation for our installers must by necessity, be pride in a professional installation. All GEEIA personnel must act professional, think professional, train professional and then work as a professional. We are the experts! We must set the standards!

Before offering our solutions to the problems, let us take one more thing into consideration. This four month delay cost something. Let us examine the costs. This chart shows planned costs vs actual. The dollars are, quite naturally important. But of more importance is the waste of the one item that GEEIA cannot spare: Manpower and Mandays. These are even more important to us than money since it is with manpower that we install.

What are the solutions to our problems? They are not too complex. In supply we offer three. The first, and the one we would like to see, is to make the RPO system a functioning program. The RPO concept is by far the most intelligent solution to the C & E scheme supply problem. It should be brought into being by specific and detailed regulation that spell out functions and time-tables.

The second solution to the problem is a more expensive one and one that is a bit distasteful. This solution puts GEEIA into the supply business. It would mean setting up supply marshalling points and equipping them with the

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necessary manpower and equipment. In functioning, GEEIA would consolidate their requirements every quarter for the period beginning eighteen months from that date. ROAMA would ship to the GEEIA marshalling area where the scheme would be consolidated, items missing purchased and added to the scheme and then shipped to the required point. Manpower slots could come from CESAC, since if this system were adopted, CESAC would no longer be required.

The third solution, let the installation schedule follow supply availability is offered only because we can grace it with the title of a solution. It is completely undesirable.

The solution to the transportation problems are evident. One, the squadrons should be equipped with sufficient organic transportation to make them independent of the support base. A transportation specialist should be added to the squadron UMD. A highly flexible and responsive aerial transportation system should be on call to the squadrons. Conex containers should be used where-ever possible and last, do not split shipments.

The manpower solution is also quite simple. A professional standard should be set for all GEEIA personnel. As you recall, this squadron supplied a manual of Standard Installation Practices that could easily be used for this purpose. It would also be well to establish a roster of personnel who have special talents in the installation field. This would be an excellent tool for GEEIA to know the availability and whereabouts of these people. When a request for the particular skill that one of these people possess is received at GEEIA, orders can be quickly issued to send the man on his way to any point in the world.

Gentlemen, thank you very much for your kind attention. If there are any questions I shall be happy to answer them at the conclusion of the briefing.

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THE 2872ND GEEIA SQUADRON:

ASSUMED DIRECTION	1 MAY 1959
NUMBER OF ACTIVE SCHEMES	103
NUMBER OF SCHEMES NOT ENGINEERED	2
NUMBER OF STATIONS COMPLETED AS OF 1 MAY 1959	1
NUMBER OF INSTALLATION TEAMS TDY TO SPAIN ON 1 MAY 1959	1 RADIO TEAM 1 RADAR TEAM

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PROBLEM AREAS WERE:

1. SUPPLY

2. TRANSPORTATION

3. MAN POWER

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SUPPLY

1. LATE DELIVERY
2. SPLIT SHIPMENT
3. FAILURE TO SUPPLY ITEMS SHIPPED SHORT
4. NO CONEX SHIPMENTS
5. NO 100% SHIPMENTS
6. RPO FOLDER RECEIVED DELINQUENT OR NOT RECEIVED AT ALL

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RPO ANALYSIS

NUMBER OF AC & W SCHEMES CALLED OUT RPO	62
NUMBER OF AC & W SCHEME RPO FOLDERS RECEIVED	23
NUMBER OF AC & W RPO FOLDERS RECEIVED RIOR TO ARRIVAL OF EQUIPMENT	0
NUMBER OF AC & W RPO SCHEMES ARRIVING PLUS OR MINUS SEVENTY TWO HOURS OF MRD	0
NUMBER OF RPO SCHEMES SHIPPED IN CONEX CONTAINERS	0
NUMBER OF RPO SCHEMES CONTAINING 100% OF MATERIAL	1
NUMBER OF MANDAYS EXPENDED ON RPO FUNCTIONS:	
TDY	1.000
OFFICE	475
TOTAL:	1.475

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TRANSPORTATION

1. LONG LAG TIME IN POINT SHIPMENTS, E.G., TWO MONTHS FOR PRIORITY TWO SHIPMENT TO MOVE FROM PALMA DE MALLORCA TO THIS BASE, FIFTEEN DAYS TO MOVE FROM THIS BASE TO PALMA DE MALLORCA AND TEN DAYS TO MOVE THREE HUNDRED AND FIFTY ROAD MILES FROM THIS BASE TO ROSAS.
2. SPLIT SHIPMENTS. ON SEVERAL SCHEMES, MATERIAL HAS ARRIVED A PORTION VIA MATS, ANOTHER PORTION VIA LOGSEA AND A FINAL PORTION VIA AIR PARCEL POST.
3. EQUIPMENT DAMAGED EN-ROUTE DUE TO ROUGH HANDLING.
4. NO ADVANCE WARNING OF SHIPMENT WITH RESULTANT LOSS OF SHIPMENT BETWEEN ROME AND DESTINATION.

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MANPOWER

1. REQUIRED SPECIALTY SKILLS WERE NOT AVAILABLE
2. LONG TIME DELAY IN OBTAINING TDY PERSONNEL FROM THE UNITED STATES
3. POOR QUALITY OF WORKMANSHIP ON JOBS INSTALLED BY TEAMS FROM THE UNITED STATES. TEAMS DO NOT TRY FOR PROFESSIONAL QUALITY INSTALLATION
4. TEAMS SENT TDY TO THIS SQUADRON FROM UNITED STATES WERE NOT QUALIFIED TO TO PERFORM WORK

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COST ANALYSIS

THE PLANNED INSTALLATION COST FOR SIX STATIONS FROM 1 MAY 1959 TO THE PLANNED END OF THE PROGRAM, 31 DECEMBER 1959, VERSUS THE ACTUAL COST FROM 1 MAY 1959 TO THE DATE OF ACTUAL COMPLETION, 13 MAY 1960.

	MANDAYS PLANNED	MANDAYS ACTUAL	COST PLANNED	COST ACTUAL
RADOMES	1,280	3,500	$ 24,217,00	$ 51,862,00
RADAR	450	1,620	$ 6,377,60	$ 18,997,60
RADIO	1,260	2,460	$ 15,512,56	$ 29,137,12
TTY	60	150	$ 1,391,64	$ 2,291,64
TELEPHONE	420	720	$ 6,179,10	$ 9,275,10
BENDIX	1,050	1,800	$ 105,738,00	$ 114,387,58
RPO	360	1,000 +	$ 3,832,03	$ 10,928,32
TOTAL	4,880	11,250	$ 162,797,93	$ 236,879,36

INCREASED COST WERE DUE TO:

1. FAILURE OF SUPPLIES TO ARRIVE ON TIME RESULTING IN INSTALLATION SLOWDOWNS.
2. POOR WORKMANSHIP ON THE PART OF INSTALLATION TEAMS SENT TDY TO THIS SQUADRON. THE WORK HAD TO BE REAC- COMPLISHED.
3. BAD WEATHER. THIS ACCOUNTER FOR APPROXIMATELY 2,250 MANDAYS.

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SOLUTIONS

I. SUPPLY

A) CESAC BE FORCED INTO OPERATION WITH REGULATIONS SPELLING OUT STEP OPERATION. AND TIME SCHEDULES.

B) GEEIA GOES INTO THE SUPPLY BUSINES AS FOLLOWS:

(1) SQUADRONS AND REGIONS SUBMIT TO HEADQUARTERS GEEIA AND ROAMA A QUARTERLY LISTING OF REQUIRED MAJOR ITEMS EIGHTEEN MONTHS IN ADVANCE OF REQUIRED DATE. ROAMA MAKES NECESSARY BUY.

(2) ROAMA SHIPS TO REGION MARSHALLING AREA ALL REQUIRED SUPPLIES REGION CONSOLIDATES AND ASSEMBLES SCHEME AND SHIPS AS SCHEDULED.

(3) ESTABLISHES A PURCHASING AGENT IN THE NEW YORK / NEW JERSEY AREA FOR OVERSEAS REGIONS

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PURCHASING AGENT PROCURES MINOR SHORTAGE ITEMS SUCH AS PLUGS, CONNECTORS AND CABLE REQUIRED TO COMPLETE SCHEME FOR SHIPMENT

(4) DE-ACTIVATE CESAC AND APPLY SPACES GAINED TO THIS OPERATION.

C) ELIMINATE ALL IDEAS OF FOLLOWING PCSP OPERATIONAL DATES AND LET THE INSTALLATION SCHEDULE BE DETERMINED BY SUPPLY AVAILABILITY.

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2. TRANSPORTATION

A) SUPPLY SUFFICENT VEHICLE TRANSPORTATION AND DRIVES TO THE SQUADRONS TO MAKE THEM INDEPENDENT OF BASE TRANSPORTATION.

B) PROVIDE C-123 TYPE AIRCRAF TO THE GEEIA REGION FOR ON-CALL USE BY THE SQUADRONS OR DEVELOP AGREEMENTS BETWEEN GEEIA AND THE CONCERNED COMMAND TO PROVIDE ON-CALL AIRLIFT WITHIN 24 HOURS AS REQUIRED.

C) PROVIDE A CARGO TRANSPORTATION TO THE GEEIA SQUADRONS.

D) USE CONEX CONTAINERS FOR SCHEME SHIPMENT WHERE-EVER POSSIBLE.

E) MAINTAIN SCHEME INTEGRITY BY USING ONLY ONE METHOD OF TRANSPORTATION, THAT IS, SHIP THE SCHEME 100% COMPLETE EITHER BY LOGSEA, MATS OR OTHER METHOD OF TRANSPORTATION.

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3. MANPOWER

A) ESTABLISH GEEIA QUALITY STANDARDS AND INSTRUCT EVERY MEMBER OF GEEIA IN THEIR USE AND MEANING. THIS WILL ESTABLISH A UNIFORM PROFESSIONAL STANDARD FOR EVERY GEEIA INSTALLER AND ELIMINATE NEEDLESS RE-ACCOMPLISHEMNT OF WORK.

B) MAINTAIN A GEEIA-WIDE LIST OF PARTICULAR SKILLS AVAILABLE. WHEN SPECIAL REQUIRE MENTS ARISE, HQ. GEEIA CAN DESIGNATE FROM THIS LIST WHICH PERSONNEL SHALL BE ASSIGNED TO THE INSTALLATION OR PROJECT.

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SEMIANNUAL HISTORICAL REPORT

REPORTS CONTROL SYMBOL: AU-D5

1. NAME OF UNIT: 2871st GEEIA Sq. (AMC)

2. LOCATION: Wheelus Air Base, APO 231, New York, N. Y.

3. FROM 1Jan60 THROUGH 31Jul60

4. NAME AND LOCATION OF NEXT HIGHER HEADQUARTERS
Headquarters
European GEEIA Region
APO 332, New York, N. Y.

5. PERSONNEL STRENGTH (Last day of reporting period)

	OFFICERS	AIRMEN	CIVILIAN	TOTAL
AUTHORIZED	4	72	1	77
ASSIGNED	3	43	1	47
ATTACHED	None	None	None	None.

6. STATEMENT OF MISSION INCLUDING CHANGES (Continue on separate sheet)

The mission of the 2871st GEEIA Squadron is to install fixed ground C-E facilities and provide emergency depot-level maintenance of outside plant facilities within the prescribed area of responsibility; to develop and conduct technical training programs for unit personnel and for operating agency personnel during the installation phase; to perform GEEIA RPO functions as directed by the Commander, European GEEIA Region; to perform the inspection and acceptance of contractor installed facilities as directed by the Commander, European GEEIA Region; to prepare budgetary estimates and perform ancillary administrative action pertinent to the installation phase; to prepare and submit data and reports as required; and to perform such other functions as directed by the Commander, European GEEIA Region.

7. ORGANIZATIONAL CHANGES INCLUDING REASONS FOR CHANGE (Continue on separate sheet)

During the month of January, the squadron was informed that action would be taken to deactivate it by January, 1961. The reason for this is that the European GEEIA Region is consolidating GEEIA operations within its area of responsibility.

During the month of March, the Operations Section was discontinued and split up into the Program Support Section and the Installations Section, due to the fact that our Operations Officer rotated to the ZI and there was no replacement forthcoming.

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8. ADMINISTRATIVE PROGRESS AND PROBLEMS (Continue on seperate sheet)

PROGRESS

a. Cross-training in Personnel and Administrative Section was continued.

b. Continuance of the quality control and NCO prestige programs, the Airman's Council, and squadron formations and inspections, the purpose being to keep morale at a high level and to accent discipline and military bearing.

c. The squadron kept all supervisory personnel abreast of the current correct methods for completing AF Form 75.

PROBLEMS

No major problems were encountered in the administrative field.

7

9. MISSION PROGRESS AND PROBLEMS

PROGRESS

a. The squadron completed 41 schemes and 16 jobs during the period covered by this report.

b. Due to the proposed deactivation of the squadron, preliminary action has been initiated to send personnel and equipment to other units within the European GEEIA Region's area of responsibility. During the period covered by this report, 5 airmen and 2 contract technicians have been reassigned to Hq., European GEEIA Region, 2 airmen have been reassigned to the 2874th GEEIA Sq., and 5 airmen have been reassigned to the 2872nd GEEIA Sq. Also, all drafting and surveying equipment has been sent to Hq., European GEEIA Region and all equipment coded LP on the UAL has been sent to Operating Location No. 1 of the 2872nd GEEIA Squadron at Athens, Greece.

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9. CONTINUED (Continue on separate sheet)

PROBLEMS

a. Material Required Dates for C-E Scheme materials are not being met, with the result that we are not able to adequately program our workload with any degree of accuracy.

b. Formal approval for deactivation of our squadron has not been forthcoming from higher headquarters, with the result that we are not able to proceed with this activity. However, this approval should be forthcoming shortly.

10. ADDITIONAL REQUIREMENTS (Continue on separate sheet)

a. Nine men received letters of appreciation from the commanders of operating agencies for which they did installation work.

b. Seven airmen received promotions during the period covered by this report.

c. Nine airmen received the Good Conduct Medal during the period covered by this report.

d. During the period covered by this report there has been one 39-17 board action.

11. LIST OF SUPPORTING DOCUMENTS (Continue on separate sheet)

A. GENERAL ORDERS
B. ORGANIZATION CHARTS
C. MISSION DIRECTIVES
D. VITAL STATISTICS
E. ROSTER OF KEY PERSONNEL (Include position and date assigned)

PREPARED BY	APPROVED BY
ROBERT C. FROSKE, 2NDLT, USAF, ADMIN O.	FLOREST G. WYCKOFF, CAPT, USAF, COMMANDER

AF-WP-O-SEP 58 8,200

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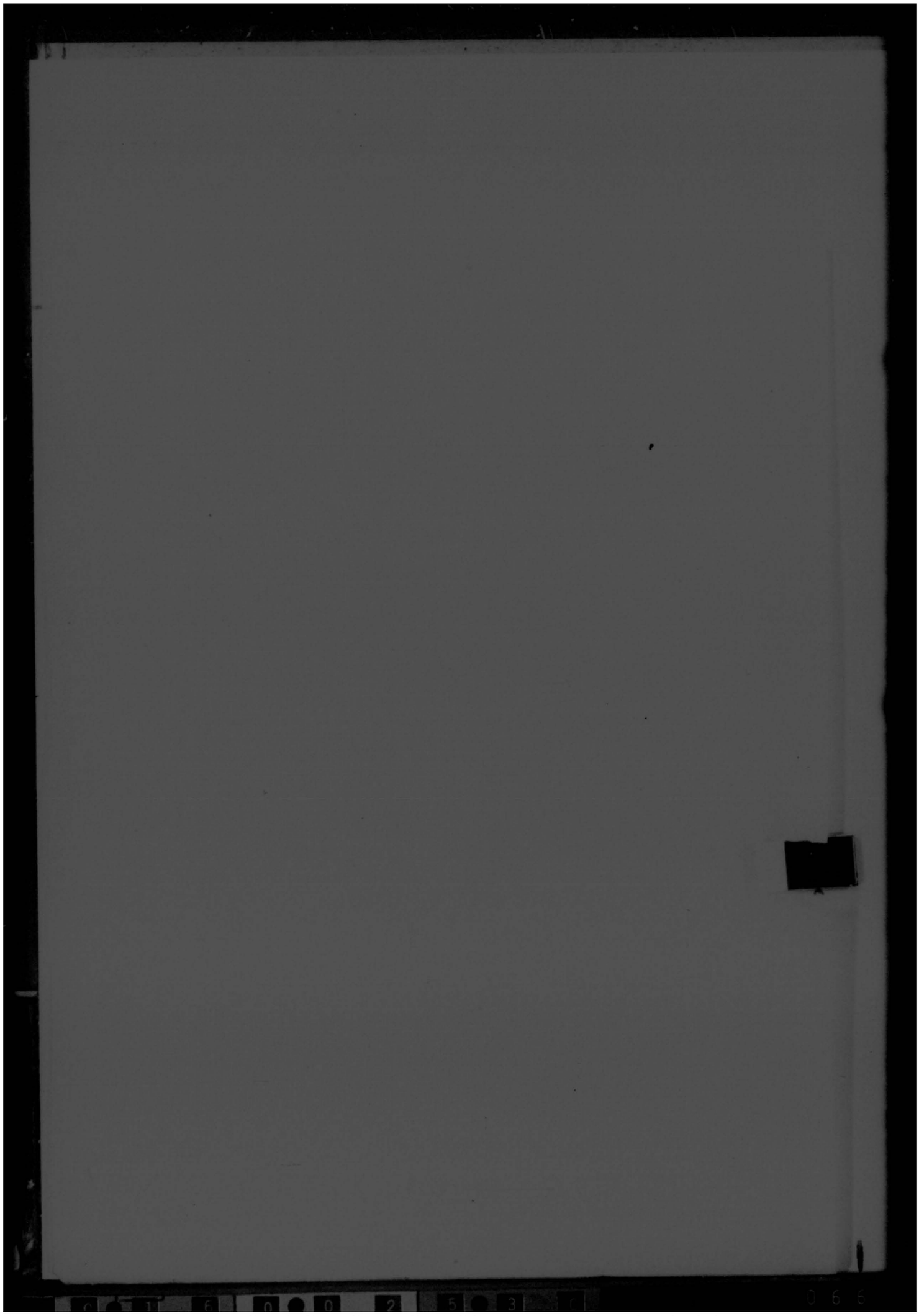

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HISTORY OF THE HEADQUARTERS WESTERN GEEIA REGION

1 JANUARY 1960-30 JUNE 1960

Headquarters
Western GEEIA Region (AMC)
McClellan Air Force Base, California

Compiled by
Captain William M Taylor
Historian

Approved by:

CHRISTIAN D KAUFFMAN
Colonel, USAF
Commander

GROUND ELECTRONICS ENGINEERING INSTALLATION AGENCY,
ROME AIR MATERIEL AREA,
AIR MATERIEL COMMAND

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FOREWORD

Acknowledgement and appreciation to the following personnel for their contributions to this narrative history: Wanda Allen, Dorothy Burgeson, and Shirley Dunn, ZSF; Bill Simmons and 1/Lt Roy Akaki, ZSS; Major Conrad C. Budney, ZSQ; Sherrod Upton, Leland Popejoy, Robert Beston, and Ann Fordham, ZSM; S/Sgt Fred Wallace, T/Sgt Clifford Ellis, 2/Lt Donald Guillett, ZSA; and Historical Assistant, S/Sgt Ivan Sergent.

WILLIAM M. TAYLOR
Captain, USAF
Historian

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INTRODUCTION

Often do the spirits of great eras stride on before the era and in today already walks tomorrow if we have foresight enough to recognize it.

As the curtain was drawn on this reporting period, the Western GEEIA Region, as a whole had developed a mounting sense of awareness of the organization's stature and nurtured with firm convictions the seeds of success that were sown in 1958.

Today WGR can clearly see and feel the spirit of a great era looming just before it. One year ago the organization could not perceive this ideal, it hoped, it envisioned, it planned, but this spirit hovered unrecognized, concealed in the doubts, uncertainty, and growing pains of the new organization and its personnel.

The six-month period saw WGR reach the state and degree of maturity required to accomplish the assigned mission in a professional manner. Professional in the sense that it developed the skills and talents to readily identify the problem areas, established precedents, and gathered through experience the knowlege to adequately cope with the problem areas as they arose.

During the same period, the mission responsibility of the Region expanded and significantly enough, the process of expansion prescribed the clarification of our responsibilities and necessitated a realistic alignment of our efforts to our cause.

The equation of the improved managerial techniques already listed ushered in a period that reflected a mounting appreciation for, respect of, and confidence in WGR's capabilities.

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Take for example, the telephone call to the commander one afternoon a few months ago. A C-E director located at a base some 100 miles removed had a problem. An administrative line was out and a maintenance crew had worked in excess of 24 hours failing to locate the source of the difficulty. "Could you help us?" queried the director. Fortunately the problem was corrected without WGR assistance.

I relate this only to illustrate this point. The incident was a relatively insignificant event, no mission or tactical operation was hampered; but we would like to think that this individual's solicitation of WGR's aid at a crucial moment is symbolic and indicative of the growing respect for this activity's communication and electronic prowess.

WGR progressed considerably during the reporting period and it is hoped that this narrative history will give insight to the shortcomings, successes, and failures recorded during those six months as WGR passed its first anniversary milestone.

As we look back in retrospect and forward with anticipation we feel somewhat like RCA's president, David Sarnoff, when he said, "Electronics, in the race to achieve new triumphs, is run on the big track of Time on which there is room for all those who wish to compete. But.....there is no FINISH line."

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MISSION

In accordance with the policies established by the Chief of Staff, USAF, and as directed by the Commander, Ground Electronics Engineering and Installation Agency and other competent authority, the Western GEEIA Region is responsible for performing field engineering and installation of facilities to insure timely completion of approved ground electronics programs within the following geographical areas: The states of Washington, Oregon, California, Idaho, Montana, Wyoming, Nevada, Utah, Arizona and Alaska. The Aleutian Chain, Canada west of the 95 meridian, Baja, California and sites associated with the Vandenberg AFB test range.

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COMMAND

Colonel Christian D. Kauffman commanded Western GEEIA Region throughout the reporting period. Lt Colonel Richard S. Haines continued as Deputy Commander.

The Directorates, Staff Offices and Squadrons composing Western GEEIA Region as of 30 June were headed by the following personnel:

ZSA - Administrative Services	Captain William M. Taylor
ZSF - Plans and Programs	Captain Louis A. Shukle Mr. William Mendes (GS-13) Deputy
ZSQ - Quality Assurance Office	Major Conrad C. Budney Mr. Bruce G. Corrigan (GS-11) Deputy
ZSS - Director of Materiel	Major Forrest M. Winkle Mr. William Simmons (GS-9) Deputy
ZSM - Director Engineering/Installations	Major Harry W. DeWald Mr. Merle E. Smart (GS-15) Deputy
ZSME - Engineering Division	Major Bobbie L. Winn Mr. Sherrod W. Upton (GS-14) Deputy
ZSMI - Installations Division	Captain Jack L. Corder Mr. Oscar A. Schwartz (GS-13) Deputy
ZSMS - Engineering Support Division	Mr. Robert J. Beston (GS-10)
2867th GEEIA Squadron	Major Philip E. Huddleston
2868th GEEIA Squadron	Lt Colonel Hayden C. Slusser
2869th GEEIA Squadron	Major David T. Woodruff
2870th GEEIA Squadron	Major Derrill A. Hollerbach

Colonel Kauffman directed no major changes in the basic structure of the

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organization during the period. Minor changes were instituted as the various directorates deemed necessary to accomplish the job at hand in a fashion best suited to the available resources.

Outwardly the physical configuration of WGR differs little from the organization of 1959. But organizations, like humans nave personalities, personalities that are reflections of the beings that comprise the unit and these beings in-turn are rather accurate mirrors of those directing their efforts.

Let us say then that during the past six months the pulse of WGR beat at a different tempo. The WGR personality was a more accurate reflection of its directors as the confidence, dedication to cause, and desire exhibited by the command section filtered down to the lowest echelon and assuredly bonded together the many facets of WGR into a formidable force capable of exerting that extra effort that separates the great from the good.

Earlier in the year, our mission objective was vividly summated when Colonel Kauffman made a statement during a staff meeting that has since become the password to achievement in WGR. Said he, "Customer satisfaction is our greatest product".

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CHAPTER III

ORGANIZATION

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PERSONNEL AND ADMINISTRATIVE OFFICES

At the beginning of the reporting period the assigned strength of the Military Personnel Office consisted of 2nd Lt Donald B. Guillett as Personnel Officer and one Personnel Technician (73270). By the middle of June the assigned strength had improved by the assignment of a Personnel Superintendent (73290) and a Personnel Specialist (73250). Total strength for the Personnel Office at the end of the reporting period was as follows:

1 - PersonnelOfficer (7321)

1 - Personnel Superintendent (73290)

1 - Personnel Technician (73270)

1 - Personnel Specialist (73250)

1 - Administrative Clerk (70250)

1 - Manpower Management Technician (73370).

The increased personnel assignment somewhat alleviated the backlog of work and allowed assignment of responsibilities and preparation of written job descriptions.

The administrative office was not hampered by lack of personnel during the period. Two administrative supervisors (70270) and four administrative clerks (70250) were assigned. An increased workload in the special orders, classified and publications functions resulted from the buildup of the Region. On 8 January the Chief Clerk of the

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Administrative office, MSgt Gamaliel Woodruff, was assigned the additional duty as Region Sergeant Major.

There were no changes in the organizational structure of the Personnel and Administrative Offices during the reporting period.

QUALITY ASSURANCE OFFICE

During the period 1 January - 30 June 1960, ZSQ's authorized strength was thirteen, with a total of one military and two civilian positions filled.

During the period ZSQ has continued with the quality awareness concept advising ZSM of results of spotchecks of C&E schemes, IIC's, and site concurrence letters. In addition, ZSM is continually being advised of results of customer satisfaction visits and actions required to preclude recurrence of any difficulties in the engineering and installation phases.

ZSQ has been monitoring IG reports, trip reports, monthly activity reports, and has been advising offices of primary interest within the WGR of required action.

Future plans for ZSQ are to increase the UMD from thirteen to twenty-nine positions. These positions will be utilized by an Engineering Review Division and a Monitoring Division. The engineering division will basically operate on the same concept as the Quality Office has been in the past. The monitoring portion of ZSQ will spotcheck various C&E schemes being installed with emphasis on determining deviations among installations schedules, the H-1 report, and associated reports.

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Further, the squadrons will be spotchecked for excessive installation time, familiarity with equipment being installed, compliance with installations instructions and spotchecking of IIC's on the job. Results of the various spotchecks will be forwarded to ZSM for necessary action.

DIRECTORATE OF MATERIEL

The past six months, from 1 January 1960 through 30 June 1960, has shown recognizable progress in the manner of operations and accomplishments for the Materiel Directorate. As the previous six months, July through December of 1959 was a period of phasing out of regions and assignment of workload to the Western GEEIA Region, the problems presented during this time did take valuable time to resolve. As these problems were eliminated, it was then possible for the scheme monitors to give additional attention to each scheme in their assigned equipment areas. More equipment in the field and a reduction in delinquent schemes in the supply phase attests to this.

In April, an all out effort began to get delinquent schemes, due to lack of supplies, up-to-date. A review was made of every scheme scheduled for installation in FY 60. From this review, Western GEEIA Region accepted the responsibility to local purchase many items on schemes which were not available in the supply channels. This buying program has reduced the number of schemes formerly delinquent for material and has enabled the Installation Division to finish partially installed schemes or to begin the initial installation action.

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DIRECTORATE OF ENGINEERING-INSTALLATIONS

On 21March 1960, Major Harry W. DeWald assumed duties as the Director of ZSM, relieving Major Philip E. Huddleston, who was reassigned to the 2867th GEEIA Squadron as Commander. Merle Smart remained as deputy.

During the reporting period, considerable study was given to the elevation of the Installation Division and the Engineering Division to independent staff directorates. However, after thorough analysis it was determined to delay any reorganization action and retain the I&E structure intact for the present.

ENGINEERING DIVISION

In the historical reporting period 1 Jan 60 to 30 Jun 60, the mission of the Engineering Division was, in brief, to perform all communications and electronics engineering functions in support of Air Force Bases, AC&W sites, or other Air Force activities in the geographical area of Western GEEIA Region, including engineering requirements for Air Navigational Aids and, in part, Air Force Security Services facilities. Engineering of Air Navigational Aids was officially assigned as part of the Division mission on 1 Jan 60, transferred from Central GEEIA Region. In May 60, under terms of an agreement between Hq GEEIA and USAF Security Services, the Engineering Division began assuming responsibility for facilities of the latter agency with the rate of assumption determined largely by rate of capability build-up.[1] As of 30 Jun 60,

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approximately 50 percent of this workload had been transferred from USAFSS and assumed by the Engineering Division. On 1 Apr 60, responsibility for interference and radiation hazards surveys was integrated into the mission of the Engineering Division, transferred from the Installations Division.

On 1 Jan 60, the Engineering Division embodied an organizational structure having six branches at Hq Western GEEIA Region, one at Hill AFB, Utah, and one at Norton AFB, California; there were also Resident Engineer Offices at Vandenberg, Edwards, Francis E. Warren, and Fairchild Air Force Bases, reporting directly to the Division. To gain more effective management, the organizational structure of the Division was revised during this period to consolidate two branches having responsibility for similar commodities and to place the Resident Engineer Offices under a single branch which had the primary area of interest and involvement in their functions. This materially reduced the span of control of the Division. After these changes there remained seven branches total, well within accepted and readily managed limits. Incident to these organizational adjustments, and likewise to improve the Division's management, extensive delegation of responsibility and authority to branches was effected.

INSTALLATIONS DIVISION

During this period Captain Jack L. Corder was Chief of the Installations Division and Mr. Oscar A. Schwartz was Deputy Chief (beginning 1 Feb 60).

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Mr. Schwartz' arrival filled an important position in the division; however, several key positions remained vacant during the entire period. Despite this fact, Installations Division made much progress. Engineers worked more closely with the installation teams and operating agencies in the field, giving technical advice, maintaining better coordination and mutual understanding of problems encountered, and in general, creating a better working relation with these organizations which, of course, is conducive to more and better production.

ENGINEERING SUPPORT DIVISION

During the reporting period Robert J. Beston, GS-10, was the chief of the Engineering Support Division. The only major change occuring was the division's assumption of the responsibilities for Call Contract Monitorship on Type I call only.

As of January 1960 the Drafting Branch consisted of four sections and 22 personnel. During the following six months, despite a turover of both military and civilian personnel the branch has grown along with the WGR and now numbers twenty-seven. Space and manpower still remains the number one problem in this area.

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PLANS AND PROGRAMS OFFICE

During the course of this reporting period the Western GEEIA Region workload has increased the mission functions of this office, e.g. responsibility for USAFSS and AIRCOM workloads. ZSF strength is 18 personnel, 17 of which are authorized. 3 military are on extended TDY and 4 graded civilians are overages. Additional reporting requirements in the form of RCS ROZ-H2 (Special NAV-AIDS Status Report), Non-RCS Recurring Report (Meteorological Schemes by Base, PCSP Date and Equipment) and Non-RCS Recurring Report (Status of Fixed C-E Facility Program) have imposed further responsibility. We have expanded our organization from two divisions (Financial Management and Programs Management) to include a third Division (Plans and Evaluation Division) to effect a more efficient evaluation of Communications-Electronics plans and programs.

Operational guidelines in the form of proposed regulations have been developed and are presently in circulation for coordination. Western GEEIA Region Regulation 100-3, Scheme Delinquency Report and Western GEEIA Region Regulation 100-4, Engineering Weekly Status Report have been published.

In March the Plans and Programs Officer, Captain Louis A. Shukle, was assigned a Deputy in the person of William E. Mendes (Supervisory Electronics Engineer).

PLANS AND EVALUATION DIVISION: Responsible for determining requirements

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for present, future and long range C-E programs in order to determine factors necessary for the maximum utilization of WGR resources. Analyzes immediate and predicted problem areas and recommends courses of action to forestall critical situations.

Division has been in close coordination with Statistical Services in an attempt to resolve problems involving illegible characters on Forms 1A and 1B, duplicate copies of 1A Forms, incorrect data, and misinterpretation of remarks code procedures. Procedures prescribed in the 100-5 regulation and the program for processing scheme data on the 650 computer are not compatible. Coordination with Statistical Services (SMAMA) is expected to result in correcting deficiencies in the 650 computer program.

Chief of the Division is Edward Wojcik (Supervisory Electronics Engineer).

WESTERN ELECTRIC ADES OFFICE: The Western Electric ADES Liaison Office at Western GEEIA Region was established on 1 March 1959. Since that time and with their assistance three of the nine SAGE Sectors in our area of responsibility have become operational in the SAGE System. A continuing need exists in the operational sectors for the monitoring of the retrofit program for Time Divisioning Data Link (TDDL) and in the Frequency Diversity FD radar areas.

The close coordination existing between the W-E ADES representatives and the Region personnel has made possible a reduction in the number of W-E ADES coordinators located at the SAGE Sectors. Since three of our Sectors

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have become operational, the W-E staff at this Headquarters has been reduced from three to two personnel.

14WD (LIAISON): In February of this year CWO (W2) Richard H. MacKinder of 14WD, 4th Weather Group, AWS, MATS, McClellan AFB, was assigned as Liaison Officer to the Plans and Programs Office (with MSgt Schumacher as NCOIC) to monitor all matters pertaining to AWS C-E Facilities and to assist, whenever possible, with engineering, materiel, and installation aspects.

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ORGANIZATIONAL FOOTNOTES

Chapter III

1. Letter from ROZCMC to Western GEEIA Region, Subject USAFSS-GEEIA Agreement, dated 16 June 1960

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CHAPTER IV

ORGANIZATIONAL CHANGES

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ESTABLISHMENT OF THE HEADQUARTERS SQUADRON SECTION: On 21 March WGR announced the establishment of the Headquarters Squadron Section, an agency comprised of certain headquarters personnel, having the characteristics of a separate unit and to assume the status of a staff agency. Captain William M. Taylor was assigned the additional duty as Commander.[1]

It was to function as an administrative unit in monitoring personnel records, preparing morning reports, performing unit supply functions, and to relieve the WGR commander of certain routine disciplinary, supply and administrative matters.

On paper the formation of the Headquarters Squadron had certain other merits in that it would supposedly allow the Administrative and Personnel Agencies to operate as wing-level activity rather than in the dual capacity as an orderly room and staff agency simultaneously.

After three months of operation, it was concluded the squadron section as operating was not in consonance with good management practices and utilization of personnel for the following reasons:

The workload was such that no justification existed for additional personnel, officer or airman, and in many cases, division of responsibilities placed some personnel in the position of monitoring certain functions in both the headquarters squadron and the personnel and administrative section.

As mentioned in the Supply division portion of this history, this change revised organizational charts, a decrease in responsibilities did not occur since the Unit Supply was still under the Directorate of Materiel.

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By June, it was decided to eliminate the Headquarters Squadron as an organizational agency and establish it on paper only. Action has been completed towards this end and it is apparent that the original purpose of the squadron's formation can be adequately accomplished by one additional duty officer and a full time first Sergeant and clerk typist.

TENACY AGREEMENT AND MOVE OF THE 2867TH GEEIA SQ: As the last reporting period closed, the movement date of the 2867th had still not been determined and the tenacy agreement with SMAMA involving both the 2867th and the Headquarters remained unsigned, because of SMAMA's refusal to negotiate until their request for support spaces was acted upon. [2]

In late January, AMC informed SMAMA that their requirement had been presented at the Hq USAF Manpower Program Conference and was treated as a deferred requirement by Hq USAF and that no manpower allotments were scheduled for transfer. [3]

They were further instructed that the 2867th GEEIA Squadron would be physically relocated by 1 July 1960 and that their deferred requirement would receive consideration in the event resources became available.

SMAMA was to proceed with plans to assume the support requirements associated with the transfer of the squadron and comply with AFR 11-4 by insuring that the requirements of both GEEIA activities were met commensurate with the unit precedence established in USAF directives.

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Despite these instructions, SMAMA remained firm on their requirement for support spaces and negotiations on the tenacy agreement remained virtually non-existent.

Following his February visit to the West Coast, General Haskell E. Neal, GEEIA Commander witnessed the inadequacy of the squadron's split operation and initiated action to establish the movement date in mid-March.

In April, SMAMA retreated on their tenancy agreement stand as Colonel Kauffman refused to negotiate an agreement, the validity of which hinged on a requirement that neither party involved has the authority to resolve.[4]

The squadron's movement date slipped from March to April, and was eventually established by Headquarters USAF for 3 June.[5] In the interim SMAMA in turn expressed their willingness to accept the 2867th as a tenant, completed negotiations on the tenancy agreement, continued to press for and eventually received 14 spaces in support of the GEEIA activities located on McClellan AFB.

At the end of May the squadron had relocated the bulk of their supplies and equipment with the personnel following as scheduled on the established date of 3 June. By 5 June the squadron was in place and operating. At the end of the reporting period there were still approximately thirty airmen at Hamilton AFB awaiting overseas shipment, PCS to technical training schools or awaiting discharge. It was anticipated that all of these personnel would depart from Hamilton before mid-July.

CONSOLIDATION OF THE 2877TH AND 2869TH GEEIA SQUADRONS: After

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General Neal's visit in early February and receipt of AMC General Order #13, dated 5 February 1960, action was initiated to consolidate the 2877th GEEIA Squadron with the 2869th GEEIA Squadron. The consolidated squadron was to be known as the 2869th. There had been considerable indecision at GEEIA on the numerical designation of the squadron. Originally it was planned that the squadron would be referred to as the 2877th, but GEEIA reversed original intentions and selected the 2869th designation for obvious reasons.

On 9 February the commanders and division chiefs of the two squadrons met to discuss the necessary steps for consolidating the squadrons. By 3 March the consolidation was complete with no major problems encountered in the physical merger of the two activities.

At Region level, however, some difficulty was experienced in workloading this squadron as their capability was not in accord with the type work ordinarily scheduled by the Installations Division as indicated by the manpower utilization percentages for the WGR squadrons as follows:

January	88%
February	62%
March	74%
April	64%
May	74%
June	72%

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ORGANIZATIONAL FOOTNOTES

Chapter IV

1. Letter, ZSA to Western GEEIA Region, Subject Establishment of Headquarters Squadron Section, 16 March 1960.

2. 4th Ind, from SMAMA to Western GEEIA Region, Subject: Memo of Understanding, December 1959.

3. Letter, AMC to SMAMA, Subject: Logistical Support for GEEIA Activities, 27 January 1960.

4. 5th Ind, from Western GEEIA Region to SMAMA, Subject: Memorandum of Understanding, 5 January 1960.

5. Message, AFOOP-BU-PP, Headquarters USAF to AMC, Subject: Movement of 2867th GEEIA Squadron, 21 March 1960.

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CHAPTER V

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PERSONNEL

While there was an increase in overall totals of personnel assigned, this was not sufficient to meet increased workload and functional responsibilities occurring in the same period. Utilization of personnel, equally as important as numbers in any productivity consideration, was effected in diverse ways by a number of forced actions on the one hand and several calculated steps designed to increase personnel effectiveness on the other hand. In general, the necessity of relying more and more upon CTS and Call Contract personnel to perform engineering tended to, and actually did, decrease engineering productivity of career personnel force and other elements of the established work force. This result accrued from the extensive efforts involved in contract preparation, coordination, and continuing administration complexities; and the necessity of instructing contractor personnel in applicable work routines and engineering requirements. The increased contracting of engineering was adopted as an expedient to accomplish work requirements. This was considered to be of sufficient worth to off-set detrimental effects on efficiency and other areas. Personnel frustrations, lack of understanding, and feelings of insecurity were materially reduced and continuing progress is being made, Important procedures and policies were developed and placed in effect to enhance operations.

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MANPOWER

Prior to 1 January 1960 the Western GEEIA Region's strength authorizations of 53 officers and warrant officers, 626 airmen and 291 civilians, were reflected on AF Form 256, Unit Manning Document. From 1 July 1959 (date of publication) to 31 December 1959, changes to the UMD were published in the form of letters or messages from Headquarters GEEIA. This system resulted in considerable confusion within this Headquarters due to errors in posting, mislaid correspondence and lack of qualified personnel in the 733XO career field.

Effective 1 January 1960, this Region started receiving a machine run copy of Part II of the UMD quarterly, for the Headquarters and assigned Squadrons. This system has had a dual advantage in that personnel of Western GEEIA Region have been more cognizant of the current authorized strength, plus reflecting projected authorizations through a two year period. These projections have proven a great asset in planning and personnel utilization.

On 1 January 1960 (3/60), the authorized strength of Western GEEIA Region was 41 officers, 12 warrant officers, 630 airmen and 328 civilians, a total of 1011 spaces. By 1 April 1960 (4/60), the authorized strength consisted of 65 officers, 854 airmen and 317 civilians, an increase of 225 spaces. These authorizations changed little to the present date, with the 1 July 1960 (1/61) strength showing 64 officers, 850 airmen and 316 civilians, an overall increase during the past year of approximately 20%.

The following are some of the more pertinent manpower functions which have been accomplished since 1 January 1960 and are responsible for the present authorized strength:

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On 1 March 1960, the 2877th GEEIA Squadron, located at Norton AFB, San Bernardino, California, was transferred from Headquarters GEEIA to the Western GEEIA Region and absorbed into the 2869th GEEIA Squadron, same station. This transfer added 12 officers, 224 airmen and 1 graded civilian space to the 2869th GEEIA Squadron.

Effective 29 February 1960, a change in AFM 35-1 eliminated the AFSC's for warrant officers and as a result, 12 warrant officer spaces were re-classified to officer spaces.

Early in April 1960, this headquarters was instructed to submit three copies of our current Organizational and Functional Chartbook to Headquarters GEEIA. The only copy available at that time was contained in the Realignment Plan for three ZI regions, which as published by Headquarters GEEIA in July 1959. Each staff agency of the headquarters was contacted and a new O&F book was compiled reflecting the organization as it actually was, rather than following the UMD.

In view of the phase out of certain AFSC's and grades, particularly in the airman authorizations, this headquarters has submitted several UMD Change Requests to Headquarters GEEIA. The majority of these changes have been forwarded to Headquarters AMC for final approval, with no reply as of this date.

A Western GEEIA Regulation has been prepared which explains in detail the steps required to submit a change to the UMD. It is believed that this regulation will be an asset in enabling Squadron Commanders and Directors of staff

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agencies to plan more realistically and to take appropriate measures to maintain desired strength.

Using the 1 July 1960 Authorizations as a basis, the following is a list of projected needs, which, if fully manned, would result in an ideal and very realistic organization for Headquarters Western GEEIA Region: The figures used here represent the sum differences between present authorizations and the latest figure indicated by the Directorate concerned as to their ultimate requirements:

ZSA - requests an increase of 2 military spaces

ZSF - requests an increase of 19 spaces; 5 military and 14 civilian

ZSM - requests an increase of 289 spaces; 26 military and 263 civilian

ZSQ - requests an increase of 16 spaces; 12 military and 4 civilian

ZSS - requests an increase of 10 spaces; 5 military and 5 civilian

Overall increase required: 336 spaces; 50 military and 286 civilian (Gr)

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MILITARY PERSONNEL

Many of the problem areas confronting our military personnel picture during the period can be attributed to growth of the region and continued efforts to stablize and standardize personnel actions. Specifically a few of the significant problems were:

Authorized Roads and Grounds (AFSC 551X0) slots were pulled from the Western GEEIA Region UMD by Headquarters GEEIA. Our squadrons lost personnel who were operating heavy construction equipment and performing demolition duties. This situation created a serious problem for the 2870th GEEIA Squadron who was engaged in priority construction of communications facilities for the missile program. The problem was presented to GEEIA and it was agreed to temporarily restore these slots until completion of these projects.

Many times during the past it would have been desirable to reassign personnel surplus in one squadron to another squadron that had a serious shortage. Most attempts to accomplish this desire did not succeed due to long range forecasts of new personnel for the unit that was short. However, the units continued to be undermanned in critical career fields.

A large problem in the region has been personnel retention. Even though we are on the "buildingup," qualified personnel in the mission type AFSC's have not been available due to discharge and

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reassignment. Squadron Commanders have had to disrupt construction projects due to men being pulled off the job to be reassigned, go to school or be discharged.

Training has not been given the attention it deserves from a Personnel standpoint because of the lack of a Training Technician. The program has been established and procedures initiated within the squadrons however more emphasis must be placed on monitoring. Due to the attrition of skilled personnel an accelerated training program must be conducted.

In addition to the many problems encountered during the period, there were some noteworthy accomplishments. Through the efforts of the Personnel Office, units of the Western GEEIA Region achieved distinction by being awarded a National Safety Council award for our safety record. This award was based on our safety record for the period 1 June 1959 through 30 June 1960.

Total Western GEEIA Region assigned strength during the period

	Officers	Airmen	Civilian	Total
1 January 1960	56	697	296	1049
30 June 1960	66	923	314	1303

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CIVILIAN PERSONNEL

The civilian personnel picture of WGR reached some degree of stability during the period. The filling of engineering vacancies progressed at an acceptable rate; except for isolated cases in the supply and programming areas, all reclassification action had been accomplished to the satisfaction of the staff directorates; our authorizations remained relatively constant; and all key graded positions were occupied.

At the beginning of the period there were nineteen graduate engineer, electronic technician, and 1 draftsman vacancies. By 30 June the total was down to twelve vacancies, four of which were committed. Quality Assurance had four of these twelve vacancies and remained the only section whose capability to perform their mission was drastically effected by the inability to fill authorized slots.

In late March, ROAMA imposed a mandatory civilian manpower reduction on GEEIA. WGR's proportionate share totaled 9 during FY 60 and 3 more in FY 61.[1]

It was decided to accomplish this reduction from the 108 ungraded authorized spaces. The three ZI squadrons were instructed to initiate action with their servicing Civilian Personnel Office to reduce authorizations through attrition and other personnel actions without resort to a reduction in force procedure.[2]

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Because of an in-balance in authorizations versus assigned personnel, the 2869th with 6 overage personnel was forced to bear the brunt of the reduction. By 1 June, the attrition method of approach had accomplished little in the plan for reaching authorized limits and the 2869th and SBAMA were requested to initiate RIF action. By 15 August the RIF would be complete.

As these losses are incurred, it is conjectured that it will adverseley effect the capability of our installation squadrons. Losses will come from the secondary workload areas. We anticipate the increase in the number of projects let out for contract and an increase in required overtime.

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CONTRACTOR TECHNICIAN SERVICES PROGRAM

The CTS program was stabilized at the beginning of the year with the personnel breakdown as follows:

1 January 1960	Authorized	Assigned
Hq Western GEEIA Region	41	41
2868th GEEIA Squadron	48	48
2877th GEEIA Squadron (Reassigned to 2869th GEEIA Squadron)	15	15
30 June 1960		
Hq Western GEEIA Region	55	55
2868th GEEIA Squadron	47	42
2869th GEEIA Squadron	0	0

Four of the vacancies in the 2868th were due to the loss of Draftsmen in June. Of the 13 CTS personnel transferred from the 2869th GEEIA Squadron during the period only 5 line items were authorized for FY 61. The remaining 8 were assigned to Headquarters Western GEEIA Region additional line item authorization for FY 61.

During the reporting period 13 CTS terminated (7 in 2868th, 2 in 2869th and 4 in region headquarters). Of these losses 4 in the 2868th were draftsmen and 1 in the region headquarters was a draftsman. CTS draftsmen are not authorized for our Fy 61 program.

An initial CTS inspection was conducted by Hq GEEIA during the period.[3] Except for minor discrepancies; i.e., individial

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201 files for personnel, sign-in out register and attendance sheets, the overall administration of the program was satisfactory.

CALL TYPE ENGINEERS

During the period 1 January 1950 thru 30 October 1960 there is reflected an engineering workload of 104,160 manhours in excess of Western GEEIA Region engineering capability.[4] Due to the shortage of qualified civil service engineering personnel and the fixed limitation placed on the number of CTS personnel authorized, it was necessary to develop an engineering schedule to include call type contract personnel. These people would be called for and work on specific jobs and would be released when the engineering workload was back to normal.

This course of action required realignment of office facilities to accommodate these additional people. It also created an additional financial obligation but could not be avoided if we were to reduce the engineering backlog and accomplish required work in time to meet command operational dates. End of the fiscal year strength in call engineers was 78.

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ORGANIZATIONAL FOOTNOTES

Chapter V

1. Message ROZAF, 3-141-E, to ZSA, Subject: Civilian Manpower Reduction, 25 March 1960.

2. Message ZSAM, 3-71-E, to Squadrons, Subject: Manpower Reduction, 29 March 1960.

3. Letter, ZSC to ROZP, Subject: Initial CTS Inspection, 9 June 1960.

4. Letter, ZSC to ROZ, Subject: GEEIA Call Contracts, 21 May 1960.

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CHAPTER VI

SUPPORT ITEMS

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MATERIEL PROGRESS

WIRE SECTION: The Wire Section, monitoring inside and outside telephone equipment, maintained continuity in installation by furnishing funds when needed, procuring equipment by initiating purchase requests and by local purchase action by personnel in ZSS. The missile bases continue to present daily problems as new schemes are engineered for immediate delivery of the required equipment. As this has become the normal procedure for the missile bases, the scheme monitor can and does take priority action to meet these "stepped up" requests.

RADAR SECTION: In the Radar Section, it was noted in the last historical report, that the first FPS-7 Radar Set was received for installation in the Western GEEIA Region. Since then receipt has been acknowledged on three others. These sets have become a "head-ache" to the scheme monitor due to concealed shortages in the original shipment and numerous replacement parts required during installation. These parts have not been available at the contractor for immediate shipment and delays in installation have been encountered. With the knowledge gained during this period, the future FPS-7 should prove less troublesome.

SAGE: Interim radio installations to meet the Sage operational requirements has placed a strain on the monitor of radio schemes. Substitutions where possible, local purchase action and relocating available material assets were required so as to have the material on hand to meet the established operational dates. Other defense sectors are in the process of installing on an interim basis; so many hours in the months ahead will be directly utilized towards

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meeting SAGE committments.

NAVAIDS: Increased action in the Meteorological and Nav-Aids areas has been felt in the past six months. The Air Weather Service has requested an improvement in the number of schemes delinquent in supply and a definite improvement has been shown. Closer surveillance to their schemes has placed more material in the field for installation. Nav-Aids is another area where stress was placed to improve the past picture. This was done and ILS, RAPCON, and TACAN systems are not a problem area in the Directorate of Materiel.

GENERAL: During the past six months, ZSS was alloted a total of one hundred seventeen thousand dollars ($117,000.00) to be used to purchase material and supplies in the support of C-E Schemes. This sum of money was obligated during this period and played an important part to eliminate delinquent schemes. Since the workload of ZSS has doubled and additional responsibility has been placed on the scheme monitors, a reevaluation was made of their positions. The review revealed the job growth and the positions were adjusted to the satisfaction of all.

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SUPPLY DIVISION

In addition to operations, problems, and accomplishments directly connected with scheme support, the Directorate of Materiel has another area of responsibility which contributed to the overall mission. This responsibility involved management of Unit Supply activities including staff surveillance of Unit Authorization List (UAL) functions in each Squadron within Western GEEIA Region.

The lack of sufficient personnel to adequately review UAL Change Requests and perform related work during 1959 was alleviated to some degree in February 1960 when First Lieutenant Roy E. Akaki and T/Sgt Donald L. Schuetrum were assigned to the Supply Division. The increase in personnel helped in more effective accomplishment of tasks pertaining to UAL equipment studies and recommendations. Also, it became possible to establish a regular schedule of quarterly administrative staff visits to Western GEEIA Region Squadrons.

A comparison of the number of UAL Change Requests and corresponding line items on UAL changes received and processed during July to December 1959 and January to June 1960 illustrates the increase in workload. The following table shows the percentages of increase between the six month periods concerned.

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	July - Dec 1959	Jan - June 1960	Approx. Percentage Increase
UAL Change Requests Received	28	148	428%
UAL Line Items on Change Requests	513	1,459	190%

In connection with UAL Management, a UAL Training Conference was held in April 1960. The two day meeting was held to instruct airmen representatives from each WGR Squadron and WGR Unit Supply on the UAL system in general as well as on the proper way to accomplish UAL Change Requests. Previously, subordinate units were submitting work with many errors which hampered the overall operation by increasing workloads and lengthening paperwork processing time. Benefits from the conference were brought out not only in favorable comments from the participants but also by the marked reduction of discrepancies on UAL Change Requests received since the conference.

Growth of Western GEEIA Region Staff Offices meant growth of Unit Supply tasks. Old and worn out office furniture had to be replaced with new equipment obtained through constant liaison with Base Supply. In the infant days of WGR, only furniture fit for salvage could be obtained. Further expansion of WGR made it plain that more stringent control of office equipment was necessary.

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Consequently, WGR HOI 67-1, dated 22 April 1960, was compiled to regulate Unit Supply functions.

Western GEEIA Region letter of 17 March 1960, Subject: Establishment of Headquarters Squadron Section, provided that the organizational lines of Unit Supply would be transferred from the Directorate of Materiel to the Commander, Headquarters Squadron Section. While this change revised the organizational charts, a decrease of responsibilities did not occur since the Unit Supply Officer was still under the Directorate of Materiel.

The period between January to June 1960 brought about a noticeable increase in stability within the Directorate of Materiel. The assignment of additional qualified personnel and experiences gained have led the Directorate towards greater maturity.

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ADMINISTRATIVE MANAGEMENT

ADMINISTRATIVE: Problem areas were few and accomplishments numerous. The workload has doubled in the classified and special orders functions. A total of 646 temporary duty travel orders were published during the period amounting to 5454 mandays of temporary duty. The increased travel is evidenced by the fact that during the entire calendar year of 1959 only 780 travel orders were published.

The operation of the Classified Section was reviewed during March and it was determined that de-centralization of the file would increase efficiency and reduce lag time in making classified information available at the working level. Security procedures were established and approximatley three hundred documents were transferred to the Plans and Programs Office, Government Wire Branch and the Installation Division. During the transfer the account was completely screened thus enabling the custodian to destroy 614 documents. Five hundred and forty two documents were received in addition to 163 separate shipments being dispatched from the headquarters.

PUBLICATIONS: A slight problem arose during the organization of the Western GEEIA Region Engineering Branches at Norton AFB and Hill AFB and the GEEIA Resident Engineer Offices at F. E. Warren AFB, Fairchild AFB, and Vandenberg AFB. GEEIA publications were being received in this Headquarters and had to be re-packaged for shipment to these various locations. Coordination was effected with Headquarters GEEIA to place these activities on automatic distribution of GEEIA publications. In addition, a publications problem existed

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within the 2868th GEEIA Squadron whereby the organization could not obtain AMC publications. SMAMA Base Publications was contacted and agreed to establish a separate account for the squadron and render them direct support. This had a favorable impact on the operation of the organization as until this time their ability to comply with AMC directives and meet suspense dates was hampered due to the non-availability of these publications.

GSA VEHICLES: The problem of obtaining Government Services Administration and Commercial rental vehicles while on temporary duty performing official government business was given lengthy study during the period. The present procedures of advance reservations, the billing system and liability insurance while driving a government vehicle, could be improved. Several meetings were held with local GSA officials with the end result negative. Legislation is presently before Congress to eliminate the liability insurance problems. GSA was asked to provide us with a National Credit Card to be utilized when renting commercial vehicles through GSA. This card would be controlled by this headquarters. GSA officials advised that the cost of bookkeeping and accounting required to initiate a national credit card system for use by its customers was prohibitive.

GENERAL: An administrative advisory council was established within the region during the reporting period. Administrative supervisors from each of the staff sections are members of the council with the Region Sergeant Major as permanent chairman. The purpose of the council is to review existing administrative practices and adopt new procedures or modify existing practices for a more efficient operation.

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FINANCIAL MANAGEMENT

A new concept in submission of the FY 61 Annual Financial Plan was implemented as a result of instructions from Headquarters GEEIA. Five by eight cards, indicating detailed line item scheme information, replaced AF Form 935 previously submitted as backup data to financial plan submissions, and budget estimates. A total of 689 cards were prepared, involving considerable manhours in research, compilation and computation by personnel of this Division. Implementation of the new system resulted in an increase of workload requiring the full time of one person to maintain these cards in current status in order to furnish up-to-date information to Headquarters GEEIA on a timely basis and adjust fund programs. As a result, the Financial Management Division was limited in its operation to the very minimum accomplishment of its assigned function.

On 28 January 1960, Headquarters GEEIA advised that our overtime would be limited to $26,000 for FY60 for a 1.4 annual percentage based on assigned strength. This limitation presented an acute problem in that overtime for the six month period 1 Jul 59 through 31 Dec 59, Hq Western GEEIA Region had already expended $24,761 or 2.72%. Action was initiated to Headquarters GEEIA to resolve this problem, as a result of which our overtime ceiling for for FY60 was revised for a total of $64,000 by Hq GEEIA.

On 9 Feb 60, the FY61 P437 Annual Financial Plan was forwarded to Headquarters GEEIA reflecting a total program requirement of $12,145.0

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The FY62 Budget Estimate indicating a total P437 program requirement of $8,416,500 was forwarded to Headquarters GEEIA on 1 April 1960.

The following is a brief summary of the financial position of Headquarters Western GEEIA Region by quarter for the last six months of FY60. (in thousands).

	3rd Quarter	4th Quarter
Obligation Ceiling	$6953.3	$9044.2 (Cumulative)
Obligations	$6857.6	$9041.9 (Cumulative)
Percentage of Obligations	98.6%	99.9%

A detailed status by object class and a comparison between the first 6 months of the Fiscal Year 1960 and the last 6 months are reflected.

See Attachment

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U-2 REPORT

In June of this year Headquarters GEEIA requested the GEEIA Regions submit a report reflecting progress of workload during FY60. This report was assigned RCS: ROZ U2(OT). The report was due at Hq GEEIA no later than 11 July for review and further dissemination to Hq USAF. Because of the vast amount of information required we attempted to complete this report by utilizing the historical file maintained by SMAMA Statistical Services. This PCAM card file reflects background data on the progress of our Communications-Electronics workload. This statistical approach proved unsuccessful basically because of the incompatibility between the 650 computer programming procedures and the instructions for processing the ROAMA H-1 Report as prescribed in GEEIA Regulation 100-5.

Manual analysis was performed by Programs Management Division personnel. To accomplish this it was necessary that we analyze each ROAMA H-1 Report that had been submitted from the beginning of the fiscal year. The results of this report indicated that although problems are still existing in our region in the completion of our workload on a timely basis we are making considerable progress toward eliminating delinquencies.

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DELINQUENT SCHEME REVIEW

During the week of 18 - 22 April 1960, delinquent schemes in the supply phase were extracted from the H-1 Report and personnel from ZSS and CESAC conducted a review to determine the supply status. The results from this review were most satisfactory.

Schemes which had been dormant for many months without action, schemes which have had less than satisfactory information furnished concerning supply status and schemes entering the delinquent phase pending shipping action were reviewed and discussed. Positive action was taken on BOM items that CESAC had available in their assets which could be released for shipment immediately. Other BOM items were to be purchased and shipped upon receipt by CESAC and the third factor was BOM items which Western GEEIA Region assumed responsibility to purchase in an effort to eliminate delinquent schemes. As previously stated, from the review and discussion, material began to arrive at Sites in greatly increased quantitites.

There still remains a few schemes in a delinquent status from this review. Items on schemes to be furnished from CESAC have not been shipped and there are items to be purchased by Western GEEIA Region which at the present remain on purchase order unsupplied. Future reviews of this type hold greater promise for two reasons.

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First, not all of the delinquent schemes were listed during the first review. The scheme monitors should be responsible to prepare an accurate scheme listing which in time will give Western GEEIA Region the second improvement. Not enough time was given to prepare an accurate item shortage for each scheme. With a scheme listing and the items causing the delinquent status, this will be a firm basis to begin the next quarterly scheme review.

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CUSTOMER SATISFACTION CONFERENCE

The activation of GEEIA resulted in many changes in the programming, engineering and implementation cycles in the Communications-Electronic Program. In order to discuss and brief the operating command customers on the current policies and procedures, it was decided to conduct a series of conferences hosted by WGR with the theme of "Customer Satisfaction".

Since the Air Defense Command is the Region's largest customer, this series of meetings was initiated with representatives of that Command on 9, 10, & 11 May 1960.

The conference was centered around the resolution of three main problem areas. (1) The accomplishment of technical modification to equipment prior to acceptance of the operational facilities. (2) The monitoring of status of schemes and installation progress at the operational level during the installation phase. (3) The difficulities in managing a constantly changing program.

ADC personnel were impressed with both the idea and the results of the conference. The overall evaluation indicated that the affair was beneficial to both GEEIA and ADC and that future meetings of this nature would receive their wholehearted support.

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CHAPTER VII

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ENGINEERING DIVISION PROBLEMS AND PROGRESS

The workload of theEngineering Division rose sharply during this reporting period. As of 1 January, there were approximately 900 schemes of all types in engineering; by 30 June, this number had increased to 1,253, approximate gain of 39 percent. This increase in the number of schemes in engineering occurred in the face of completed scheme actions of all types totalling 709. Causes of the rapid increase in number of schemes include assumption of Air Navigational Aid and US Air Force Security Services engineering responsibility and an increase in the rate of scheme generation by all Major Air Commands. Among the latter, and of particular significance as an engineering workload factor, has been the rapid expansion of communications requirements incident to the Strategic Air Command's Ballistic Missile Program. It was in this period that initial action was taken in engineering of intersite communications for the Minute Man Missile Sites, the first of these being in the vicinity of Malmstron AFB, Montana. In addition to increases in the number of scheme actions, a steady rise in the number of requests for technical assistance was recorded.

The net effect in the handling of C-E schemes included completed processing of 709 in all categories and of all requirement types. A total of 1,374 Commercial Service Authorizations were processed and work backlogs in this area were further reduced. The percentage of schemes not on schedule in the engineering phase rose from approximately 10 percent

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to 19 percent due, in part, to rapid increases in workload, assignment of already-delayed schemes incident to workload transfers, and below-normal work force productivity resulting from problem areas previously referred to and others described in succeeding paragraphs. The current outlook is for continual operational improvements. Among major individual project operations of singular significance are these:

Engineering incident to intersite communications facilities at Warren AFB, Mt. Home AFB, Larson AFB, Beale AFB, Malmstrom AFB, and Fairchild AFB Missile Complexes was completed or well advanced.

Initial steps were taken to build up an engineering capability for accomplishing interference and radiation hazards surveys and studies. Out of a total of 60 such projects assigned, it was possible to complete 28, with 19 of these by organic resources and 9 by contract. The present goal is to establish full organic capability in this field of work by the end of the Second Quarter FY 61. This is the objective of Hq GEEIA and will require additional personnel and specialized equipment.

Detailed engineering assistance was furnished to Edwards AFB in the preparation of a CEIP for an AN/FPQ-6 Missile and Satellite Tracking Radar. This is the first facility of this type for which this Division has performed engineering.

During May, a Radar Pre-installation Site Adaptation Engineering Conference was held. Representatives of the AVCO/Crosley Co., Hq GEEIA

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AFRCE-NPR/SPR, Hq ADC, Hq WADF, and this Division met to discuss and resolve the problems arising out of the AN/FPS-26 complexity and unique installation procedure. Other concerned Western GEEIA Region staff elements were invited and participated.

Project SHORT ORDER, modified to meet certain supporting structure limitations, was completed. The nature of supporting structure limitations will require later re-engineering and installation revision.

Traffic Surveys were completed at Vandenberg, Hill, March, Norton, and Edwards Air Force Bases. Data obtained was used to determine the quality of service being furnished by base telephone systems and as a basis for forecasting future equipment requirements.

Preliminary engineering for Project COMLOGNET applying to Norton and McClellan Air Force Bases was accomplished. Work was seriously hampered and delayed by repeated major requirements changes necessitating re-engineering in each case. Ultimate facility operational dates were not revised and likely cannot now be met.

Procedures were established and data was assembled to permit monitoring of a contract awarded by Hq GEEIA to the International Telephone & Telegraph Co., for preparation of Base Wire & Telephone System Development Schedules. Orders were issued to

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begin work at Vandenberg, Francis E. Warren, March, Edwards, McChord, and McClellan Air Force Bases.

Engineering of an extensive expansion of the Hill AFB administrative telephone system was accomplished. This was necessary to support AF Plant 77 facilities to be operated by the Boeing Aircraft Corporation incident to the Minute Man Missile Program for which Ogden AMA is prime manager.

INSTALLATIONS DIVISION PROBLEMS & PROGRESS

Approximately 320 Instllation Inspection Certificates (AFTO Forms 88) were signed during the period Jan-Jun 60. An improved method for completing and processing the IIC was implemented and the backlog which had accumulated was cleared. Installation Inspection Certificates are now being distributed in accordance with AFTO 31-1-8 within five to ten days after being received in this office.

The first facility installation schedule was prepared and has been refined to a point where it is a firm realistic working document which outlines present and future job assignments of the GEEIA Installation Squadrons of Western GEEIA Region.

Installations Division was reorganized and now has an Electronics Branch, a Wire-Communications Branch, and a Support Branch instead of the two (Electronics and Wire) branches. The new Support Branch provides functional grouping of services performed for

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both the Electronics and Wire Branches, such as work scheduling, contract services, and processing of paperwork (IIC's, etc.). This arrangement is proving to be a success as evidenced by the advancement made in work schedules, IIC's processed, contract services provided, and allows engineers and technicians to perform work more in line with their capabilities.

Most of the problems in Installations Electronic Branch were intra-WGR problems, however, there were areas of conflict that could only be solved with the cooperation of other agencies.

The bases and sites were frequently lax in completing supporting structures and allied requirements for schemes prior to time installation action is due to start. The MAC frequently overlooked this and still exerted pressure on WGR to complete the installation on time. An example of this was the March Air Force Base TACAN project.

The operating agencies were concerned about the long time delay between the signing of the AFTO Form 88 and the transfer of accountability of equipment. This problem is under resolution.

We have difficulty in obtaining certain specialized items on the BOM causing delay of the installation beyond the scheduled completion date.

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ENGINEERING SUPPORT DIVISION PROBLEMS AND PROGRESS

During the past six months period approximately 200 "as-built" schemes have been processed through the Plant-in-Place Branch. At the present time this branch is unable to meet the 45 day dead line as spelled out in T. O. 31-1-8. This is due mainly to the lack of drafting capability and the large increasing backlog on hand.

The Plant-in-Place workload has been identified as consisting of approximately 2000 man months, or 440 man months per fiscal year. We hope to alleviate this workload through the medium of package call contracts. In the meantime every attempt is being made to reduce the amount of drawings required per record, such as elimination of unnecessary details and the simplifications of drawings wherever possible.

A report control listing has been established for internal use on all "as-built" schemes in the Plant-in-Place Branch. This will result in an accurate completion report being sent to the Plans and Programs Office, Installations Division and to all agencies concerned.

A progress report record has also been established covering the listing of all Air Force bases and AC&W sites within the Western GEEIA Region by percentages as well as the completion and distribution dates for plant-in-place records. At the same time a Plant-in-

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Place SOP has been established to standardize the type of records and procedures for drafting, operating, and maintenance personnel.

During the period covered by this report the Drafting Branch has completed all the special projects and scheme drawings submitted by the Engine ering Division.

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LABOR RELATIONS

The start of construction of missile site facilities generated many problems in the labor relations field.

Union officials working on GEEIA projects at Vandenberg AFB alleged that military personnel were performing work which properly should be under public contract and covered by Davis-Bacon provisions.[1] Arrangements were made to have the SMAMA Industrial Labor relations chief contact the Union to see if the greviences could be resolved. Union officials were contacted and an agreement reached whereby contractor projects were defined. Further labor problems in the Vandenberg area were eliminated.

A similar labor problem developed in the installation of the Fairchild AFB missile sites.[2] Policies were originally established at a meeting with Union Officials on 19 November 1959 concerning civilian contractor personnel and military personnel performing work on projects in the same area. This meeting was generated by the fact that union officials had originally refused to authorize their men to work on any missile facilities in the Fairchild area if military personnel were allowed to work on the same projects.

On 24 February 1960 this headquarters forwarded a letter to the AFBMD Resident Officer at Fairchild AFB indicating dates that our military construction teams would occupy certain areas to start installation of main cable runs.[3] The OOAMA Industrial Labor Relations Representative was on TDY at Fairchild AFB during this time and he was informed of our installation schedule. He advised that we would certainly run into a labor problem if we worked in these

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areas as contractor personnel had not yet completed their work.

The OOAMA representative was informed that it was accepted practice to install mains and furnish cable stubs to a point of termination which would allow, when fanned out, ready access to any telephone pairs without distrubing the cable or stubs. As previously stated, Western GEEIA Region would install the main cable and run the stubs into the buildings through contractor built entrance ducts. The servicing out of the cable would be the contractor's job.

On 31 March 1960, the OOAMA Industrial Labor Relations representative telephoned this headquarters and stated that Union representatives in Spokane informed him of possible conflict by working military and union people within the same area. A meeting was held on 12 and 13 April by OOAMA and SMAMA Industrial Labor Relations Representatives, Western GEEIA Region personnel and Union Officials from Spokane. Basic differences were resolved and work proceeded on the Fairchild complex.

In instances involving strained industrial relations, past experience proves that the reason for these situations stems primarily from the lack of facts and/or adherance to directed operational procedures as dictated by DOD and the Air Force. To remedy these conditions, together with other types of industrial labor relations problems within the Western GEEIA Region area of responsibility, arrangements were made with the SMAMA Commander to utilize the services of the AMA Industrial Labor Relations people on all GEEIA labor relations.

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COMMUNICATION PROBLEMS AT F. E. WARREN AFB

In early March, Western GEEIA Region was informed of communications difficulty with the microwave installation between Francis E. Warren Air Force Base in Cheyenne, Wyoming and the missile complex sites surrounding the base.

It had been established that the marriage of Kellogg's K-60 satellite dial exchange with components installed by Collins was yielding unsatisfactory results. Each component performed satisfactorily as an individual unit, but the two were not compatible when geared to function together.[4]

On the surface, it was surmised that no major difficulties would be encountered in resolving the inadequacies and an inspection survey was initiated to locate the source of the malfunctions and to establish a course of remedial action.

However, as the survey team probed further into the Warren problem, it was discovered that what originally appeared to be a situation of slightly more than routine nature, blossomed into an incident of major proportions that eventually touched off repercussions at the upper echelons of all agencies involved.

The crux of the problem centered around the lack of coordination between Kellogg and Ballistic Missile Division, with Collins Radio and Western GEEIA Region. This was particularly so in instances where BMD had directed Kellogg's installation of components that deviated from the engineered specifications, a series of actions that precipitated the non-compatibility.[5]

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As a result of environmental conditions, many improvisions were made in an attempt to get the stations on the air. Due to short deadlines, in some cases the only item available that might do the job was used even though all concerned now agree that they knew at the time that the chances of successful operation were marginal.

On 22 June Western GEEIA Region hosted a meeting of all parties involved in the problem at Warren. The agencies represented were Headquarters SAC, 15th AF, Warren AFB Communications Office, Kellogg, Collins and Western GEEIA Region. The purpose of this meeting was to determine the basic reasons for the problems at Warren and the proper solution.[6]

At the request of 15th AF, Hq SAC, BMD and BMC, Western GEEIA Region accepted responsibility for the resolution of all technical communications regardless of who may have originated or signed the contract. All agencies agreed that Western GEEIA Region was the only activity with sufficient technical talent to accept such a mission.[7] With this backing Western GEEIA Region was prepared to move towards the elimination of the Warren microwave facilities as a major problem.

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NAV-AIDS PROGRAM

Near the end of 1959 it was agreed that Western GEEIA Region would accept over 15,000 manhours or roughly 20% of the Navigational Aids engineering workload.

Since none of the ZI Regions were adequately manned to accomplish the workload, Headquarters GEEIA took steps to redistribute the limited Nav-Aids resources in accordance with region apportioned FY 60 program. Central GEEIA Region was to release 7 spaces to Western GEEIA Region, to add to Western GEEIA Region's early January count of 5 engineers available for the Nav-Aids workload. This was far short of our requirement as outlined to GEEIA on 15 January in the form of a manpower analysis that called for 24 engineers, 8 draftsmen, and 5 support personnel.

The only response to this manpower study was a message from ROZAF stating that the study was being revised and if approved would be forwarded for inclusion in the total ROAMA quarterly requirements to Hq AMC.[8]

By assumption date of 15 March, the Nav-Aids program was given priority action and in order to meet operational dates calls were issued for 20 engineers, 2 draftsmen, and 2 clerks. Slippages in the Nav-Aids workload is presently attributable to unrealistic operational dates and material non-availability. It is planned to have the entire Nav-Aids workload current by 31 October 1960.

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CADIN

By April, the Programming Branch received a policy statement from Hq GEEIA regarding the Region responsibility to the CADIN program. Briefly, our only responsibility was to perform that technical assistance that might be requested of us from the GEEIA Systems Management Office on such matters as site survey, engineering problems, and acceptance of certain installations. It was established that the Ogden GEEIA Engineering Branch, who was then performing all engineering work and installation surveillance in the Canadian area, was to request job order designators from the programming office prior to performing technical assistance on this project. In this way we were able to readily determine how many manhours we expended on CADIN.

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ORGANIZATIONAL FOOTNOTES

Chapter VII

1. Letter, SMAMA to Western GEEIA Region, Subject: Labor Situation Vandenberg AFB, 5 February 1960.

2. Letter, ZSM to ZSC, Subject: Industrial Labor Relations, 31 March 1960.

3. Letter ZSMIW to AFBMD, Subject: Dates of Beneficial Occupancy 26 February 1960.

4. Letter ZSME to ZSC, Subject: Trip Report, 8 March 1960.

5. Letter ZSC to SAC, Subject: Resolution of Communications Problems at Francis E Warren AFB, 27 June 1960.

6. Letter ZSC to GEEIA, Subject: Francis E Warren Problem, 25 June 1960.

7. Same

8. Message ROZAF 2-65-E, to Western GEEIA Region, Subject: Manpower Justification for Nav-Aids Engineering Workload, 10 February 1960.

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APPENDIX I

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WESTERN GEEIA REGION FIXED C-E FACILITY PROGRAM

1. The following is status of C-E Facility Program as of 30 June 1960, for the Western GEEIA Region ZI:

a. Total number of schemes by Phase:

I	II	III
1248	559	759

b. Total number of schemes delinquent and reason for delinquency:

Phase I - 280

231 - Engineering not completed on schedule
3 - A/W siting concurrence
2 - Lack of technical data
15 - Change in operational requirement
13 - Insufficient manpower
4 - Lack of building design information
3 - Scheme disapproved - requires reengineering
1 - Change in building design
1 - No operational plan
7 - Programming action did not allow sufficient lead time for engineering, supply action and installation to meet ROD.

Phase II - 281

57 - BOM not published
2 - Program changes
6 - Procurement delays
5 - Non-availability of necessary items
76 - Shipment delay
111 - Partial shipment received - a/w balance
1 - Damaged material
21 - Material required modification
1 - Awaiting construction season
1 - Engineering not complete

Phase III - 404

1 - Building not complete
5 - SS required - not complete
6 - Power facility not available
2 - Insufficient materials available to complete
9 - Lack of installation manpower
1 - Material requires modification
64 - Contractor delays

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4 - Awaiting construction season
3 - Changes in operational requirements
11 - Shipping instructions not received
1 - Program changes
59 - IIC signed with deficiencies
113 - Installation complete - a/w IIC
1 - Installation complete - a/w special equipment
1 - Installation complete a/w flight check
102 - Installation complete - facility operational; plant in place records not forwarded
1 - Engineering not complete

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WESTERN GEEIA REGION FIXED C-E FACILITY PROGRAM
Overall Status
1 Jan 60 thru 30 Jun 60

	JAN	FEB	MAR	APR	MAY	JUN
Total Schemes Active	2971	2971	2776	2896	2924	2566
Total Delinquent	1120	1120	1186	973	1090	965
% Delinquent	38	38	43	34	37	38
% Delinquent Phase I	9	9	12	9	10	11
% Delinquent Phase II	16	16	14	11	11	11
% Delinquent Phase III	13	13	17	14	16	16
Total Schemes H. I. A.	101	101	115	137	43	151

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WESTERN GEEIA REGION FIXED C-E FACILITY PROGRAM

ZI Schemes Delinquent in Phase I (Engineering)
1 Jan 60 thru 30 Jun 60

	JAN	FEB	MAR	APR	MAY	JUN
Total Schemes Active	1137	1137	1116	1186	1253	1068
No. Delinquent	222	222	281	189	243	228
% Delinquent	20	20	25	16	19	21
No. H. I. A.	44	44	54	27	19	0

ZI Schemes Delinquent in Phase II (Supply)
1 Jan 60 thru 30 Jun 60

	JAN	FEB	MAR	APR	MAY	JUN
Total Schemes Active	796	796	617	429	447	397
No. Delinquent	405	405	317	205	250	203
% Delinquent	51	51	51	48	56	51
No. H. I. A.	10	10	11	29	10	0

ZI Schemes Delinquent in Phase III (Installation)
1 Jan 60 thru 30 Jun 60

	JAN	FEB	MAR	APR	MAY	JUN
Total Schemes Active	689	689	865	770	710	681
No. Delinquent	377	377	455	394	431	384
% Delinquent	55	55	53	51	62	56
No. H. I. A.	47	47	50	31	5	0

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WESTERN GEEIA REGION FIXED C-E FACILITY PROGRAM

ALASKA — Schemes Delinquent in Phase I (Engineering)
1 Jan 60 thru 30 Jun 60

	JAN	FEB	MAR	APR	MAY	JUN
Total Schemes Active	130	130	156	275	285	180
No. Delinquent	35	35	49	65	61	52
% Delinquent	27	27	31	24	21	29
No. H. I. A.	30	30	33	42	11	0

ALASKA — Schemes Delinquent in Phase II (Supply)
1 Jan 60 thru 30 Jun 60

	JAN	FEB	MAR	APR	MAY	JUN
Total Schemes Active	181	181	183	181	172	162
No. Delinquent	64	64	67	101	84	78
% Delinquent	35	35	41	56	49	48
No. H. I. A.	0	0	0	4	0	0

ALASKA — Schemes Delinquent in Phase III (Installation)
1 Jan 60 thru 30 Jun 60

	JAN	FEB	MAR	APR	MAY	JUN
Total Schemes Active	38	38	39	55	57	78
No. Delinquent	17	17	17	19	21	20
% Delinquent	49	49	49	31	37	26
No. H. I. A.	3	3	4	4	2	0

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APPENDIX II

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HEADQUARTERS WESTERN GEEIA REGION
FY60 P437 Fund Program
Comparison of 1st 6 Mos and 2nd 6 Mos Obligations

Description	JUL-DEC 59 Obligation $	JAN JUN 60 Obligation $	FY60 Total
Personal Services & Related Costs (0100, 0770, 1111, 1311, 1511)	1026.8	1071.7	$2098.5
Travel Costs (0211, 0212, 0221, 0222)	760.6	649.4	1410.0
Contractual Services (0790)	3467.9	2015.1	5483.0
Transportation of Things (0390)	10.7	10.2	20.9
Rental of Equipment (0529)	- - -	29.5	29.5
Total	5266.0	3775.9	9041.9

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HEADQUARTERS WESTERN GEEIA REGION
FY60 Overtime Costs
By Quarter

	Quarter		Cumulative	
	$	%	$	%
1ST	10,813	2.29	10,813	2.29
2ND	13,948	3.15	24,671	2.71
3RD	14,024	2.99	38.785	2.81
4TH	9,662	1.96	48.447	2.58

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WESTERN GEEIA REGION - FY60 P437 FUND PROGRAM
1 Jan 60 thru 30 Jun 60

As of end of Month / Legend		JAN	FEB	MAR	APR	MAY	JUN
Annual Budget Authorization	$	7883.2	7883.2	8131.9	8745.1	9070.1	9044.2
Commitments	$	6326.3	6557.9	7174.9	8327.1	8855.7	9041.9
	%	80.3	83.2	88.2	95.2	97.6	99.9
Obligations	$	5492.8	5938.0	6857.6	7179.4	7498.0	9041.9
	%	68.9	75.3	84.3	82.1	82.7	99.9

Obligation VS Obligation Ceiling
1 Jan 60 thru 30 Jun 60

As of end of Month / Legend		JAN	FEB	MAR	APR	MAY	JUN
Obligation Ceiling	$	6740.7	6740.7	6953.3	8745.1	9070.1	9044.2
Obligations	$	5492.8	5938.0	6857.6	7179.4	7498.0	9041.9
Obligations	%	81.5	88.1	98.6	82.1	82.7	99.9

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WESTERN GEEIA REGION - FY60 P437 FUNDS
Contractual Services Costs - 0790
1 Jan 60 thru 30 Jun 60

As of end of Month / Legend		JAN	FEB	MAR	APR	MAY	JUN
Allotment	$	4582.9	4282.9	4491.9	4993.2	5368.2	5483.5
Commitments	$	3923.1	4003.7	4491.8	4911.1	5342.4	5483.0
	%	91.6	93.5	100.0	98.4	99.5	99.9
Obligations	$	3510.3	3638.2	4182.1	4230.1	4278.6	5483.0
	%	82.0	85.4	93.1	84.7	79.7	99.9

Travel Costs - 0211, 0212
1 Jan 60 thru 30 Jun 60

As of end of Month / Legend		JAN	FEB	MAR	APR	MAY	JUN
Allotment	$	1118.7	1118.7	1243.7	1587.4	1536.4	1411.2
Commitments	$	1002.5	1060.3	1103.2	1454.4	1446.4	1410.0
	%	89.6	94.8	88.7	91.6	94.1	99.9
Obligations	$	765.8	907.1	1099.1	1185.1	1264.0	1410.0
	%	68.5	81.1	88.4	74.7	82.3	99.9

Personal Services & Related Costs - 0100, 0771, 1111, 1511, 1311
1 Jan 60 thru 30 Jun 60

As of end of Month / Legend		JAN	FEB	MAR	APR	MAY	JUN
Allotment	$	1553.2	1553.2	1552.2	2112.3	2112.3	2095.8
Commitments	$	1375.8	1468.6	1552.0	1971.3	2015.4	2098.5
	%	88.6	94.6	100.0	90.8	95.4	100.0
Obligations	$	1195.8	1371.7	1550.7	1730.3	1913.0	2098.5
	%	77.0	88.3	100.0	81.9	90.6	100.0

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APPENDIX III

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APPENDIX IV

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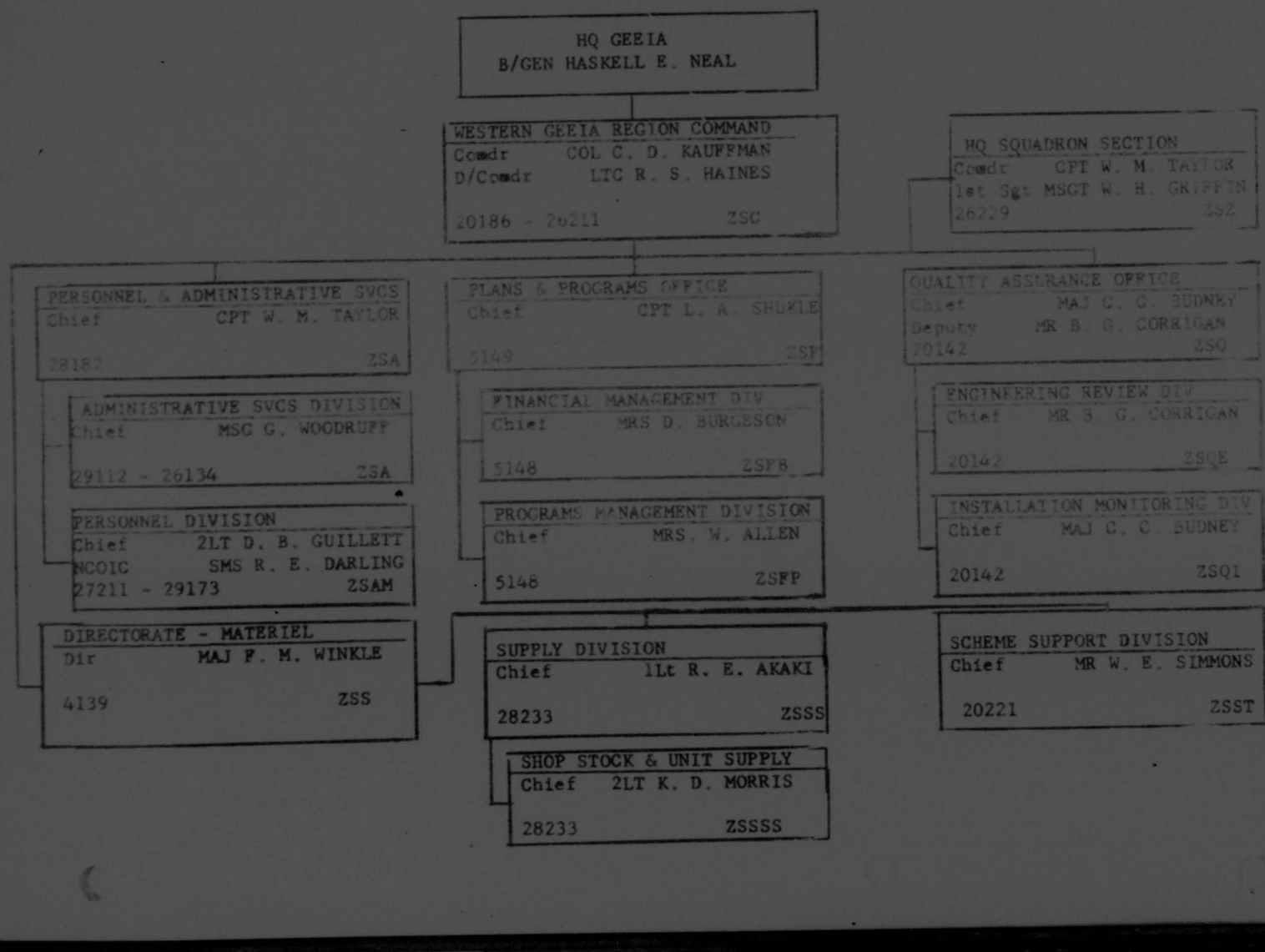
HEADQUARTERS WESTERN GEEIA REGION
MCCLELLAN AFB, CALIFORNIA
ORGANIZATIONAL DIRECTORY CHART



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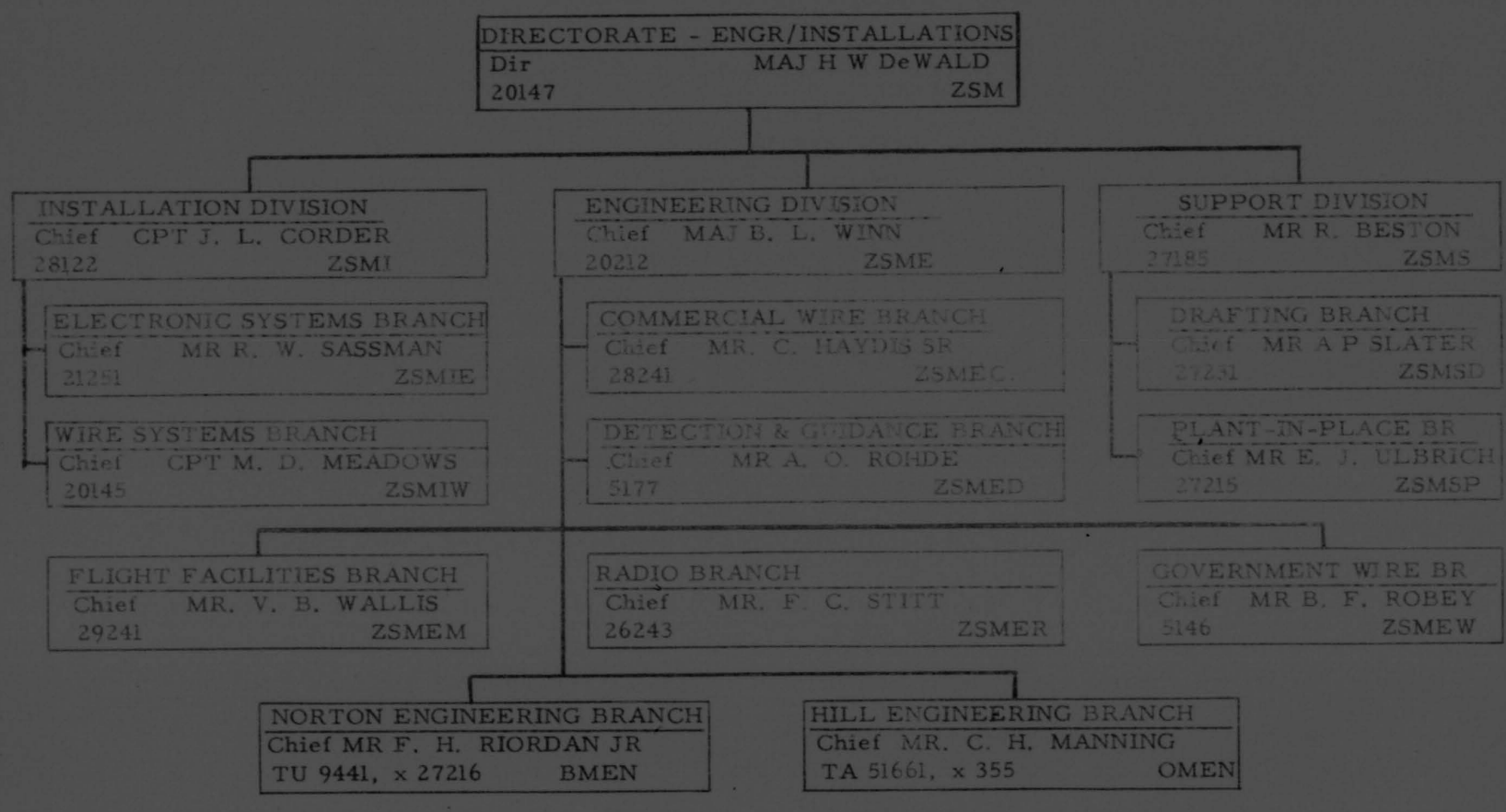
DIRECTORATE - ENGR/INSTALLATIONS



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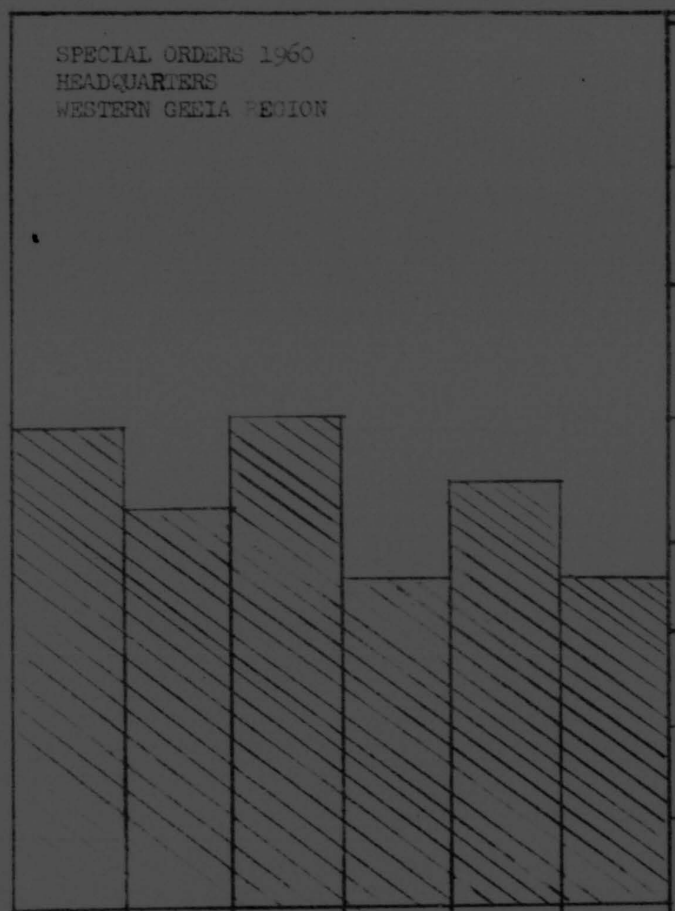
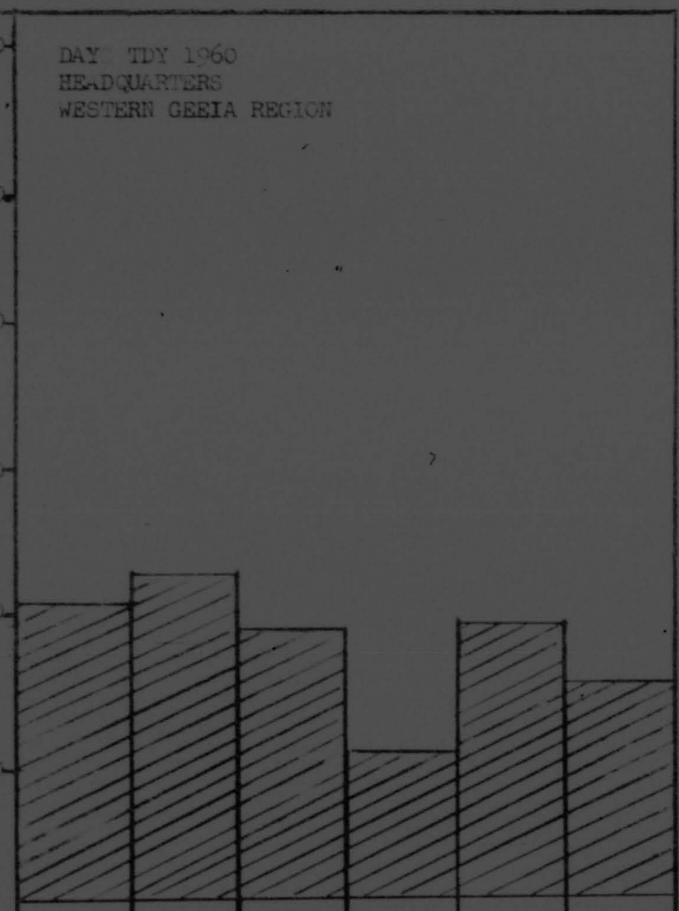
SPECIAL ORDERS 1960
HEADQUARTERS
WESTERN GEEIA REGION



JAN	FEB	MAR	APR	MAY	JUN
122	106	125	89	113	91

DAY TDY 1960
HEADQUARTERS
WESTERN GEEIA REGION



JAN	FEB	MAR	APR	MAY	JUN
1047	1081	886	585	1009	846

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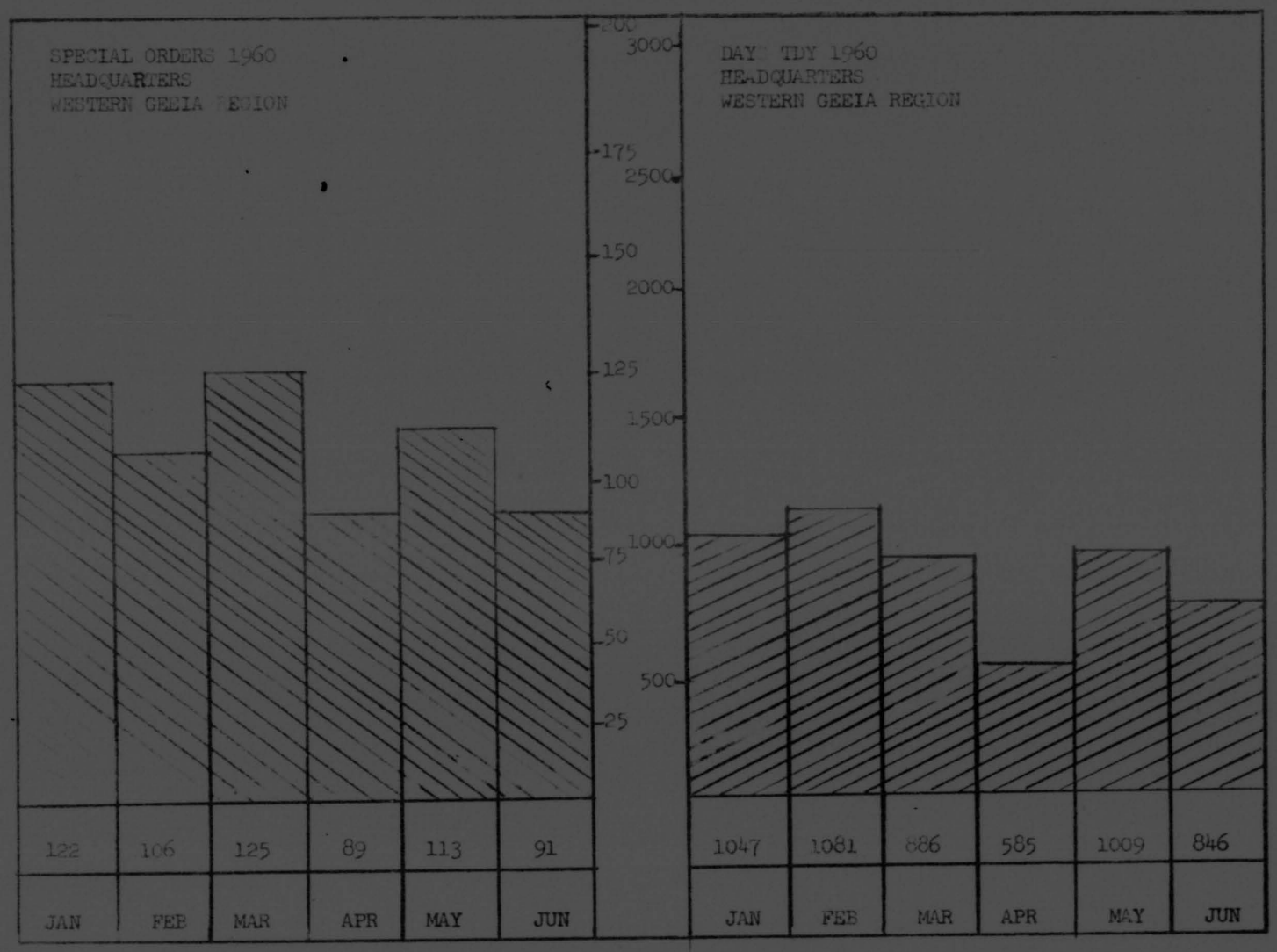

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SEMIANNUAL HISTORICAL REPORT

REPORTS CONTROL SYMBOL: AU-D5

1. NAME OF UNIT: 2870th GEEIA Squadron (AMC)
2. LOCATION: Hill Air Force Base, Ut.
3. FROM 1 Jan 60 THROUGH 30 Jun 60

4. NAME AND LOCATION OF NEXT HIGHER HEADQUARTERS
Headquarters, Western GEEIA Region
McClellan Air Force Base, California

5. PERSONNEL STRENGTH (Last day of reporting period)

	OFFICERS	AIRMEN	CIVILIAN	TOTAL
AUTHORIZED	8	128	33	169
ASSIGNED	10	156	33	199
ATTACHED	0	3	0	3

6. STATEMENT OF MISSION INCLUDING CHANGES (Continue on separate sheet)

The mission of the 2870th GEEIA Squadron is: To install all types of approved fixed communications and electronic equipment in accordance with applicable technical orders and establish procedure. This includes installation and testing of radio, radar, inside and outside telephone plant equipment with aerial or underground communication cables and associated equipment.

This work is accomplished in support of the Western GEEIA Region.

To act in an advisory capacity to the 215th GEEIA Squadron (AFNG) at Seattle, Washington.

During this reporting period, there were no mission or organization changes.

7. ORGANIZATIONAL CHANGES INCLUDING REASONS FOR CHANGE (Continue on separate sheet)

The Unit Manning Document, dated January 1960, authorized five (5) officers, three (3) Warrant Officers, 128 airmen, 37 Wageboard civilians, for the 2870th GEEIA Squadron.

The Unit Manning Document, dated April 1960, authorized five (5) Officers, three (3) Warrant Officers, 128 Airmen, 34 Wageboard civilians, for the 2870th GEEIA Squadron.

These figures represent an increase of one (1) Officer and a decrease of six (6) airmen under the previous Unit Manning Document. The Manning Document also represents a decrease of three (3) Wageboard civilians under the previous Manning Document.

On 16 May 1960, this organization received an additional two (2) Captain's positions and one (1) Lt. position while losing all Warrant Officer Positions.

The 2849th Air Base Wing, Hill AFB, Utah, still retains the administrative and logistical support responsibility for the 2870th GEEIA Squadron.

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8. ADMINISTRATIVE PROGRESS AND PROBLEMS (Continue on separate sheet)

Administrative and personnel functions were carried on without any major fficulties with one exception. This organization regards the reaccomplishment of this organization's Unit Manning Document every three (3) months as a totally inadequate Manning Program. Not only must this organization totally reaccomplish it's Manning and Information Roster every three (3) months, but the basic inconsistency of each of these revisions does not, in this organization's opinion, reflect any changes in this squadron's mission. Personnel gains during this period were; two (2) Officers and 53 airmen.

Officer gains were; Captain Paul R. Ellison, 35989A, coming from Keesler AFB, Mississippi and assuming the position of Installations Control Officer. 2nd Lt. Terry J. Hough, A03097234, coming to this organization from Hill AFB, Utah and assuming the position of Squadron Supply Officer.

Captain Paul R. Ellison was promoted to the permanent grade of Major, effective 1 Feb 60.

A total of 31 airmen were lost to this organization during this period.

2nd Lt. Robert J. Roy, A03086636 was transferred to the 10th ADIV (ADC), APO 942, (Remote), Seattle, Washington, per SO B-1, this headquarters, dated 5 Jan 60. 1st Lt. Harold A. Haddock, 29094A was transferred 26 Jan 60 to the 2872nd GEEIA Sq (AMC), APO283, N.Y., N.Y., per SO 727, this organization dated, 21 Dec 59.

On 30 Jun 1960, the Squadron's strength was: ten (10) officers, 156 airmen, and 33 wageboard civilians; of this, a total of 63 personnel were TDY and 24 personnel were on operating location at site projects.

A review of the training accomplishments for the squadron during this period eflects the following:

Seven (7) airmen have completed OJT and were awarded the AFSC toward which they were trained.

Two (2) airmen have completed OJT, but will not be awarded their appropriate AFSC until the next testing cycle.

51 airmen are presently on OJT.

Five (5) airmen have completed the EOD Demolition School and qualified as demolition personnel.

Two (2) airmen have attended and completed the Senior NCO Academy at McClellan AFB, California.

9. MISSION PROGRESS AND PROBLEMS

The 2870th GEEIA Squadron expended a total of 112,934 direct manhours towards communications schemes. This figure includes manhours used in area communications support of the Western GEEIA Region but does not include the time spent on advisory assistance visits to the 215th GEEIA Sq (AFNG) at Seattle, Washington.

There were 44 communications projects completed at 16 different sites.

There are 17 communications projects not completed at 16 different sites.

The total number of manhours available to the squadron was 128,407.

The expenditure of 112,934 manhours represents 87.9% of the total.

During the reporting period, the following summary of events for this squadron is hereby submitted:

During the month of January, Hq GEEIA conducted an annual IG Inspection of this ection, and a satisfactory report was received. The Warehouse section was commended for their storage arrangements.

During the month of May, an advisory staff visit was conducted by 1st Lt. Roy E

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Administrative Progress And Problems (Continued)

Two (2) airmen have attended and completed the NCO Prep School at Fairfield, California.

One (1) airman attended formal Cable Splicing School at Sheppard AFB, Texas.

74 airmen have completed the Hill AFB Drivers School for training in safe driving techniques.

Three (3) airmen have attended and completed the Ground Safety Non Medical Personnel Instructors School at Hill AFB, Utah.

Other training accomplishments such as off-duty schools are:

Seven (7) airmen are enrolled in a USAFI Course

Four (4) ECI Completions, 49 enrolled

Five (5) resident college enrollments (one or more subjects per semester).

20 have completed Radio and/or Radar School.

One (1) has attended and completed Personnel Technician Courses at Lackland AFB, Texas.

Three (3) have completed OJT Flight Facilities Radio Maintenance with the 1906th AACS Sq, Hill AFB, Utah (4 week course).

Two (2) have completed OJT Radar Maintenance with the 1906 AACS Sq, Hill AFB, Utah (4 week course)

Two (2) have completed OJT Flight Facilities Radio Maintenance with 1906th AACS Sq, Hill AFB, Utah (6 week course).

One (1) has completed OJT Radar Maintenance with the 1906 AACS Sq, Hill AFB, Utah. (5 week course).

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9. CONTINUED (Continue on separate sheet)

Akaki and M/Sgt Lyle V. Byer of the Western GEEIA Region.

Major Problems Found: None.

Minor Problems Found: Several Air Force Forms 538 (Personal Clothing Record) lacked the necessary signatures. Signatures could not be obtained because the personnel concerned were TDY.

USAF Audit Visit also occurred during this reporting period. This section was found to be operating satisfactorily.

During the month of June, 2/Lt. Terry J. Hough performed travel to Davenport, Washington for the purpose of inspection and observance of the installations of scheme material.

During this reporting period, a total of 242,643 miles were logged on Squadron vehicles. A total of four (4) reportable type accidents, without deaths or permanent disabling injuries, occurred.

During this reporting period, an Advisory Team was established to assist the 215th GEEIA Squadron (AFNG) at Seattle, Washington. This team made three (3) visits during this reporting period to advise and assist the 215th GEEIA Squadron (AFNG).

The 215th GEEIA Sq held its annual Summer Encampment from 19 March through 2 April 1960 at the Fairchild Air Force Base Missile Complex, Washington. A report on their progress and training was submitted by Major Derrill A. Hollerbach, Commander, 2870th GEEIA Squadron.

The following problems were encountered during this reporting period: The ground power equipment authorized this organization is of World War II vintage. Parts for this old equipment are difficult to obtain and must be ordered from the original manufacturer. This entails two (2) to three (3) months non-availability of this equipment. When this old equipment is sent to the maintenance shop for repairs, the Ground Power Inspectors usually condemn it in compliance with T.O. 35-1-2 for overage and maximum expenditures. This results in a lack of necessary equipment. It is recommended that more modern equipment be authorized and secured.

10. ADDITIONAL REQUIREMENTS (Continue on separate sheet)

N/A

11. LIST OF SUPPORTING DOCUMENTS (Continue on separate sheet)

A. GENERAL ORDERS
B. ORGANIZATION CHARTS
C. MISSION DIRECTIVES
D. VITAL STATISTICS
E. ROSTER OF KEY PERSONNEL (Include position and date assigned)

PREPARED BY	APPROVED BY
GERALD J. PATRICK, 2nd Lt., Unit Historian	PAUL R. ELLISON, Major, Commander

AF-WP-O-SEP 58 8,200

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9. Mission Progress and Problems (Continued)

The work at Fairchild AFB, Washington was greatly hampered during the winter months due to the extreme cold weather. This weather made the starting of vehicles very difficult, causing a delay of two (2) hours to start all construction vehicles at one (1) site. Also, the cold weather caused extremely dangerous driving conditions, which created a large manhour cost to this organization. Cable plowing was suspended on several different occasions due to the frozen ground conditions.

The spring rain and thawing has greatly restricted the use of equipment and vehicles in low areas along cable routes. This has also caused a loss of manhours.

On occasions, installation teams have been dispatched to sites from this organization and upon their arrival, none of the scheme material was available. On other occasions, there have been items that were not shipped on schemes. This has caused considerable delay and several work stoppages.

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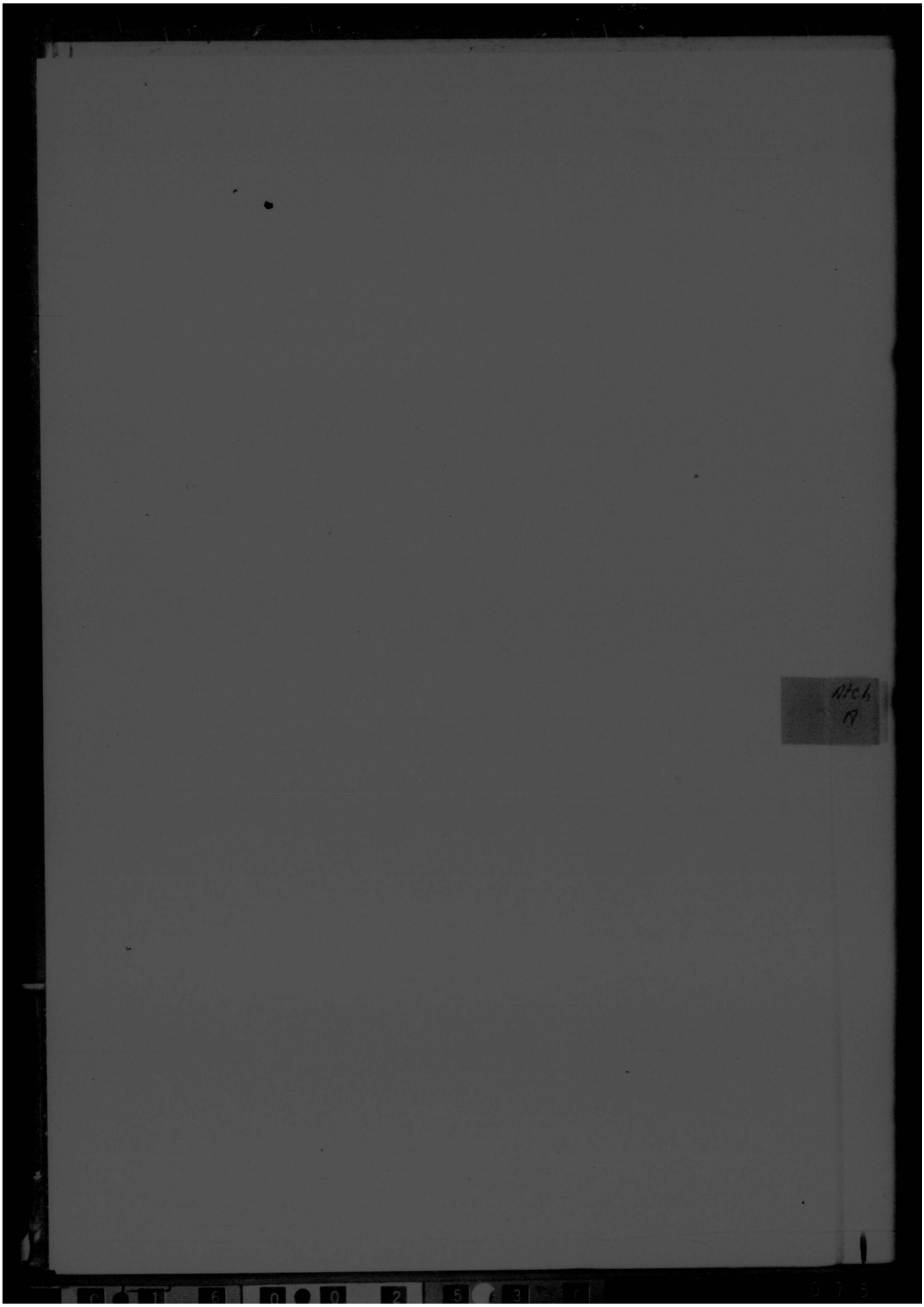

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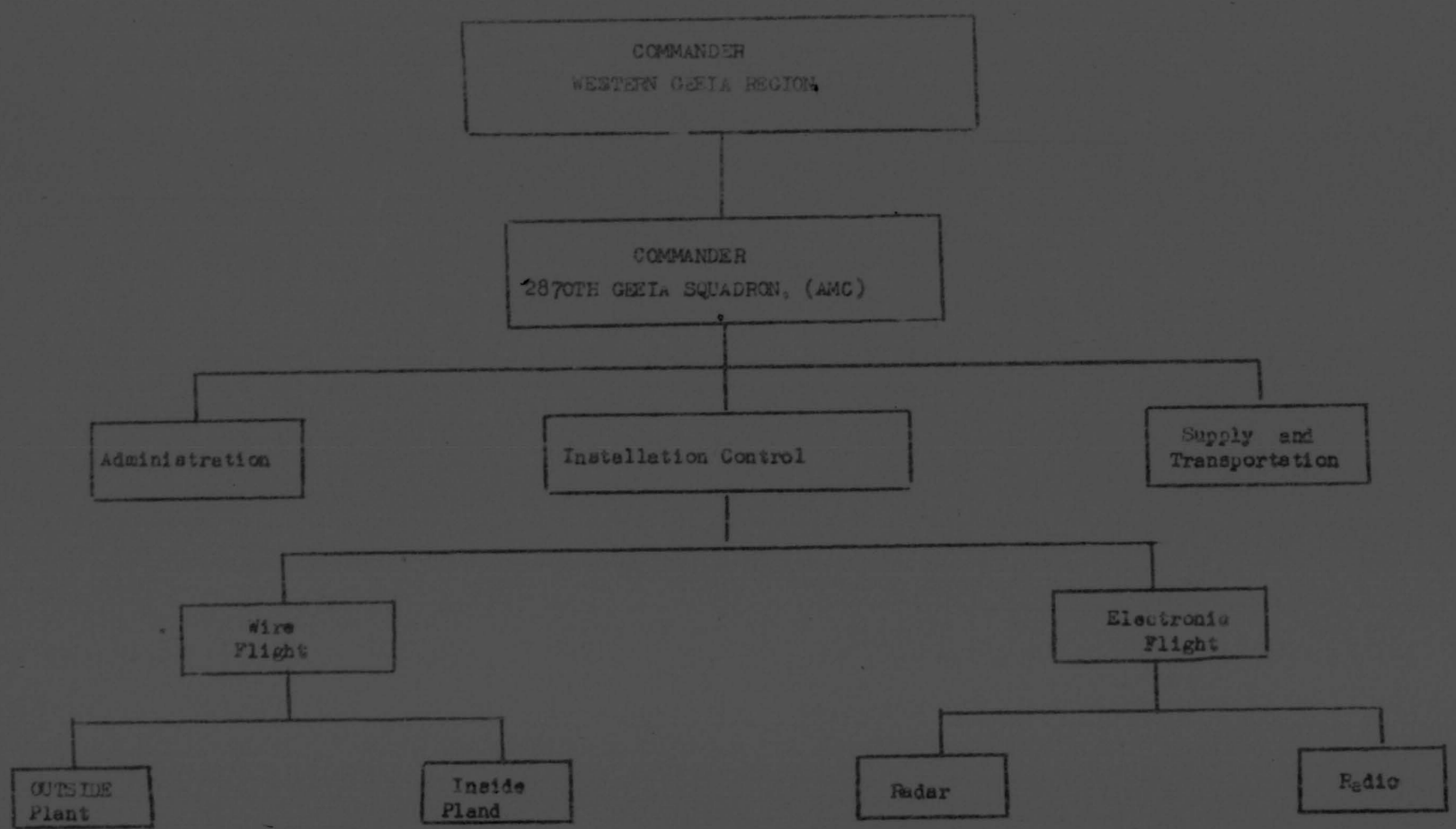

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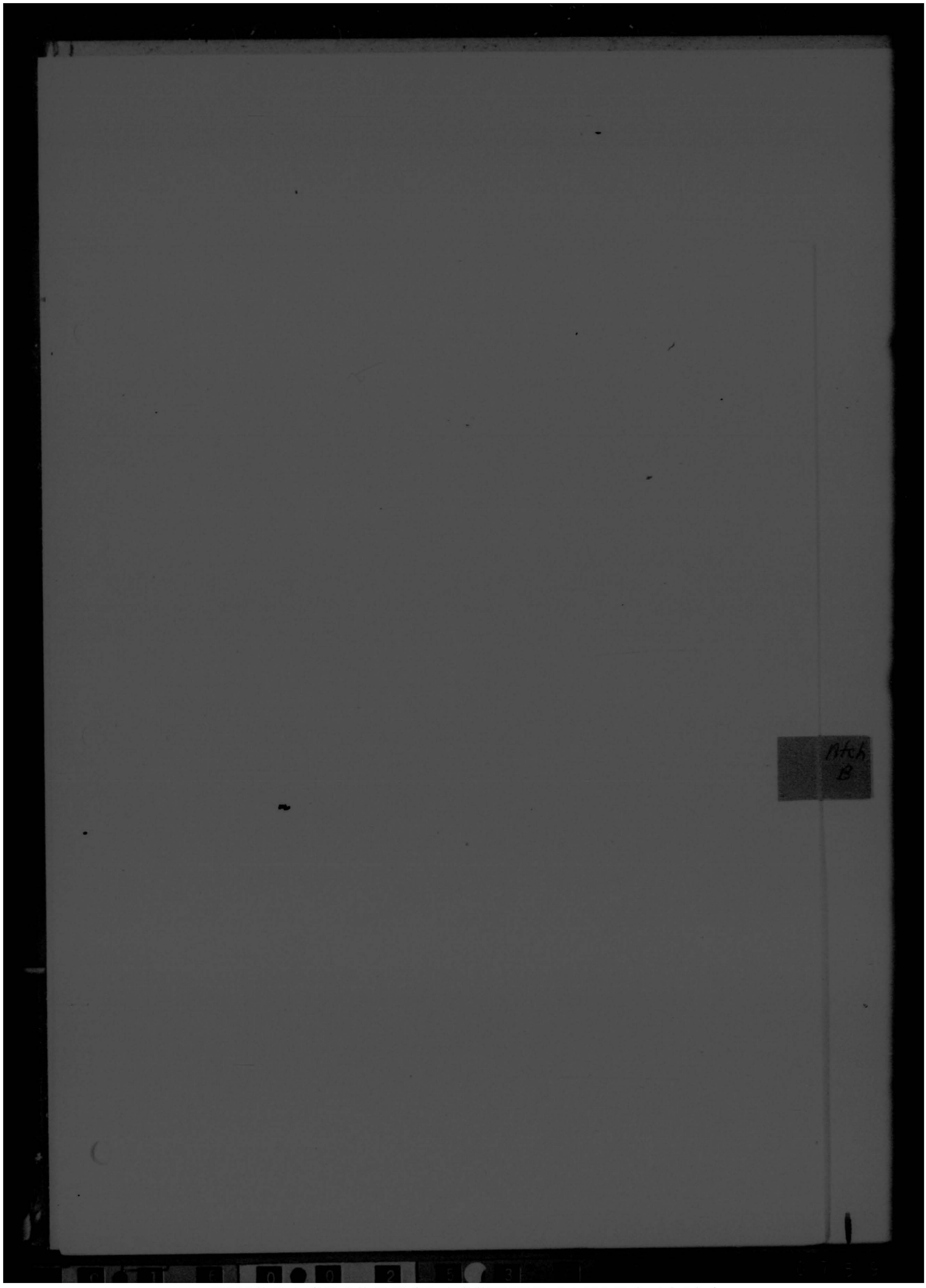

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ATTACHMENT "B"

SCHEME LOCATIONS

Air Force Bases

Fairchild Air Force Base, Washington
F. E. Warren Air Force Base, Wyoming
Malstrom Air Force Base, Montana
Hill Air Force Base, Utah
McChord Air Force Base, Washington
Davis-Monthan Air Force Base, Ariz.
Larson Air Force Base, Washington
Evereaux Air Base, France
Glasgow Air Force Base, Montana

Air Force Station's

Fort Lawton Air Force Station, Washington
Northport Air Force Station, Washington
Mica Peak Air Force Station, Washington
Curlew Air Force Station, Washington
Blaine Air Force Station, Washington
Lewiston Air Force Station, Montana
Havre Air Force Station, Montana
Winslow Air Force Station, Arizona
Cottonwood Air Force Station, Idaho
Keno Air Force Station, Oregon
Gila Bend Air Force Aux Field, Arizona
Cutbank Air Force Station, Montana
Havre Air Force Station, Montana
Winnemucca Air Force Station, Nevada
Kalispell Air Force Station, Montana
Makah Air Force Station, Washington
Tonopah Air Force Station, Nevada

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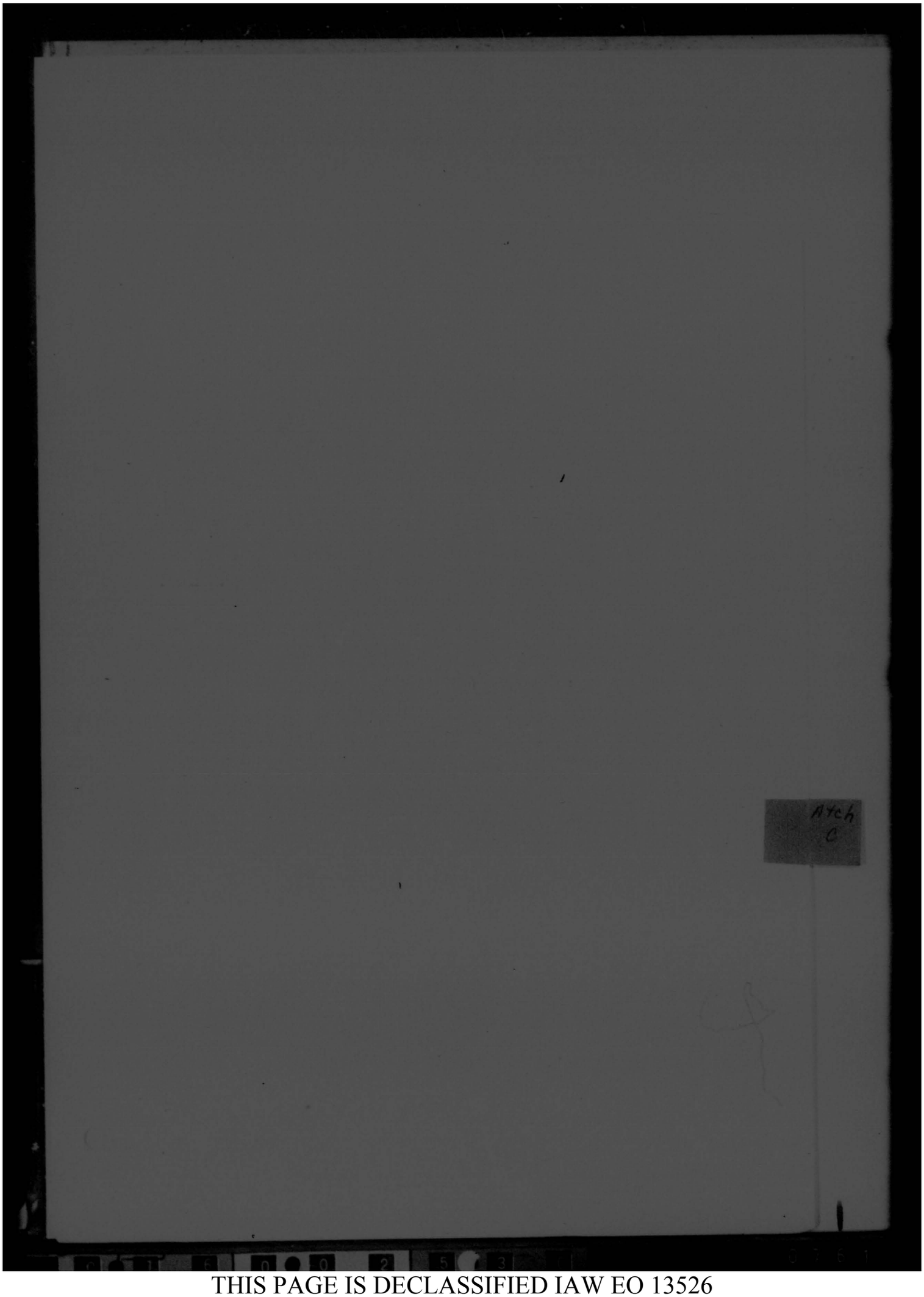

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ATTACHMENT "C"

MANHOUR UTILIZATION FOR PERIOD BY MONTH

	Jan	Feb	Mar	April	May	June
Manhours Available	21,500	19,522	22,395	22,338	21,402	21,200
Manhours Utilized	20,463	17,435	18,220	16,217	20,574	20,025
Manhours Surplus	1,037	2,087	4,175	6,121	828	1,175

Previous Six Months Manhours (Jul - Dec 59)

	Jul	Aug	Sep	Oct	Nov	Dec
Manhours Available	27,704	24,636	21,768	22,656	22,184	23,242
Manhours Utilized	26,419	22,897	21,113	22,104	21,701	22,648
Manhours Surplus	1,485	1,739	655	552	473	594

TOTALS

	Jul - Dec 59	Jan - Jun 60
Manhours Available	142,390	128,407
Manhours Utilized	136,882	112,934
Manhours Surplus	5,498	15,473

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ATTACHMENT "D"

KEY PERSONNEL

The Commander, 2870th GEEIA Squadron during this reporting period was Major Derrill A. Hollerbach, A01647091. Major Hollerbach assumed command of the Squadron, 1 August 1959.

Officer Personnel as of 30 June 1960.

Major Paul R. Ellison, 35989A	Installations Control Officer
Captain Thane S. Lohr, 40349A	Commander, Electronics Flight
Captain James F. Walker, A0870787	Commander, Wire Flight
1st Lt. Donald W. Autry, A03087698	Ass't Commander, Electronics Flt.
2nd Lt. Terry J. Hough, A03097234	Supply Officer
2nd Lt. Gerald J. Patrick, A03099541	Personnel Officer
CWO-W2 Giles G. Gouldsmith, 953771E	Outside Plant Section II
CWO-W2 Robert D. Clifton, 952654E	Outside Plant Section I
CWO-W2 Dewey Smith, 954161E	Inside Plant Section
Mr. William A. Johnson, Civilian	Installations Control Foreman

Other Personnel.

MSgt Arthur N. Howell, AF3968076	First Sergeant
MSgt Arthur E. Johnson, AF11007162	NCOIC Wire Flight
MSgt Carl F. Schirmer, AF6974662	NCOIC Detachment #1
MSgt Crafton Draper, AF44098314	NCOIC Detachment #2
MSgt George W. Chandler, AF44065273	NCOIC Installations Control
SSgt Russell L. Lucas, AF19059025	NCOIC Transportation
A/1C Howard C. Craddock, AF14373761	NCOIC Supply

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History of the

2869TH GROUND ELECTRONICS ENGINEERING INSTALLATION AGENCY

AIR MATERIEL COMMAND
(1 January - 30 June 1960)

Prepared for the historical office
2869th GEEIA Squadron (AMC)
by
First Lieutenant Otis R. Burbage
15 July 1960

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2869TH GEEIA SQUADRON (AMC) HISTORY
(1 January - 30 June 1960)

DAVID T. WOODRUFF, Major, USAF, Commander
2869th GEEIA Squadron, Norton Air Force Base
San Bernardino, California

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ACKNOWLEDGEMENT

Acknowledgement of receipt of the basic material and data is made to the following personnel of the 2869th GEEIA Squadron (AMC):

Administrative Division . . . . . Capt Allen K. Debnam

Operations Division . . . . . Major Carl O. Fischer

Quality Assurance Division . . . . . Major William T. Winter

Supply Division . . . . . Capt William M. Funk

Squadron Consolidation Project Officer . . . . . 1/Lt Otis R. Burbage

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Operations Division	3
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Familiarization and Orientation of GEEIA Procedures and Practices Branch	4
Material Monitoring Branch	5
Quality Assurance Division	11
Management Branch	11
Quality Control Branch	11
Supply Division	14

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FOREWORD

During the period from 1 January 1960 to 30 June 1960, the 2877th and 2869th GEEIA Squadrons consolidated to form a new 2869th GEEIA Squadron with a much broader mission and capability. The consolidation, in addition to uniting the two squadrons, also brought the 2877th GEEIA Squadron capabilities under the control of Western GEEIA Region (WEGER). Initially, the 2877th GEEIA Squadron had been under Detachment 1 GEEIA, and later Headquarters GEEIA. The 2877th GEEIA Squadron brought to WEGER the time proven AIRCOM capabilities which until now had been solely a function of Detachment 1 GEEIA.

The last week in January 1960, both squadrons were subject to a general inspection by Headquarters GEEIA. During the inspection General Neal, Commander of GEEIA, and Colonel Kauffman, Commander of WEGER, visited both squadrons. A joint briefing by the 2877th and 2869th GEEIA Squadrons was given for General Neal and Colonel Kauffman.

After General Neal and Colonel Kauffman's visit and in accordance with Section II, AMC General Order 13, dated 5 February 1960, Attachment #1, and Headquarters WEGER message SMZSF-2-24-E, Attachment #2, Major Woodruff, Commander 2877th GEEIA Squadron, began actions for the consolidation of the two squadrons. On 9 February 1960, Commanders and Divisions Heads of both squadrons met to discuss the steps necessary to effect the consolidation of the squadrons by 1 March 1960, as directed by AMC General Order No. 13. Attachment #3 is a detailed procedure of the consolidation plan for the two squadrons. No significant problems were foreseen or encountered in the consolidation of the two squadrons due to their close proximity which permitted problems to be quickly solved.

Pursuant to Special Order C-29, submitted as attachment #4, Major David T. Woodruff assumed command of the 2869th GEEIA Squadron on 1 March 1960. Due to the seniority of rank in the 2877th GEEIA Squadron the command and division head positions in the 2869th, with the exception of supply, were filled by officers of the former 2877th GEEIA Squadron.

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History of the 2869th GEEIA Squadron (AMC)
1 January - 30 June 1960

MISSION

The mission of the 2869th GEEIA Squadron (AMC) is to install, modernize and remove communication and electronic facilities within the area of responsibility of the Western GEEIA Region. The facilities include heavy ground point to point, air/ground, radio, radar, weather, antenna and any other C&E Facilities as directed by higher headquarters.

ORGANIZATION

The 2869th GEEIA Squadron is organized as depicted in the organizational chart submitted as attachment #5. The main divisions of the squadron are Command, Administrative Division, Operations Division, Quality Assurance Division and the Supply Division. This chart also represents the organizational breakdown of the old 2877th and 2869th GEEIA Squadrons before consolidation.

COMMAND

The Commander, Major David T. Woodruff, 6829A, is responsible for determining, accomplishing, and verifying the mission of installing communications and electronics equipment as directed by higher headquarters. He is further responsible for the morale, health, safety and well being of all assigned personnel.

ADMINISTRATIVE DIVISION

The Administrative Division consists of the Administration Branch and the Personnel Branch headed by Captain Allen K. Debnam, AO8288972. 1st Lt William F. Magner Jr., AO745435, the former Administrative Officer of the 2869th GEEIA Squadron, is his assistant. Lt Magner is retiring in August 1960. Thirteen (13) airmen compliment the Staff of the Administrative Division. The Administrative Branch is responsible for: (1) establishing standard administrative methods and procedures which will improve the quality of correspondence and increase the effectiveness of the squadron's administration and operation; (2) reproducing and issuing special orders which consist of PCS, TDY and personnel type special orders; (3) maintaining a message center to receive and dispatch correspondence; (4) maintaining a publication files;

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(5) maintaining and disposing of current records in accordance with AFM 181-4 and 181-5; (6) supervising the establishment of all files maintained within the organization; (7) maintaining and insuring proper handling of all classified correspondence; (8) and managing forms in accordance with AFM 9-1.

The Personnel Branch is responsbile for: (1) accomplishing such personnel actions as directed by the commander and appropriate regulations; (2) preparing the morning report; (3)preparing the classification and audit roster; (4) maintaining personnel records on military and civil service personnel; (5) and providing for personnel services to include personal affairs, procurement of passports, identification cards, mess passes, pay, etc..

The administrative personnel of both squadrons became the Administrative Division of the new 2869th GEEIA Squadron. As the 2877th GEEIA Squadron combined with the 2869th GEEIA Squadron it was the responsibility of the 2877th GEEIA Squadron to publish all orders transferring personnel and to initiate the majority of actions necessary to effect the consolidation. The 2869th GEEIA Squadron picked up all 2877th GEEIA Squadron personnel on their morning report by 1 March 1960 thus completing the consolidation as planned. All records of the consolidating squadrons were maintained or disposed of as directed by AFM 181-4 and 181-5. Immediately after the consolidation the 2869th GEEIA Squadron's strength was 24 officers and 448 airmen. At the present time due to overseas assignments and normal attrition the strength of the squadron is 20 officers and 416 airmen.

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OPERATIONS DIVISION

The Operations Division is the focal point and reason for all the other squadron division activities. This division puts into action the mission of the 2869th GEEIA Squadron. The Operations Division is headed by Major Carl O. Fischer, AO1650869, his staff and three supporting branches. The Operations Division has the following functions: (1) plan the installation efforts in accordance with established priorities in advance of the installation date; (2) notify all interested agencies for required support in accordance with TO 31-1-8; (3) select personnel for teams and compile a tool list to accomplish the installation; (4) accomplish installations in accordance with drawings and specifications as provided by WEGER and in accordance with standard practices; (5) perform operational tests on all installed equipment; (6) and accomplish installation inspection certificates when directed by WEGER.

The three supporting branches are the Installation Control Branch, Familiarization and Orientation of GEEIA Procedures and Practices Branch and Material Monitoring Branch. Each of these branches will be separately discussed to present a clearer picture of their functions and relationship to the Operations Division.

Installation Control Branch

The Installation Control Branch is responsible for the following: (1) planning and coordination with all agencies concerned in the implementation of C&E schemes assigned to the squadron workload; (2) selecting personnel to man crews for the installation of assigned schemes; (3) monitoring of all teams in the field; (4) preparing the various reports pertaining to C&E scheme installations; (5) maintaining a Technical Publications, Specification and Drawings Section; (6) and conducting an aggressive OJT Program.

The Installation Control Branch being responsible for selecting personnel to man crews for the installation of assigned schemes has divided the personnel in each installer career field into teams of eight to ten men with an NCO in charge of each. To select a team for the installation of a particular C&E scheme the Installation Control Branch pick the most likely team and augments it when necessary with additional personnel to insure prompt and proper installation. The team chief is selected on his merits of leadership and knowledge of the job to be accomplished, The team concept is maintained whenever possible.

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The Technical Publications, Specifications and Drawings Section is responsible for maintaining all technical publications, drawings, specifications and reference books used by installation personnel. A Tech Order file is maintained and a complete file of pertinent tech orders is being compiled. An engineering library pertaining to communications is maintained to aid personnel in furthering their knowledge on the theories of communication.

The OJT Section has established classes that pertain to each installer career field. The training is being accomplished with appropriate Tech Orders and other pertinent information. Policies have been promulgated to insure that all training is recorded accurately as the training is completed. The OJT Section has in its possession 2 MX 1956/6SQ-T2 trainers. A versatile training program making use of the T2 trainers is in the final states of completion. This training program consist of many short, individually complete courses that can be taken between installations. This type of course insures the most productive use of man hours not spent on installation of C&E schemes.

Familiarization and Orientation of GEEIA Procedures and Practices Section

This section is responsible for familiarizing and indoctrinating all installation personnel with GEEIA standard practices and procedures to insure and maintain a uniform installation with high quality workmanship for all assigned projects. This section has at its disposal 5 class rooms and a laboratory with 16 working spaces. Lesson plans are prepared for a course of 4 weeks. An outline of course material is submitted as attachment #6. Instructors for the course consist of qualified and experienced NCO's.

During the period from 1 January thru 30 June 1960 this section has trained 85 airmen and NCO's in standard installation practices used in installing electronic equipment. Also during this period 14 NCO's were indoctrinated in an advanced training course in procedures to be followed by the Team NCOIC when supervising an installation. The length of this course was 2 weeks. A total of 88 airmen and NCO's were indoctrinated in the safety and use of power actuated tools. Instructions were given by a representative of Andrey Company, Inc., Los Angeles, California. Each man was issued a valid operator's license.

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Material Monitoring Section

The Material Monitoring Section obtains and maintains information on material status and initiates action to local purchase minor item shortages when authorized on all C&E scheme on the 2869th GEEIA Squadron workload schedule.

A file of information including, records of phone calls, messages, and letter concerning shipment, receipt, delivery, follow-up and disposition of scheme material is maintained for each scheme. Pertinent information on shipment and receipt of scheme material is obtained from Western GEEIA Region before dispatch of installation teams. A suspense file is maintained to insure that follow-ups are made periodically on items not immediately available. A site locator file is also maintained to acquaint all interested personnel with peculiar supply or transportation problems on each project location. Road maps and references to Military Traffic Management Bulletin No. 5, dated 30 December 1959 provide information on terminal facilities and actual geographical locations of sites. On these sites not listed in the MTMB, information is obtained from personnel having first hand knowledge of site locations and peculiar problems involved.

Two hundred and three (203) items for 26 schemes were local purchased through the Squadron Supply.

AIRCOM schemes were transferred to applicable GEEIA Region during June 1960.

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Following is a Summary of Projects for the Operations Division:

Ajo, Arizona:

SSgt Harry C. Wilson and 6 men completed installation of an AN/GPA-37 Radar Course Directing Facility on 7 April 1960.

Anacortes, Washington:

TSgt Covington Boswell and 6 men completed the hot check and SAGE peaking on an AN/FPS-18 Gap Filler Radar Set on 15 April 1960.

Boron AFS, California:

Mr. Richard W. Bailie and 7 men worked on the AN/FPS-20 High Power Early Warning Radar Set. Shipment of 2 gears and one O-ring for the fine grain data kit is needed to complete this installation.

Bethel, Alaska:

MSgt Onder O. Oliver and 7 men completed an antenna installation on 9 May 1960.

Burns, Oregon:

TSgt Covington Boswell and 7 men completed the relocation of an AN/FPS-6 Ground Control Intercept Radar Set on 26 May 1960.

Cambria AFS, California:

Mr. Wallace K. Love and 2 men completed the installation of an OA-947/FST-1 Gap Filler Monitor Facility on 10 June 1960.

Castle AFB, California:

SSgt John T. Basile and 3 men started installation of an AN/TMQ-11 Surface Humidity Temperature Measuring Facility on 6 June 1960.

Corn Springs, California:

CMSgt Edward W. Thompson and 9 men completed the installation of an AB-467 Gap Filler Tower on 21 June 1960.

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Davis-Monthan AFB, Arizona:

TSgt James M. Lovett and 3 men completed the installation of an AN/TMQ-11 Surface Humidity Temperature Measuring Facility on 1 June 1960, and started work on the installation of an AN/GRN-9 TACAN Set.

Edwards AFB, California:

MSgt Paul N. Chappell and 11 men completed the rehabilitation of a 26 mile pole line between Edwards AFB and the Rocket Test Site on 17 June 1960. TSgt Harold C. Stevens and 8 men started work on the installation of 3500 feet of 101 pair cable for the National Aeronautical Space Agency on 24 June 1960.

Elmendorf AFB, Alaska:

Captain Gabriel G. Flores and 40 men completed the installation of a Security Communications Center for the 6981st Radio Group Mobile and completed the installation of 7 AIRCOM schemes for the 1931st AACS Squadron on 12 April 1960.

Fuchu AS, Japan and Kadena AS, Okinawa:

MSgt Frank A. Antonaccio and 11 men completed the replacements of Telectro Branching Amplifiers with Hallamore Amplifiers on 25 Apr 1960.

George AFB, California:

TSgt Neal R. Christensen and team completed the reburial of control cable between the Navaid Transmitter and Receiver Buildings on 29 June 1960. Ditching was performed by a civilian contractor.

Hamilton AFB, California:

a. Lt Robert L. Chapman and 4 men completed the installation of an 1A1 Key System on 22 March 1960.

b. TSgt Maxwell Trainum and 5 men completed the installation of 2 Sloping "V" Antennas on 20 May 1960.

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Inglewood, California:

SSgt Raymond Parck and 1 man completed the installation of 2 crypto racks on 28 June 1960.

Kalispell AFS, Montana:

Lt Robert L. Chapman and 19 men started work on the installation of an AN/FPS-7 Search Radar Set on 4 April 1960. A work stoppage occurred on 1 May 1960 due to lack of power bus duct. Work was resumed by MSgt Willard Robinson and 5 men on 9 June 1960. A second work stoppage occurred on 28 June 1960 due to lack of AC Power.

Kingsley Field, Oregon:

Lt Otis R. Burbage Jr and 5 men installed a Pilot-To-Forecaster Facility. AFTO 88 was accomplished on 3 June 1960.

Larson AFB, Washington:

MSgt Elmer C. Barnett and 8 men completed an interim installation of data link and ground to air communications on 15 March 1960.

Madera, California:

MSgt Richard A. Wallace and 5 men completed the installation of aerial telephone cables for the Capehart Housing area on 19 June 1960.

March AFB, California:

MSgt Floyd H. Coulter and 8 men completed the relocation of 9 rhombic antennas on 31 March 1960, and completed the rehabilitation of the 33rd Communications Squadron's antenna site on 12 April 1960.

Mather AFB, California:

Mr. Robert E. Evans and 4 men completed the removal of a CPS-6 Ground Control Intercept Radar Set on 4 March 1960.

McChord AFB, Washington:

TSgt Maxwell Trainum and 17 men started work on 1 outside plant scheme and 1 inside plant scheme to install 22 type 1A1 Key Systems

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on 26 May 1960. TSgt Trainum was assigned as inspector for 5 contract outisde plant schemes. Work on the 1A1 Key System scheme was halted after 70% completion until contractor completed work in 2 buildings in July.

McClellan AFB, California:

MSgt Frank A. Antonaccio and 7 men started work on the installation of an MS Amplifier at the transmitter site on 6 June 1960.

SSgt Manuel S. Gonzales and 5 men completed the relocation of crypto racks at the communications center on 1 July 1960.

Moreno, California:

SMgt Edward W. Thompson and 10 men completed the installation of an AB-467 Gap Filler Tower on 23 May 1960.

Mt. Laguna AFS, California:

Work on the FPS-6 Height Finder Radar Set was finally completed on 10 June 1960.

Mt. Lemon AFS, Arizona:

SSgt Harry C. Wilson and 6 men completed the installation of an AN/GPA-37 Course Directing Radar Set on 16 March 1960.

Norton AFB, Californua:

The Seaward Extension Project was continued. MSgt Samual W. Walters and 8 men completed the rehabilitation of 2 discone antennas and the removal of 2 rhombic antennas in March 1960. A 2 months work stoppage on the transmitters installation was due to the replacementl of 8 PP-219 power supplies with the type PP-219A. Doublet receiving antennas were installed in June 1960 at the transmitter site to test the feasibility of it being utilized as a receiver site.

San Pedro Hill, California:

Lt Otis R. Burbage Jr. and team started work on the installation of an AN/GPA-37 Course Directing Radar Set on 20 April 1960.

Vandenberg AFB, California:

A relatively large team, varying from 71 to 100 men, was maintained

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at this important base in support of the Ballistic Missile Program. Seven (7) outside plant cable schemes and 2 control tower schemes were completed during this 6 months period. As of 30 June 1960, Lt John P. DiRosario was the team commander, and work progress was continuing on 6 outside plant cable schemes, 5 inside plant telephone schemes, 5 weather schemes and 1 TACAN scheme.

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QUALITY ASSURANCE DIVISION

The Quality Assurance Division is headed by Major Willian T. Winter, AO869881, and consist of the Management Branch and the Quality Control Branch. The function of this division is to insure that the quality of the mission product is maintained at established standards. This embraces standard installation practices, quality of workmanship, and compliance with installation specifications and drawings. In addition, this division is responsible for: (1) programming and monitoring the status of all funds required and issued for use by this organization; (2) administration of all CTS personnel; (3) monitoring submission of all reports for which the organization is responsible; (4) and the compiling of statistical data for maintenance of the Mission Control Room. Each of these branches will be separately discussed to gain a clear insight of their functions and accomplishment.

Management Branch

The function of this branch is to advise the commander on the status of funds on all projects which are the installation responsibility of the squadron. These funds include monies for civilian pay, temporary duty, local purchase, and contractual support. In addition, the branch is responsible for: (1) administration of CTSP programs if any; (2) monitoring of all necessary reports; (3) and consolidating material for the Monthly Command Folder.

Quality Control Branch

The Quality Control Branch is designed to insure the following: (1) compliance with installation specifications and drawings; (2) that standard installation practices are used in all installations; (3) and that an adequate degree of professional workanship is reflected in all installations. This branch is also responsible for reviews of specifications, drawings, and Bills of Material to detect any errors and shortages prior to the departure of an installation team.

Summary of Achievements of the Quality Assurance Divisions:

January

(1) Notification was received from Headquarters GEEIA of the consolidation of the 2877th and 2869th GEEIA Squadrons. Plans were made for the consolidation of the two Quality Assurance Sections by personnel of both sections to insure timely transfer of personnel and

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records from the 2877th GEEIA Squadron to the 2869th GEEIA Squadron with a minimum amount of productive time lost.

February

(1) The SBAMA Comptroller was notified of the deactivation of the 2877th GEEIA Squadron effective 1 March 1960.

(2) WEGER was notified of the additional funds required to support the added workload of the consolidated 2869th GEEIA Squadron.

(3) The 2877th GEEIA Squadron's final obligation report was submitted to Headquarters GEEIA.

(4) All other required actions were completed to effect consolidation of the two squadrons by 1 March 1960.

March

(1) A pre-installation survey was made at Gap Filler Site, Marion, California.

(2) Quality Assurance inspections were make at Larson AFB, Elmendorf AFB, Kingsley AFB, and Vandenberg AFB.

(3) An Outside Plant Inspector was lent to WEGER to inspect contract work.

(4) The total P437 funds allotted Third Quarters, FY 60, was $124,000. The total funds obligated was $121, 466. The percentage of obligation was 97.95%.

(5) The Fourth Quarters, FY 60, fund requirements were submitted to WEGER.

April

(1) CWO W2 Cyrus D. Irwin, Assistant Quality Assurance Officer, traveled to Mather AFB, California, for the purpose of coordinating summer encampment training activities of the 216th GEEIA Squadron, Air National Guard.

(2) Quality Assurance inspections were made at Elmendorf AFB,

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Edwards AFB, Vandenberg AFB, and Boron AFS.

(3) Pre-installation surveys were made at Kalispell, Van Nuys, and Madera.

May

(1) A Quality Assurance inspection was made at Davis-Monthan AFB, Arizona.

(2) Five CTS personnel were transferred to WEGER on 19 May 1960. Two CTS personnel were reassigned by the Contractor to the Home Office. The remaining CTS personnel were sent TDY to WEGER.

June

(1) CWO Irwin traveled to Van Nuys, California for the purpose of coordinating summer encampment training activities.

(2) Quality Assurance inspections were made at Corn Springs, Madera, Castle, McClellan, Vandenberg, and Lt. Laguna.

(3) The total P437 funds allotted for the Fourth Quarter, FY 60, were $112,000. The total funds obligated were $110,397. The percentage of obligation was 98.56%.

(4) The fund requirements for First Quarter, FY 61, were submitted to WEGER.

(5) Notification from WEGER was received on the loss of the civilian inspector space in the Quality Assurance Division due to reduction of civilian strength by WEGER.

(6) The Auditor General, Western District, conducted an audit of records and files of the civilian contract technican personnel program.

(7) The 201 files of the 5 CTSP that were transferred to WEGER, were forwarded to that headquarters.

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SUPPLY DIVISION

The Supply Division is headed by Captain William M. Funk Jr., AO718608, and is charged with maintaining an Organizational Supply Branch, a Technical Supply Branch and a Motor Pool Branch which will insure the ability of the squadron to accomplish its mission. The Organizational or Unit Supply Branch is responsible for maintaining an adequate level of supplies to sustain the normal housekeeping and administrative functions of the organization. The Technical Supply Branch is responsible for stocking general and special purpose tools and equipment required by installer personnel. The Motor Pool is responsible for maintaining a fleet of vehicles in good repair to mobilize the installations crews for more effective accomplishment of their mission.

The Supply Division is also responsible for initiating local purchase action for those items of installation material coded LP which are a work stoppage item or will create a work stoppage on a C&E installation.

To effect consolidation with the 2869th GEEIA Squadron all items of property and equipment belonging to the 2877th GEEIA Squadron were transfered to the 2869th GEEIA Squadron and picked up on their records. A final inspection of the 2877th Supply account was conducted after all records were zeroed out and the 2877th GEEIA Squadron Supply Account was closed.

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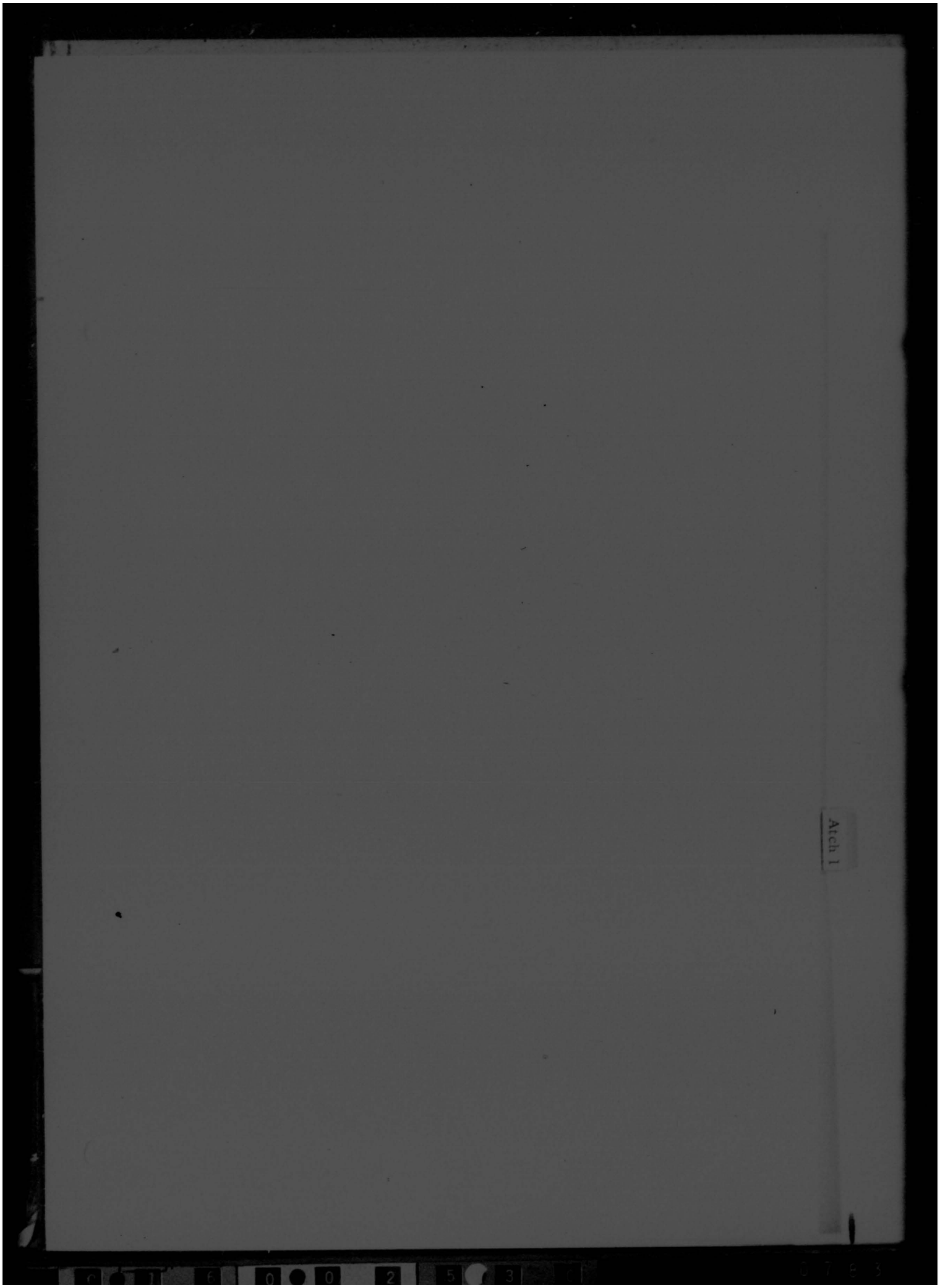

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HEADQUARTERS
AIR MATERIEL COMMAND
UNITED STATES AIR FORCE
Wright-Patterson Air Force Base, Ohio

GENERAL ORDERS)
NUMBER 13)

5 February 1960

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* * * * * * * * * * * * * * * * *

II. DISCONTINUANCE OF UNITS. 1. The following units are discontinued, as indicated, effective 1 March 1960:

UNIT	LOCATION	UNIT AUTHORIZATION LIST NUMBER
2877th GEEIA Squadron	Norton Air Force Base, California	2877-4095
2878th GEEIA Squadron	Olmsted Air Force Base, Pennsylvania	2878-4095

2. Personnel and personnel allotments rendered surplus by this action will revert to the control of the Commander, Rome Air Materiel Area.

3. Unit Authorization List Numbers for the above units will be cancelled.

4. Records will be disposed of in accordance with instructions contained in Air Force Manual 181-5.

5. Funds will be disposed of and a final report submitted in accordance with current directives.

6. A report of the above action will be submitted to the Commander, Air Materiel Command, Wright-Patterson Air Force Base, Ohio, Attention, MCCSSP, by means of the Air Force Organization Status Change Report (RCS: AF-01) in compliance with current instructions.

7. Authority: Air Force Regulation 20-27.

FOR THE COMMANDER:

JULIAN H BOWMAN
Colonel, USAF
Chief of Staff.

ERNEST L WALTERS
Colonel, USAF
Chief, Administrative Services

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ALLEN K DEBNAM
Captain, USAF
Administrative Officer

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NNNNNFHO35ZCZCSQPO23AGHOO8 "A TRUE COPY"
PP RJWZNF
DE RJWZAG 5B
P 112210ZZEX
M WESTERN GEEIA REGION
TO RJWZNF/2877TH GEEIA SQ
RJWZNF/2869TH GEEIA SQ
BT
UNCLAS SMZSF-2-24-E
SUBJECT: CONSOLIDATION OF 2877TH AND 2869TH GEEIA SQUADRONS, NORTON AFB, CALIFORNIA. EFFECTIVE 1 MARCH 60. HQ GEEIA MSG ROZA-2-16E 3 FEB 60 REQUIRES PERSONNEL OF THE 2877TH TO BE ASSIGNED (PCA) TO THE 2869TH GEEIA SQ, IMMEDIATE ACTION IS REQUIRED IN PREPARATIONFOR ADMINISTRATIVE AND PERSONNEL WORKLOAD, I.E., PERSONNEL ASSIGNMENTS, RECORDS DISPOSITION, TRANSFER OF FUNDS, REPORTS AVAILABILITY, ETC. IN VIEW OF ABOVE THE FOLLOWING ACTIONS WILL BE TAKEN. 1. INITIATE ACTION TO REASSIGN ALL 2877TH PERSONNEL TO THE 2869TH ON THE EFFECTIVE DATE OF GENERAL ORDER. ONE OFFICER

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AND ONE AIRMAN MUST REMAIN ASSIGNED TO 2877TH UNTIL THE EFFECTIVE DATE OF GENERAL ORDER. 2. TAKE NECESSARY ACTION REQUIRED BY AFM 171-6. 3. RECORDS WILL BE DISPOSED OF IN ACCORDANCE WITH INSTRUCTIONS CONTAINED IN AFM 181-5 AND PARA 9, GEEIA 100-1. 4. PROVIDE Q WGEEIAR ATTN: ZSFB WITH 4TH QTR REQUIRMENTS FOR TRAVEL AND LOCAL PURCHASE OF SCHEME MATERIAL FOR AIRCOMM WORKLOAD BY 1 MARCH 1960. 5. MAKE PREPARATIONS FOR THE FOLLOWING MATERIAL ACTIONS. 1. UAL CHANGE REQUEST (2869TH). b. ASSEMBLE MATERIAL SCHEME FOLDERS INCLUDING ALL SUPPLY INFORMATION, C. MAINTAIN RPO FOLDERS, D. PREPARI TO CLOSE OUT UAL TRANSFERRING ALL REQUIRED MATERIAL TO 2869TH REPORTING EXCESS TO HQ WGEEIAR. A MATERIEL REPRESENTATIVE WILL VISIT 2877TH AND 2869TH CONCERNING ABOVE PRIOR TO DISCONTINUANCE DATE OF 2877TH. 6. TAKE ALL OTHER ACTION REQUIRED BY CURRENT DIRECTIVES IN THE DISCONTINUANCE OF A UNIT. 7. KEEP THIS HQ (ZSC) INFORMED OF PROGRESS AND NOTIFY IMMEDIATELY OF ANY PROBLEMS THAT CAN NOT BE RESOLVED AT YOUR LEVEL OF COMMAND. 8. AFR 35-54 WILL APPLY ON EFFECTIVE DATE OF ORDER.
BT
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ALLEN K. DEBNAM
Captain, USAF
Administrative Officer

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CONSOLIDATION PLAN
for the
Consolidation of the 2877th and 2869th GEEIA Squadrons

PURPOSE: The purpose of the Consolidation Plan is to present a workable procedure for consolidation of the 2877th GEEIA Squadron with the 2869th GEEIA Squadron. A chronological sequence of actions are contained in Appendix #1 to facilitate an orderly and efficient consolidation.

GENERAL: After General Neal's and Colonel Kauffman's visit and receipt of AMC General Order No. 13, dated 5 February 1960, Major Woodruff, Commander 2877th GEEIA Squadron, began actions for consolidation of the 2877th GEEIA Squadron with the 2869th GEEIA Squadron. The consolidated squadron will be known as the 2869th GEEIA Squadron. On 9 February 1960, Commanders and Division Heads of the two squadrons met to discuss the necessary steps for consolidating the squadrons. Major Woodruff appointed a project officer to coordinate between the two squadrons and devise a procedure for the consolidation. The following is the Consolidation Plan for the 2877th and 2869th GEEIA Squadrons.

AUTHORITY: The following authority is the basis for the consolidation of the 2877th GEEIA Squadron with the 2869th GEEIA Squadron.

1. AMC General Order (No. 13) dated 5 February 1960.

2. Message from Hq WGEEIAR, SMZSF-2-24-E, Subject: Consolidation of 2877th GEEIA Squadron, Norton AFB, effective 1 March 60.

3. Message from Hq GEEIA, ROZA-2-70-E, Subject: Reassignment of personnel and Transfer of Records.

ORGANIZATION RELOCATION: At the present, no definite time has been established for physical consolidation of the organizational divisions of the two squadrons. Physical consolidation is not a major concern because of the close proximity of the two squadrons. Also many of the present facilities will continue to be used. The following relocations will be in progress by 1 March 1960.

The 2869th GEEIA Squadron Headquarters will be located in the building presently housing the 2877th GEEIA Squadron Headquarters. The Administration and Personnel Division, the Operations Division, and the Quality Assurance Division will be housed in this building. The Administration and Personnel Divisions will be consolidated in this building by the 18th February 1960.

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The 2877th Supply Personnel will consolidate with the 2869th Supply. Buildings housing both squadrons supplies will be retained as all present storage space will continue to be required.

Flight Operations and the Tech Order Library will consolidate with the present facilities of the 2869th.

All buildings presently occupied by the 2877th and 2869th GEEIA Squadrons will be retained until the new needs are determined.

STEP BY STEP PROCEDURE: In Appendix #1 is a step by step procedure for the consolidation of each division of the two squadrons. As consolidation progresses, minor changes in plans will occur when a more suitable arrangement becomes apparent. Minor changes in plans will not create confusion as both squadrons are located in the same area at Norton AFB.

ASSUMPTIONS: The consolidated 2869th GEEIA Squadron will begin to operate at its new capability by 1 March 1960 if the following assumptions are correct:

1. The consolidated 2869th will receive a statement of mission for its increased capabilities.

2. The consolidated 2869th will receive a workload for its increased capabilities.

3. The 2869th will be granted immediate authority to publish necessary overseas TDY orders for 2877th personnel transferring to the 2869th.

4. A tentative UMD will be furnished to facilitate reporting of personnel of the 2869th.

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PROCEDURES FOR CONSOLIDATION
OF
2877TH AND 2869TH GEEIA SQUADRONS

Administrative

	Target Date	Completion Date	Action By
1. Action by 2877th: Possession of GO 13 Hq AMC for deactivation	1-2-60	15-2-60	TSG Stubbs
Action by 2869th: None			
2. Action by 2877th: Publish Special Orders reassigning all personnel to the 2869th GEEIA Squadron, minus 1 officer and 1 airman.	19-2-60		TSG Stubbs
Action by 2869th: Receive all incoming personnel on 19 through 24 Feb 60.			MSgtColeman
3. Action by 2877th: Publish Special Orders reassigning remaining 1 officer, 1 airman to 2869th GEEIA Squadron.	19-2-60		TSG Stubbs
Action by 2869th: Receive remaining 1 officer and 1 airman.	1-3-60		MSG Coleman
4. Action by 2877th: Make distribution of published Special Orders as follows: a. One copy to each individual concerned b. One copy to each personnel 201 file c. One copy Hq GEEIA d. Necessary copies to gaining organization e. One copy to all GEEIA Regions	23-2-60		TSG Stubbs
Action by 2869th: None			

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5.	Action by 2877th: Screen all records for retirement and shipment to Records Staging Area in accordance with Para 040409 AFM 181-5. Action by 2869th: None	Note: Para 040409, AFM181-5 states that records will not be merged or interfiled with records of successor organization. 18-2-60	TSG Stubbs
6.	Action by 2877th: Screen and Transfer custodial responsibility of classified material in accordance with AFR 205 series, and AFM 181-5. Action by 2869th: Receive Classified files.	19-2-60 19-2-60	TSG Stubbs Lt Magner
7.	Action by 2877th: Send TWX's to Hq GEEIA, all GEEIA Regions, all Team Commanders presently on TDY in the field notifying them of change in unit designation. Action by 2869th: None	19-2-60	TSG Stubbs
8.	Action by 2877th: Publish notice in SBAMA Daily Bulletin notifying all agencies of which this organization does business of change in unit designation and location Action by 2869th: None	Notice will be published on 19 Feb to appear in DB on 23, 25 Feb and 1 Mar 60.	TSG Stubbs
9.	Action by 2877th: Make study of office space required for new organization and telephone arrangement. Action by 2869th: Assist in study and arrangement.	19-2-60 19-2-60	TSG Stubbs MSG Coleman

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10.	Action by 2877th: Conduct, together with Lt Magner of the 2869th GEEIA Squadron, a joint inventory of 2877th CNWF property. Action by 2869th: None	24-2-60	Capt Kirchoff
11.	Action by 2877th: Transfer all CNWF property to 2869th GEEIA Squadron. Action by 2869th: Receive CNWF property	24-2-60 24-2-60	Capt Kirchoff Lt Magner
12.	Action by 2877th: Submit D/F to Base CNWF Custodian notifying transfer of our CNWF funds to the 2869th GEEIA Squadron. Action by 2869th: None	25-2-60	Capt Kirchoff
13.	Action by 2877th: Notify Hqs AACS and AACS Regions of inactivation of the 2877th GEEIA Squadron and change of AIRCOM mission location. Action by 2869th: None	15-2-60	Capt Kirchoff

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PROCEDURES FOR CONSOLIDATION
OF
2877TH AND 2869TH GEEIA SQUADRONS

Personnel

		Target Date	Completion Date	Action By
1.	Action by 2877th: Be in receipt of GO discontinuing 2877th GEEIA Squadron. GO 13, Hq AMC dated 5Feb60 received this organization.	15-2-60	10-2-60	S Sgt Keim
	Action by 2869th: None			
2.	Action by 2877th: Assign all officers and airmen to 2869th GEEIA Squadron.	1-3-60		SSgt Keim
	a. ROZA-2-70-E authority to begin transfer of personnel and military records to 2869th immediately. Designate "Rear Echelon" of 1 officer and 1 airman to remain in the 2877th until EDCSA:1Mar60.			
	(1) Designate 1 officer and 1 airman as "Rear Echelon".	18-2-60		SSgt Keim
	(2) Retain 1 officer and 1 airman as "Rear Echelon".	1-3-60		SSgt Keim
	Action by 2869th: None			
3.	Action by 2877th: Request Special Orders reassigning personnel this unit to the 2869th GEEIA Squadron.	22-2-60		SSgt Keim
	a. Special Orders will establish EDCSA date of 23Feb60 for personned PFD. EDCSA 24Feb60 for personnel TDY, Lv, Abs Sk, or in confinement. EDCSA date of 1Mar60 for "Rear Echelon".	1-30-60		SSgt Keim
	b. Authority for reassignment will be AFM 35-11 and ROZA 2-70-E.			
	Action by 2869th: None			

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4.	Action by 2877th: Reassign Officers and Airmen to the 2869th and have records and airmen (if PFD)report to new unit of assignment on EDCSA date.	1-3-60		SSgt Keim
	a. Close out, verify, and certify AF617 Military Leave Record on all individuals.	1-3-60		SSgt Keim
	b. Have records in reassignment order in accordance with existing directives.	1-3-60		SSgt Keim
	c. Drop personnel from this unit's Morning Report.	1-3-60		SSgt Keim
	Action by 2869th: Gain officers and airmen from the 2877th GEEIA Squadron	1-3-60		SSgt Huddleston
	a. Gain personnel on the 2869th GEEIA Squadron Morning Report on EDCSA dates.	1-3-60		SSgt Huddleston
	b. Receive records of all personnel and assign a duty assignment.	1-3-60		SSgt Huddleston
	c. Indicate unit of assignment on officers for AF Form 11 and airmen's AF Form 7.	2-3-60		SSgt Huddleston
4.				
5.	Action by 2877th: Get disposition on GS type civilian spaces authorized this unit. 2877ZXE-11-B-01E.	22-2-60		SSgt Keim
	a. ROZA-2-70-E. "Coordinate the functional transfer of civilian employees with local CPO.		13-2-60	SSgt Keim
	b. Meeting with base CPO and Personnel Officer to coordinate transfer of GS Civilian spaces.	18-2-60		SSgt Keim
	c. Complete action decided on in meeting of Personnel Officer and CPO. Publish AF Forms 52, etc.	22-2-60	23-2-60	SSgt Keim
	Action by 2869th: Arrange working conditions for GS civilian newly assigned 2869th GEEIA Squadron.	1-3-60		SSgt Huddleston

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6.	Action by 2877th: Notify units who have reassigned airmen or officers to this unit with EDCSA dates of 1Mar60 or after. Action by 2869th: None	22-2-60	SSgt Keim
7.	Action by 2877th: None Action by 2869th: Convert AFSC in accordance with new AFM 35-1 effective 29-2-60.	29-2-60	SSgt Huddleston
8.	Action by 2877th: a. Prepare final M/R in accordance with AFM 171-6. b. Prepare and forward AF Organization Status Change Report (RCS:AF-01) Action by 2869th: None	1-3-60 1-3-60	SSgt Keim SSgt Keim
9.	Action by 2877th: Prepare and distribute AF Form 75's and AF Form 77's on individual necessary due to CRO. Action by 2869th: Process, correct, and forward AF Form 75 and AF Form 77 submitted.	1-3-60 1-15-60	SSgt Keim SSgtHuddleston

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PROCEDURES FOR CONSOLIDATION
OF
2877TH AND 2869TH GEEIA SQUADRONS

Operations

		Target Date	Completion Date	Action By
1.	Action by 2877th: Obtain disposition of present AIRCOM workload schedule. If jobs in the Pacific Area are to be done by PACGER, we must be relieved of this by official message, along with disposition instructions on specifications, drawings, schemes, BOM's, etc. Then arrange what workload is assigned to the 2877th GEEIA Squadron preparatory to consolidation with the workload schedule of the 2869th GEEIA Squadron. Action by 2869th: None	29-2-60		Capt Fischer
2.	Action by 2877th: Screen the files of the CEIC Division. Make disposition of various files to PACGER or WESGER in accordance with disposition instructions from Hq GEEIA. Then arrange remaining files of the 2877th GEEIA CEIC Division preparatory to consolidation with the operational files of the 2869th GEEIA Squadron. Action by 2869th: Similar action	29-2-60		SMSgt Lum
3.	Action by 2877th: List names of eligible personnel by rank and AFSC preparatory to assignments to the positions authorized in the new Unit Manning Document. Action by 2869th: Similar action	29-2-60		Capt Fischer

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4.	Action by 2877th: Study requirements for office space and furniture to set up operations within the new organizational structure.	29-2-60	Captain Fischer
	Action by 2869th: Similar action		
5.	Action by 2877th: Obtain WESGER policy on material monitoring of schemes material.	20-2-60	CWO Blackwell
	a. If we do monitor schemes, obtain disposition for scheme files.	25-2-60	CWO Blackwell
	b. If we do monitor schemes, determine extent and set up files on new schemes.	24-2-60	CWO Blackwell
	Action by 2869th: None		
6.	Action by 2877th: None		
	Action by 2869th: Prepare a briefing of installation policies, procedures, and reports as established by WGEEIAR.	29-2-60	Capt Kelley

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PROCEDURES FOR CONSOLIDATION
OF
2877TH AND 2869TH GEEIA SQUADRONS

Quality Assurance

		Target Date	Completion Date	Action By
1.	Action by 2877th: Notify WGEEIA 4th Quarter Fund Requirement for Travel and LP for AIRCOM Workload.	19-2-60		SMS Carson
	Action by 2869th: None			
2.	Action by 2877th: Send Financial Obligation report to Hq GEEIA	25-2-60		SMS Carson
	Action by 2869th: None			
3.	Action by 2877th: Transfer Administration of CTS Program	25-2-60		MSgt Steele
	Action by 2869th: Assume administration of CTS Program	26-2-60		MSgt Steele
4.	Action by 2877th: Terminate RCS Reports Monitoring for 2877th.	25-2-60		MSgt Steele
	Action by 2869th: Assume RCS Report Monitoring	26-2-60		MSgt Steele
5.	Action by 2877th: Send DF to Comptroller SBAMA advising that uncommitted funds will be withdrawn 1 Mar 60.	24-2-60		SMS Carson
	Action by 2869th: Review Fund Status and determine if sufficient amount of funds available until 31 March for combined operation.	29-2-60		SMS Carson

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	Action by 2877th: Terminate FMC Committee	23-2-60	SMS Carson
	Action by 2869th: None		
7.	Action by 2877th: Terminate files in in accordance with applicable regulations.	26-2-60	SMS Carson
	Action by 2869th: Consolidate files in accordance with applicable regulations.	29-2-60	SMS Carson
8.	Action by 2877th: Disposition of CTS personnel. Message has been sent to WGEEIAR requesting disposition of CTS Personnel.	15-2-60	MSgt Steele
	Action by 2869th: Unknown		

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PROCEDURES FOR CONSOLIDATION
OF
2877TH AND 2869TH GEEIA SQUADRONS

Supplies

		Target Date	Completion Date	Action By
1.	Action by 2877th: Inventory and prepare shipping documents for all bedding and ship to 2869th.	15-2-60		MSgt Hamilton
	Action by 2869th: Receive and post			MSgt Woods
2.	Action by 2877th: Inventory all TA type property, desks, chairs, etc., prepare shipping documents and ship to 2869th. Zero out 1120 cards.	18-2-60		MSgt Hamilton
	Action by 2869th: Receive and post.			MSgt Woods
3.	Action by 2877th: Inventory all remaining UAL property, installation tools, etc. Prepare shipping documents and ship to 2869th. Zero out 1120 cards.	22-2-60		MSgt Hamilton
	Action by 2869th: Receive and Post			MSgt Woods
4.	Action by 2877th: Make out UAL Change Request to zero 2877th UAL.	22-2-60		TSG Jenkins
	Action by 2869th: Make out UAL Change Request to receive 2877th UAL property.			SSgt LeTourneau
5.	Action by 2877th: Inventory all tools and equipment carried on informal records. Prepare shipping documents and ship to 2869th.	23-2-60		SSgt Sampson
	Action by 2869th: Receive and post			SSgt Cummings

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6.	Action by 2877th: Cancel all requisitions and due ins which are in suspense. Co-ordinate with 2869th and Base Supply to prevent Base Supply from cancelling request.	23-2-60	TSgt Jenkins
	Action by 2869th: Coordinate with Base Supply		SSgt Letourneau
7.	Action by 2877th: Request Base Supply cancel AF Forms 93.	24-2-60	SSgt Sampson
	Action by 2869th: None		
8.	Action by 2877th: Turn in to Base Supply LP Store both Chargeplates.	24-2-60	SSgt Sampson
	Action by 2869th: None		
9.	Action by 2877th: All AF 538 and 538A's of the 2877th will be transferred with the air-men and officers at time of transfer. This will be coordinated with the personnel section.	24-2-60	A/1C Green
	Action by 2869th: Receive and post		SSgt Cummings
10.	Action by 2877th: Request an inspection be made by the Inspector General's Office to close out the 2877th Supply Account.	(ASAP)	Capt Knights
	Action by 2869th: None		
11.	Action by 2877th: Consolidate accountable records, AFR, AFM, ECL, etc.	26-2-60	MSgt Hamilton
	Action by 2869th: Coordinate		MSgt Woods
12.	Action by 2877th: Close the 2877th Supply Account with Base Supply.	29-2-60	Capt Knights
	Action by 2869th: Non		

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2869TH GEEIA SQUADRON (AMC)
United States Air Force
Norton Air Force Base, California

SPECIAL ORDERS) 10 March 1960
NUMBER C-29)

1. The following named officers, this orgn, this station, are assigned primary duty titles as indicated, DAFSC as indicated, with effective date of assignment 1 Mar 60. AUTH: AFM 35-9.

GRADE, NAME & AFSN	PRIM DUTY TITLE	DAFSC
MAJ PAUL E. MCMASTERS, AO857249	OPERATIONS OFF	3016
MAJ DAVID T. WOODRUFF, 6829A	COMMANDER	3016
CAPT ALLEN K. DEBNAM, AO828972	PERSONNEL OFF	7321
CAPT DONALD L. DEHNE, AO3007845	ELEC EQUIP INSTAL TEAM COMMANDER	3034
CAPT CARL O. FISCHER, AO1650869	COMM ELEC INSTL CONTROL OFFICER	3034
CAPT GABRIEL G. FLORES, AO2095131	COMMANDER ELEC SECTION	3034
CAPT WILLIAM H. FUNK JR, AO7186608	SUPPLY OFFICER	6424
CAPT PHILIP JETER JR, 45856A	TECH PUBS, SPECS & DRAWINGS OFFICER	3034
CAPT GEORGE KELLY, AO2246404	COMDR, WIRE INSTAL & CONSTR SECTION	3034
CAPT LAWRENCE R. KIRCHOFF, 47061A	COMDR, INSTAL & CONSTR TEAM	3034
CAPT WILLIAM A. KNIGHTS, 43510A	ASST SUPPLY OFFICER	6424
CAPT PAUL O. MCGINNIS, AO935327	ASST MGMT OFFICER	3016
CAPT WILLIAM T. WINTER, AO869881	QUALITY ASSURANCE OFF	3011
CAPT KENNETH E. WILSON, 30434A	CHIEF OF FOAPPS	3034
1LT JOHN P. DIROSARIO, AO3052433	INSIDE PLANT WIRE INSTAL OFFICER	3034
1LT WILLIAM F. HAGNER JR, AO745435	ASST PERSONNEL OFFICER	7321
2LT OTIS R. BURBAGE JR, AO3093291	ELEC EQUIP INSTAL OFF	3031
2LT ROBERT L. CHAPMAN, AO3095783	RADAR INSTAL OFFICER	3041B
CWO, W3 LEON H. BLACKWELL, 950382E	MATERIAL MONITORING OFF	6424
CWO, W2 BRYAN J. ANGLETON, 954040E	OIC, CABLE SPLICING SECTION	3034
CWO, W2 CYRUS D. IRWIN, AW2201331	ASST QUALITY ASSURANCE OFFICER	3034

2. The following named officers and airmen, this orgn, this station, are assigned additional duties as indicated, effective 1 Mar 60. AUTH: AFR 32-2 and GEEIA Reg 32-2.

GRADE, NAME & AFSN	ADDITIONAL DUTY
CAPT KENNETH E. WILSON, 30434A	GROUND SAFETY OFFICER
CWO, W2 CYRUS D. IRWIN, AW2201331	ASST GROUND SAFETY OFFICER
MSGT ORVIN G. PETTIT, AF18284499	GROUND SAFETY NCO

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SO C-29, 2869th GEEIA Squadron, 10 March 1960 (Cont'd)

3. MSGT THOMAS E. LATTIE, AF19189206, this orgn, this station, having returned from TDY Alaska, the PSSD is changed from 1 Nov 58 to 4 Mar 60. Airman TDY to Puerto Rico from 29 Sep 58 to 31 Jan 59, 125 days, TDY to Puerto Rico from 1 Feb 59 to 4 Mar 59, 32 days, TDY to Alaska from 19 May 59 to 27 May 59, 9 days, TDY to Alaska from 29 Jul 59 to 16 Oct 59, 80 days, TDY to Alaska from 5 Feb 60 to 4 Mar 60, 29 days. Total days 275. AUTH: AFM 171-6 and AFM 35-11.

4. CAPT LAURENCE R. KIRCHOFF, 47061A, this orgn, this station, is awarded 2nd AFSC 7321, (Personnel Officer), effective 17 Nov 59. AUTH: AFM 36-1.

FOR THE COMMANDER:

William F Wagner Jr

DISTRIBUTION: "A"

WILLIAM F. WAGNER JR
1st Lt, USAF
Asst Administrative Officer

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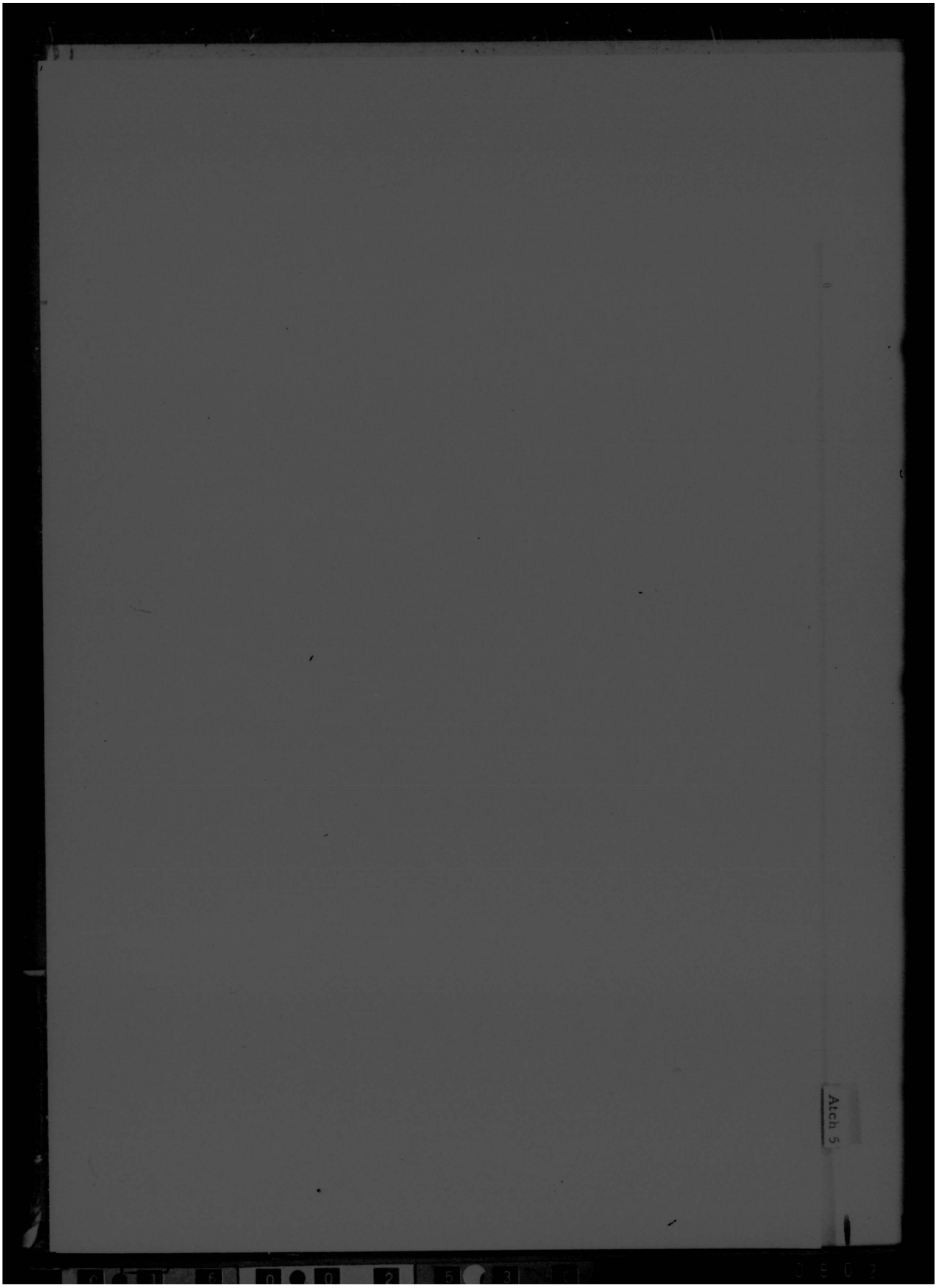

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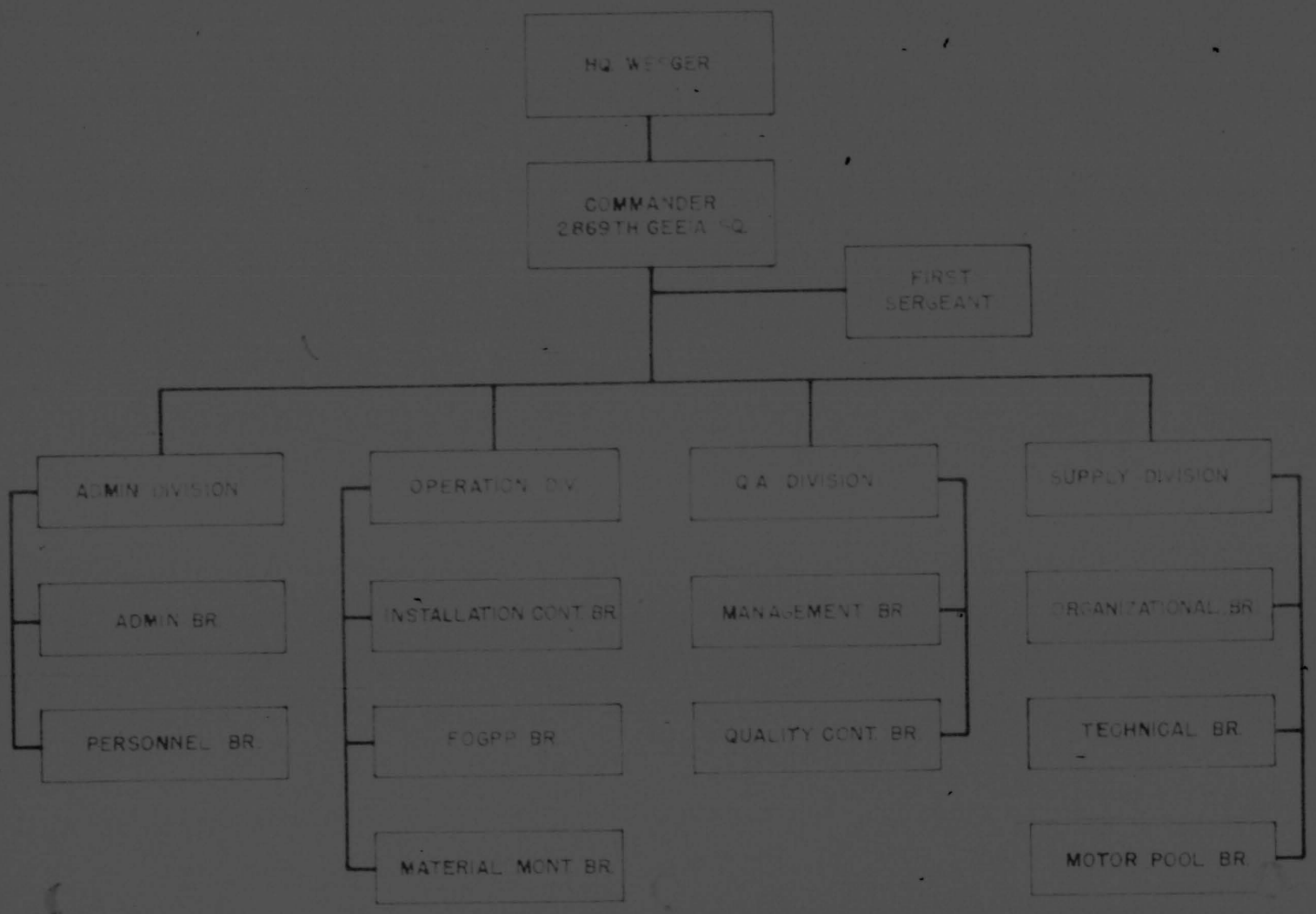
2869TH GEEIA SQUADRON
ORGANIZATIONAL CHART



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2869TH GEEIA SQUADRON (AMC)
UNITED STATES AIR FORCE
Norton Air Force Base
San Bernardino, California

15 July 1960

BASIC INSIDE PLANT COURSE OUTLINE

Course Introduction & Familiarization Lecture & Film		3 hrs
Safety & First Aid Film		2 1/2 hrs
Use of Tools Film		2 hrs
Familiarization of Standard Practices Manual		2 hrs
Use of Specifications & BOM's		2 hrs
Stenciling		4 hrs
Assembly Drawings		1 hr
Floor Layout	2 hrs lecture	2 hrs lab per team
Relay Rack & Cabinet Bolt-down	1/2 hr lecture	1 hr per team lab
Method of Moving Equipment		1/2 hr
Cable Rack Installation	3 hrs lecture	3 hrs lab per team
Conduit		1 hr
Cable Tags		1 hr
Cable Running & Sewing		17hrs lecture & lab
Wiring, Drawings, Wiring Connection Sheets		1 hr
Butting & Stripping	5 hrs lecture and lab	
Fanning & Connecting at T.S.	36 hrs lecture and lab	
Sewed Forms & Connecting at Perf T.	10 1/2 hrs lecture and lab	
Strapping & Cross-Connection at T.S. & Perf Term	7 hours lecture & lab	
Coaxial Connections	9 hrs lecture and lab	
Power and Grounding	9 hrs lecture and lab	

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SEMIANNUAL HISTORICAL REPORT

2868th GEEIA Squadron (AMC)

1 Jan 60 thru 30 Jun 60

PREPARED BY: Seth A. Armstead, Jr.
Major, USAF

Name and location of Next Higher Headquarters:
Western GEEIA Region, McClellan Air Force Base, California

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SEMIANNUAL HISTORICAL REPORT

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Semiannual Historical Report, Report Control Symbol: AUD-5

PERSONNEL STRENGTH (Last day of reporting period):

	OFFICERS	AIRMEN	CIVILIANS GS	CIVILIANS WSF	TOTAL
AUTHORIZED:	11	149	22	47	229
ASSIGNED:	10	179	19	46	254

STATEMENT OF MISSION INCLUDING CHANGES

In accordance with policies established by Chief of Staff, USAF, AFR 20-7 and T.O. 31-1-8, the 2866th CEEIA Squadron is responsible for the engineering and installation of ground communications and electronics facilities as requested by the Alaskan Air Command with the exception of security service facilities and air communications net facilities for Alaska and Western Canada as directed by Western CEEIA Region or Headquarters CEEIA and higher authority.

ORGANIZATIONAL CHANGES INCLUDING REASONS FOR CHANGE

There were no organizational changes during this reporting period.

COMMAND PROGRESS AND PROBLEMS

CE scheme and work order local procedures have been reduced to writing so that clarity and continuity may be maintained regardless of personnel changes which might occur in the future.

Several conferences with customers have been generated at our request. The purpose of these conferences has been successfully carried out in that programs are more accurately identified and have been re-aligned to meet actual requirements which such re-alignment was necessary.

Monthly meetings with our major customers for the purpose of current updating of the H-1 Report have provided us with a method of periodically obtaining customer views as to the adequacy and timliness of our effort.

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Customers are not satisfied with the timliness of our responses to their requirements and this can be attributed to the inability of this unit to obtain items from CBSAC which can be provided only by them. The cooperation and understanding of our customers has been of immense help to us but a continuance of this problem over the course of the next year or more will undoubtedly result in a steady deterioration of these relationships.

We are handicapped in one area particularly and this area is in the adequacy of directives supplied to us by higher echelons of CBSIA. For example: T.C. 31-1-8 was sent to us as a grade 2 publication and although it is understandable that Headquarters desired this directive to be in the field as soon as possible, the inadequacy of policies in certain areas such as relocations and rehabilitations leads only to confusion at the working level.

We are further handicapped by the lack of an adequate UMD which adversely affects the mission of this unit.

ADMINISTRATIVE PROBLEMS AND PROBLEMS

Progress in the P&A functions of this organization was in magnitude for the period covered by this report. Many significant improvements were made which increased the overall efficiency of the P&A section. Some of the major accomplishments are:

a. Rearrangement of the various elements within the P&A section which now enables personnel to perform their jobs in less time and with greater efficiency.

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b. Complete screening and restocking of publications to insure an up-to-date publications section.

c. Revamping of the filing system for adequate and efficient reference.

d. Unit mail room staffed by experienced administrative personnel resulting in excellent inspection reports.

e. Modification of the Special Orders Section to insure immediate preparation of orders for mission accomplishment.

f. Establishment of a Airmen Performance Report (AF Form 75) system which insures that prompt and correct reports are rendered.

g. Formation of a Special Actions Section which processes reenlistments, retirements, school requests, etc. (This section has increased the morale throughout the unit.) Many other accomplishments were made by the P&A function during the past six (6) months.

The Unit Manning Document continues to be a major problem. It is believed that the prime factors responsible for the inadequate manpower program within CMMA are inexperienced personnel in the manpower sections resulting in lack of guidance for subordinate units and failure of higher headquarters to realize and comprehend the manpower requirements necessary to perform the overall mission.

The effect of an inadequate UMD is twofold on this organization as it forces reporting many personnel as surplus who are actually required to accomplish the unit mission, and it precludes the proper pipeline actions that are imperative to the manning of this Squadron.

In conclusion, the overall Personnel and Administrative function of this organization is operating in an efficient manner. The section is presently

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manned by competent and hard-working individuals who, by means of their devotion to duty and espirit de corps, have enhanced the morale of the entire 2668th CEGIA Squadron.

C-2 SCHEMES WAREHOUSE PROGRESS AND PROBLEMS

During the last six (6) months, the Scheme Warehouse shipped thirty-eight (38) schemes for the following installation branches: Outside Plant - six (6), Radio Section - fourteen (14), Radar Section - seventeen (17), Inside Plant - one (1). It is felt that more schemes could have been shipped during this period had "Project Count" not slowed our receipt of supplies to complete schemes.

Problems encountered: The GPA-30, AB-269 Radar Tower for six (6) each GE Schemes in Alaska were received toward the end of this reporting period. These schemes are being installed by civilian contractors and the equipment is government furnished through our supply agency. The Corps of Engineers is administering these contracts. Great embarrassment was experienced by this office because in every case, this equipment arrived damaged and/or with missing parts.

These discrepancies can be contributed mainly to the poor packaging of this material for shipment. In Alaska, material must be handled several times before it reaches its end location. This is caused by the lack of modern highway and rail communication systems. A full report on our findings on these problems will be forwarded to Headquarters when our data is complete.

INSTALLATION PROGRESS AND PROBLEMS

a. Outside Plant

Schemes & Projects Completed: (20)	Installation Manhours:	11,012
Schemes & Projects in Progress not Completed: (27)	"	24,389
		20,401

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b. Inside Plant

Schemes & Projects Completed: (20) Installation Manhours: 4,006
Schemes & Projects in Progress not completed: (16) " " 11,103
15,109

c. Radio:

Schemes & Projects Completed: (20) Installation Manhours: 2,784
Schemes & Projects in Progress not completed: (10) " " 10,191
12,975

d. Radar:

Schemes & Projects Completed: (5) Installation Manhours: 260
Schemes & Projects in Progress not completed: (4) " " 639
899

e. Total:

Schemes & Projects Completed: (75) Installation Manhours: 17,022
Schemes & Projects in Progress not completed: (63) " " 55,188
72,210

INSTALLATION MANHOUR UTILIZATION DURING PERIOD 1 JAN 60 THRU 30 JUN 60:

a. Outside Plant:

Manhours assigned: 73,388
Manhours utilized in installation work: 71,806
Percentage of manhour utilization: 97%

b. Inside Plant:

Manhours assigned: 25,414
Manhours utilized in installation work: 24,499
Percentage of manhour utilization: 96%

c. Radio:

Manhours assigned: 11,948
Manhours utilized in installation work: 10,960
Percentage of manhour utilization: 92%

d. Radar:

Manhours assigned: 16,900
Manhours utilized in installation work: 16,564
Percentage of manhour Utilization: 98%

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c. TOTAL:

Manhours assigned:	133,910
Manhours utilized in installation work:	123,438
Percentage of manhour utilization:	92%

SCHEMES, WORK ORDERS AND PROJECTS COMPLETED FROM 1 JAN 60 THRU 30 JUN 60:

a. Outside Plant:

SCHEME OR PROJECT	DATE STARTED	DATE COMPLETED	INSTALLATION MANHOURS SINCE 1 JAN 60
A2-GM82-B-166A0-G	18 Nov 59	4 Jan 60	80
48-GM82-B-376A7-G	10 Jun 57	18 Jan 60	336
20-HZ17-B-376A0-G	12 Feb 60	18 Feb 60	175
A2-BX15-R-180A0-G	Mar 60	Mar 60	0
30-HC15-X-1094A9-G			1,037
20-HC15-X-188A0-G			933
A2-GM62-B-190A0-G	Apr 60	4 Apr 60	16
A2-GM82-B-153A0-G	Aug 59	N/A	886
30-NM57-X-0180A0-G			1,000
30-NM57-X-0182A0-G			1,248
42-GM82-B-779A0-G	25 Apr 60	3 May 60	280
42-GM82-B-192A0-G	Apr 60	4 Apr 60	132
29-GM82-B-481A8-G	10 Aug 59	11 Apr 60	116
A2-GM82-B-305A0-G	21 Mar 60	3 Jun 60	112
A2-GM82-B-193A0-G	4 Mar 60	21 Apr 60	368
A2-GM82-B-329A0-G	12 May 60	19 May 60	128
20-0I99-X-1092A9-G		11 May 60	1,081
30-0I99-X-1091A9-G		11 May 60	1,281
30-PM35-X-0.85A0-G		6 May 60	850
30-PM35-X-1096A9-G		6 May 60	953
TOTAL SCHEMES: 20		TOTAL MANHOURS:	11,012

b. Inside Plant:

A2-GM82-C-177A0-G	7 Jan 60	11 Jan 60	100
A2-GM82-C-175A0-G	13 Jan 60	15 Jan 60	32
48-KB78-A-336A7-G	11 Jan 60	16 Jan 60	542
A2-DE04-409A7-G	19 Jan 60	26 Jan 60	100
A2-GM82-A-165A0-G	14 Dec 59	4 Feb 60	64
A2-UP12-A-273A7-G	8 Jan 60	12 Jan 60	400
48-0I99-A-304A7-G	Jan 58	24 Mar 60	300
A2-KX07-A-034A0-G	11 Jan 60	9 Feb 60	728
29-WL70-433A8-G	Apr 60	20 Apr 60	50
29-WL70-430A8-G	Apr 60	20 Apr 60	30
39-GM82-A-477A8-G	26 Aug 59	6 Jun 60	456
A2-GM82-C-306A0-G	21 Mar 60	26 Apr 60	284
A2-PM35-A-1147A0-G	May 60	25 May 60	184

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Inside Plant (Cont'd)

SCHEME OR PROJECT	DATE STARTED	DATE COMPLETED	INSTALLATION MANHOURS SINCE 1 JAN 60
A2-LK91-A-304A0-G	Mar 60	19 Apr 60	120
A2-GM82-A-322A0-G	Apr 60	27 Apr 60	60
A2-BX15-A-1155A0-G	Jun 60	6 Jun 60	58
A2-DH31-A-1158A0-G	Jun 60	8 Jun 60	50
A2-KZ60-A-1159A0-G	Jun 60	6 Jun 60	50
A2-UP12-A-1151A0-G	Jun 60	5 Jun 60	46
A2-DH02-A-1156A0-G	Jun 60	10 Jun 60	48
A2-NM57-A-1163A0-G	Jun 60	13 Jun 60	50
11-A2-AC31-A-1153A0-G	Jun 60	16 Jun 60	48
11-A2-UA57-A-1149A0-G	Jun 60	20 Jun 60	70
11-A2-VO27-A-1149A0-G	Jun 60	Jun 60	70
11-AC31-A-1153A0-G	Jun 60	Jun 60	48
A2-GH07-A-1162A0-G	Jun 60	Jun 60	24
A2-GH07-A-1164A0-G	Jun 60	Jun 60	24
A2-GH07-A-1160A0-G	Jun 60	Jun 60	24
TOTAL SCHEMES: 28		TOTAL MANHOURS:	4,062

c. Radio:

48-PM35-N-350A7-G	Apr 57	18 Jan 60	0
48-KZ60-N-307A7-G	Apr 57	18 Jan 60	0
48-HZ-N-398A7-G	Apr 57	18 Jan 60	0
48-IW10-N-365A7-G	Apr 57	18 Jan 60	0
48-DG74-N-297A7-G	Jan 59	18 Jan 60	0
20-BY74-N-482A0-G	4 Dec 59	14 Jan 60	0
48-DH31-C-270A7-G	Sep 59	27 Jan 60	0
48-NF37-N-300A7-G	Apr 57	28 Jan 60	0
48-HZ17-C-343A7-G	22 Jan 60	15 Feb 60	1
A2-NEK-R-129A0-G	14 Oct 59	4 Mar 60	65
AN/TRC-1 Summit Mt.		4 Mar 60	40
48-PG61-N-291A7-G	Apr 57	11 Mar 60	312
TACAN (Dual AN/URN-3, UKT 262A7-G)		Inst of Mod Kit #5	491
A2-GM82-317A0-G	15 Apr 60	2 May 60	58
40-XP82-143A0-G	20 Apr 60	19 May 60	130
40-XP82-N-1502R0-G	12 May 60	19 May 60	19
39-KZ60-C-439A8-G	24 May 60	1 Jun 60	66
A2-XU02-R-321A0-G	21 Apr 60	3 Jun 60	194
48-BX52-N-412A7-G	Apr 57	14 Jun 60	527
39 GM82-C-473A8-G	23 May 60	25 May 60	96
TOTAL SCHEMES: 20		TOTAL MANHOURS:	1,184

d. Radar:

48-GM82-N-381A7-G	Jan 59	22 Jan 60	0
48-GM82-N-382A7-G		22 Jan 60	0
38-GM82-N-359A7-G		8 Feb 60	0

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Radar (Cont'd)

A2-BX15-X-318A0-G	20 Apr 60	26 Apr 60	80
A2-PM35-X-320A0-G	4 May 60	3 May 60	80

TOTAL SCHEMES: 15 TOTAL MANHOURS: 160

Schemes and work orders completed this year with 0 manhours indicates that 88's were signed during 1960 but manhours expended during 1959.

SCHEMES, WORK ORDERS AND PROJECTS IN PROGRESS, NOT COMPLETED

a. Outside Plant

SCHEME OR PROJECT	DATE STARTED	INSTALLATION MANHOURS SINCE 1 JAN 1960	% OF COMPLETION
39-DG74-X-475A8-G	Instl not started	278	10%
48-GH07-B-386A7-G	6 Jul 59	3208	95%
48-GH07-B-466A8-G	5 May 60	1520	89%
22-GH07-B-764A0-G	2 May 60	48	
48-GM82-B-375A7-G	1 Apr 59	2622	88%
49-GM82-B-486A8-G	24 May 60	560	85%
42-GM82-B-777A0-G	24 May 60	32	42%
11-GM82-B-164A9-G	17 Aug 59	468	90%
A2-GM82-B-040A0-G	6 Oct 59	2907	54%
A2-GM82-B-505A0-G	20 May 60	896	90%
A2-GM82-B-348A0-G	20 May 60	216	90%
A2-GM82-B-349A0-G	6 Jun 60	308	23%
29-HW44-B-448A8-G		180	90%
20-KZ60-X-0190A0-G	13 Jun 60	688	90%
20-KZ60-X-0191A0-G	13 Jun 60	545	90%
A2-KX07-B-188A0-G	25 Feb 60	7244	90%
A2-KZ60-B-020A0-G	27 Apr 60	64	
A2-LK91-B-161A0-G	Feb 60	1311	90%
49-LK91-B-421A8-G	28 Aug 59	123	12%
A2-LK91-B-330A0-G	30 Nov 59	1512	75%
48-LK91-B-319A7-G	25 Apr 60	32	
40-LK91-B-138A9-G	25 Apr 60	2416	38%
22-LK91-B-465A0-G	25 Apr 60	1024	21%
48-LK91-B-137A9-G	25 Apr 60	255	10%
49-PG10-X-405A8-G	Instl not started	600	18%
49-UP12-X-418A8-G	Instl not started	200	10%
A2-LK91-4A0-G	20 Jun 60	132	90%

TOTAL SCHEMES: 27 TOTAL MANHOURS: 29,389

b. Inside Plant

A2-GH07-A-032A0-G	25 Mar 60	720	84%
21-GH07-A-171A9-G	Nov 58	24	19%
A2-GH07-A-172A9-G	May 60	240	48%

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Inside Plant (Cont'd) SCHEME OR PROJECT	DATE STARTED	INSTALLATION MANHOURS SINCE 1 JAN 60	% OF COMPLETION
A2-GM82-A-001A9-G	25 Mar 60	344	48%
12-GM82-A-168A9-G	Jan 59	496	8%
40-GM82-A-162A9-G	Jan 59	1632	69%
11-A2-GM82-A-1152A0-G	Jun 60	16	80%
11-A2-GM82-A-1169A0-G	Jun 60	30	90%
11-A2-GM82-A 1146A0-G	Jun 60	34	85%
11-A2-GM82 A 1166A0-G	Jun 60	61	87%
11-A2-HC15-A-1157A0-G	Jun 60	20	90%
A2-LK91-A-1161A0-G	Jun 60	96	100%
A2-LK91-A-141A9-G	8 Feb 60	1866	60%
48-LK91-A-314A7-G	Oct 59	4628	46%
39-LK91-A-427A8-G	Mar 60	860	90%
A2-V027-A-167A0-G	Jun 60	34	90%

TOTAL SCHEMES: 16 TOTAL MANHOURS: 11,101

c. Radio

48-BX15-B-416A7-G	4 Aug 59	3799	95%
10-GZ91-N-176A9-G	21 May 60	244	10%
39-GH07-C-470A8-G	23 May 60	416	75%
JD A2-GM82-R-093A0-G	29 May 60	232	85%
48-HC15-R-354A7-G	Jul 58	26	37%
48-HZ17-N-399A7-G	23 Jan 60	7528	95%
29-HZ17-M-445A8-G	Jun 60	470	95%
48-HZ17-N-396A7-G	Jun 60	8	5%
48-LK91-N-420A7-G	Mar 57	1066	77%
48-NM57-N-302A7-G	Apr 57	300	91%

TOTAL SCHEMES: 10 TOTAL MANHOURS: 14,089

d. Radar

40-GM82-N-1385R0-G	20 Apr 60	208	98%
30-KB78-X-154A9-G	24 Jun 60	96	Unk
20-KZ60-X-150A9-G	2 Jun 60	50	Unk
29-0199-X-583A8-G	12 May 60	85	75%

TOTAL SCHEMES: 4 TOTAL MANHOURS: 439

INSTALLATION PROBLEMS

1. Untimely delivery of materials for CS schemes from CESAC is definitely a problem area. Installation dates for many schemes have had to be slipped due to non-arrival of scheme material.

2. Shortage of Special Hand Tools - Failure to supply Radar and Radio Teams with specialized hand tools (Shop) in accordance with ECL 667.

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3. The UMD for 362XX and 363XX is completely inadequate and either correction will have to be made to insure inputs or installation capability will go to zero when presently assigned personnel rotate.

4. Mission problems encountered by installation personnel during the past six months of operation in the Rigid Radome area were:

a. Panels not proper size for accurate fitting.

b. Caulking not suitable type for Alaskan weather.

5. Lack of up-to-date plant-in-place records of the three main bases (Elmendorf, Ladd and Eielson) hinder greatly in making adequate preparations for scheme accomplishment as schemes come to the installation stage on incorrect prints and immediate on the job engineering is required.

ENGINEERING PROGRESS AND PROBLEMS

The following is the work accomplished by the Engineering Directorate during the period 1 Jan 60 through 30 Jun 60:

	SCHEMES	WORK ORDERS	SPECS	MANHOURS
a. RADAR BRANCH -	6			890
		3		2,652
			28	10,963
			Sub Total:	14,505
b. RADIO BRANCH -	43			7,772
		23		1,415
			57	2,241
			Sub Total:	11,428
c. WIRE BRANCH -	32			4,232
		38		1,488
			8	3,082
			Sub Total:	8,802
GRAND TOTAL:	81	64	93	34,735

The wire engineering branch had an increase in output of 77% over the last reporting period, a decrease in manhour/output of 42.6%, with a decrease in personnel authority of 25%.

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The following major problems exist in the engineering directorate:

a. The contract for the completion of the Murphy Dome - Pedro Dome-Eielson micro wave system continues to slip. Controversy continues on lack of White Alice compatability or failure to conform to Bell System Practices on installations.

b. Graded (GS) Civilian slots in engineering are hard to fill and leave us with a void as far as supervision is concerned. It is felt that this squadron could use CTS personnel in place of the hard to fill GS slots. While this is contrary to known policies, it is felt that Alaskan Theater should be exempt from these policies.

UNIT SUPPLY PROGRESS AND PROBLEMS

UAL change has been submitted and approved for a 90% change in Test Equipment. Old Test Equipment now excess has been turned in as of this date except three (3) line items. New test equipment authorized now on hand is 50%. Representative from this unit was sent directly to Depot to process paperwork through and equipment is arriving.

Tools required in Radio, Radar and Outside Plant organization ECL's are needed, at present time funds are not available for purchase of initial and replacement items. TWX from Western CEEIA Region requiring a list of item by stock number, noun, and quantity was required if in short supply. This was answered stating items were not short supply but funds are necessary to purchase items stocked in Air Force Service Store.

Inventory has been conducted and custody receipt reaccomplished in all sections. Item excesses are in process of being turned in, and all shortages located. This account was completed prior to change of Supply Officer to be effective in August.

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1. SEMIANNUAL HISTORICAL REPORT

REPORTS CONTROL SYMBOL: AU-D5

1. NAME OF UNIT	2. LOCATION	3.
2867th GEEIA Squadron	McClellan AFB, Calif	FROM ~~1 Jan 60~~ THROUGH ~~30 Jun60~~

4. NAME AND LOCATION OF NEXT HIGHER HEADQUARTERS

Western GEEIA Region
McClellan AFB, Calif

5. PERSONNEL STRENGTH (Last day of reporting period)

	OFFICERS	AIRMEN	CIVILIAN	TOTAL
AUTHORIZED	8	128	34	170
ASSIGNED	9	109	33	151
ATTACHED	0	0	0	0

6. STATEMENT OF MISSION INCLUDING CHANGES (Continue on separate sheet)

As directed by higher headquarters, perform field installation of ground communications-electronics facilities to insure timely completion of approved USAF programs.

a. During the reporting period the Squadron did not have full capability in the heavy communications construction field, and was mainly limited to the installation of teletype, telephone, navagational aid, radio and heavy and light radar facilities.

b. The Squadron is advisory unit to the 214th GEEIA Squadron, Oregon Air National Guard.

7. ORGANIZATIONAL CHANGES INCLUDING REASONS FOR CHANGE (Continue on separate sheet)

At the start of the reporting period, Captain Fred L. Gruette was in command of the Squadron. Lt Richard B. Lewis was Installations Control Officer, with Lt William B. Acly as OIC of the Electronics Flight and Lt Ralph G. Manies as OIC of the Wire Flight Lt Lewis was filling the duties of Captain Duncan C. Lyle, who at the beginning of the reporting period was TDY to Squadron Officers School. CWO Carroll Gaskins performed duties as Supply Officer and Lt Charles H. Koll performed duties as Administrative Officer.

During the latter part of 1959, all incoming personnel were assigned duty with the 2867th GEEIA Squadron Flight located at McClellan AFB. This procedure was adopted since the Squadron was to move to McClellan sometime during 1960. These people were integrated with the already assigned civilian component at McClellan AFB. Captain Roger B. Olinde, Jr., was assigned as OIC of the Flight and CWO Robert M. Mikita performed duties as Wire and Outside Plant Supervisor. Mr. Ernest N. Parkhurst was general foreman of the civilian component.

The Flight, located at McClellan AFB came under operational control of the Installations

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7. Control Officer and the morning report was accomplished at Hamilton AFB. The Flight, however, cut orders and had their own OA from the McClellan Finance Office.

On 27 January Brig. Gen. Haskell E. Neal, Commander, GEEIA, and Col. Christian Kauffman, Commander, Western GEEIA Region, visited the Squadron and discussed the move to McClellan AFB.

Lt John W. Haggerty reported to the Squadron and assumed duties of Supply Officer on 18 Mar 60. Since Lt Haggerty was stationed at McClellan AFB, the Unit Supply moved from Hamilton AFB to McClellan AFB during the month of March. This move was accomplished utilizing Squadron personnel and government vehicles and by the end of March Supply was in full operation at McClellan AFB. Little difficulty was encountered during the move. CWO Gaskins then assumed duties as Inside Plant Supervisor, under the Wire Flight.

On 21 March 1960 Major Philip E. Huddleston assumed command of the Squadron.[2] Captain Gruette assumed duties as Installations Control Officer, with Lt Lewis as assistant Installations Control Officer. Major Huddleston was stationed at McClellan AFB, and came to Hamilton in a TDY status. At this time the Squadron received the first definite word on its' move. Hq USAF message AFOOP-BU-PP to AMC, INFO to the 2867th GEEIA Squadron, stated: "Move the 2867th GEEIA Squadron from Hamilton AFB, California to McClellan AFB (NE31) California, on the earliest practicable date after 1 June 1960." Hq AMC then issued orders to ROME AMA[3] to move the Squadron to McClellan on the earliest practicable date after 1 June 1960. (At the close of the reporting period, no order had been issued by ROME AMA.) Major Huddleston picked 2 June as the movement date, and preparations for the move began immediately. On 25 March, Lt Lewis was relieved from active duty, and the position of Asst. Installations Control Officer was dissolved.

All during the period to the end of March, the Flight located at McClellan increased in size. At the end of March, more installation personnel were located at McClellan AFB, and it was decided to move the Installations Control Section[4] on a TDY status to McClellan. This meant the only function left at Hamilton was the Administrative section.

On 1 April the Installations Control function moved to McClellan AFB.

On 3 April the move was completed and the following changes in personnel took place:

a. Captain Roger B. Olinde assumed duties as Chief of Electronics Flight with Lt Manies as his assistant. Mr. Robert Finch, F-9, assumed duties as Foreman of the Electronics Flight.

b. CWO Mikita assumed duties as Chief of Wire Flight, assisted by Mr. Robert Foerst, F-9.

c. Lt Acly assumed duties as Chief of Quality Assurance.

d. Mr. Parkhurst assisted Captain Gruette in Installations Control.

The newly formed Quality Assurance Section was placed directly under the Commander and was responsible to him for the monitoring of the quality of installations performed. On 8 May, Captain Olinde was relieved from Active Duty, and Lt Manies assumed duties as Chief of Electronics Flight. On 22 April the Squadron received detailed information concerning personnel who would make the move[5] and on 1 May 60 the Operational Plan for the move was published[6] outlining procedures and responsibilities for all sections during the move on 2 June 1960. At that time Western GEEIA Region was

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.. notified of the permanent loss of manpower due to the Squadron move and the temporary loss of manpower during the actual physical move. On 6 May Captain Duncan Lyle returned from Squadron Officers School and assumed duties as Assistant Installations Control Officer (TDY status at McClellan AFB).

On 2 June 1960 the official Squadron move took place. On 3 June 1960, the morning report was picked up at McClellan AFB, the move being accomplished with a minimum of confusion. Personnel who could not make the move were attached to the 78th Fighter Wing pending final disposition.

After the completion of the move, all sections took to the task of rehabilitating all the buildings (all barracks were rehabilitated by organic capability prior to 2 June60), and integrating into the new locations. By the end of the reporting period, all sections were settled, and all buildings rehabilitated by organic capability.

FOOTNOTES FOR 7.

1. This component, consisting of 32 civilians, was assigned duty at McClellan AFB since 1 Jan 59, or the activation of GEEIA. At that time the Squadron move to McClellan was anticipated, thus the people who transferred into GEEIA from SAMA at McClellan performed duty at McClellan AFB in order to prevent two moves.

2. 2867th GEEIA Sq (AFC), SO A-32, dated 21 March 1960.

Headquarters AMC ltr, Subject: Movement Order 60-5, 2867th GEEIA Squadron, dated 25 March 1960.

3. The Installations Control Section at the time of the move, consisted of the following personnel:

INSTALLATIONS CONTROL OFFICER
NCOIC INSTALLATIONS CONTROL
CHIEF ELECTRONICS FLIGHT
NCOIC ELECTRONICS FLIGHT
CHIEF WIRE FLIGHT
NCOIC WIRE FLIGHT
TO & FILE CLERK

At the time of the move, CWO Gaskins was TDY to Odessa, Wash. and remained TDY until the close of the reporting period, and was not involved in this move.

5. Hq GEEIA ltr, Subject: Movement of the 2867th GEEIA Sq, dated 22 April 1960.

6. Ref 2867th GEEIA Opn Plan No. 1-60, included as attachment F.

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8. ADMINISTRATIVE PROGRESS AND PROBLEMS *(Continue on separate sheet)*

During January 1960 the Administration Section was visited by the Hq 26AIA Inspection Team for annual inspection. Only a few minor discrepancies were noted during the inspection and the section was commended for its efficient operation. The major problem during this period was the shortage of personnel specialists. Of the 4 airmen authorized, only one A/1C was assigned. This airman departed for an overseas assignment on 3 June 1960 and was replaced by an inexperienced airman who has little knowledge of personnel functions and is presently under consideration for physical evaluation board action. The move of the Squadron to McClellan AFB, California, consumed a major portion of the workload in the Administration Section. By the close of the reporting period 20 airmen and 3 officers had been reassigned to McClellan AFB, 16 airmen were being assigned to other units, 2 officers and 3 airmen were awaiting assignment to McClellan AFB on 1 July 1960, 14 airmen were being assigned overseas and 17 airmen had been discharged. Only one officer is still awaiting final disposition instructions.

9. MISSION PROGRESS AND PROBLEMS A. Mission Progress

In the Electronics Field, the following installations were accomplished (those with asterisks denote facility installation started during the reporting period and which are over 50% complete at the end of the reporting period).

Instrument Landing Systems at Edwards AFB, Kingsley AFB and Davis Monthan AFB*

TACAN's (dual URN-3 or URN-5) at Edwards AFB, Mt Home AFB*, Norton AFB*, March AFB* and Mather AFB.

Weather Installation as follows - two Surface Wind Measuring Facilities, three Temperature-Humidity Measuring facilities; three Cloud-base Height Finder Facilities; two Transmissometer Facilities.

SAGE G/A: Peaking of four sites in the Portland Air Defense Sector.

AHI Relocations at five AC&W sites.

GV-12B Digital Data Convertor at Ft Lawton, Washington.

Microwave System at Hamilton AFB.

A Receiver-Transmitter Site relocation at McClellan AFB.

FPS-6 Installation at Madera AFS.

FPS-18 Installations at four gap-filler sites.

FPS-7 at North Bend AFS* and Burns AFS*, Oregon.

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9. CONTINUED (Continue on separate sheet)

In the Wire Field the following, in addition to the outside plant work connected with Electronics facilities, was accomplished:

Central Office installation at Hill AFB and Hamilton AFB.
HF Antenna Removal at McChord AFB, Wash.
600 Line Load Control at Mather AFB, Calif.
Teletype installations at 16 AC&W sites or Air Bases.
Two Rigid Radome installations at Ft Lawton, Wash.
Fire Reporting Switchboard System at March AFB.
Cabling for the McClellan AFB, flight test hanger.
The Wire Flight also assisted the 2670th GEEIA Sq. at Fairchild, Wash. as follows:

361X1 Field 8,600 manhours
361X0 Field 7,[illegible]00 manhours

On 15-16 January a quarterly Advisory Visit to the 2[illegible]th GEEIA Squadron, Oregon National Guard was held. The team was led by Captain Gruette. The National Guard Pre-Summer Encampment Conference was held at Western GEEIA Region on 15-17 February. At this time schemes for the Summer Encampment were tentatively singled out, and problems concerning the encampment were identified and resolved. On the 21st and 22nd of May, the quarterly Advisory visit for the fourth quarter FY 60 was held. At this time plans for the summer encampment reached the final stages.

The summer encampment was held on 11-25 June. Non-installation type personnel were assigned to various units at McClellan AFB. The National Guard assisted in the installation of the Cloud Base Height Measuring Facility and the Surface Wind Measuring Facility at Hill AFB, Utah; two Height-Finders at Kalispell AFS, Mont; the Interim MADE G/A at Beale AFB, Calif. and the Fire Reporting Switchboard at March AFB, Calif.

During the period from 22 January to 25 January, the Squadron received its first inspection since its activation. The inspection report stated: "The 2667th GEEIA Sq. has satisfactorily performed the installation work that was assigned to it by Hq Western GEEIA Region, but has not obtained economical utilization of all the assigned personnel".

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10. ADDITIONAL REQUIREMENTS (Continue on separate sheet)

An authorization for a SSgt, AFSC 75150 is required. He would be responsible to the Training Officer. His primary purpose would be to monitor the training program conducted by the various sections of the Squadron, and to advise the sections on the proper methods of preparation of Lesson Plans, training aids and course outlines. He would schedule training classes, advise OJT instructors on proper teaching methods, and instruct classes of a general nature.

Training is a vital function of any organization. For superior training, the kind necessary for GEEIA to perform its mission in an outstanding manner, a qualified monitor is a necessity. With this in mind, it is felt that an NCO in the 75150 field would be a vital addition to the Squadron.

11. LIST OF SUPPORTING DOCUMENTS (Continue on separate sheet)

A. ~~GENERAL~~ ORDERS — F. 2667 GEEIA SQ Opn Plan No. 1-60
B. ORGANIZATION CHARTS
~~C. MISSION DIRECTIVES~~
~~D. STATISTICS~~
E. ROSTER OF KEY PERSONNEL (Include position and date assigned)

PREPARED BY
RALPH G. MANIES, 1st Lt, USAF
Squadron Historian

APPROVED BY
PHILIP E. HUDDLESTON, Major, USAF
Commander

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C. (CONT'D)
The failure to obtain economical utilization of assigned personnel was explained under Major Item 3 of Attachment #2 to the Inspection Report. Paragraph 2 of the attachment states: "On 21 January 1960, the 2067th GEEIA Squadron received an installation workload schedule that is adequate in some areas but does not provide sufficient detail to permit economical employment of the installation personnel who specialize in outside plant and wire work. Specifically, for many of the schemes this Squadron must install, it does not provide installation start dates, status of installation materials, or scheduled completion dates. Unless action is taken to remedy this situation, the 2067th GEEIA Squadron probably will not be able to employ its personnel during the calendar year 1960 any more effectively than it did during the previous calendar year."

B. Mission Problems

1. The lack of a firm realistic schedule during the reporting period was a serious problem. The installation schedule is the document on which all operations depend; even budgeting, scheduling of leaves, obtaining specialized equipment, etc. As an outgrowth of no firm schedule, the Installation Job Specifications were not received in sufficient time to allow adequate planning for base support, team scheduling, and review of Job Specifications to correct deficiencies. GEEIA Regulation 55-3, dated 2 May 1960, provided for relief of this situation by outlining minimum workload scheduling of GEEIA Squadrons. At the end of the reporting period however, no impact of the regulation was felt at Squadron level.

In the Wire Flight the main problem was non-availability of vehicles, construction equipment, and special tools (cable splicing kits, etc.).

In the Electronics Flight, non-availability of certain critical test equipment meant relying on borrowing of this equipment from base and other activities. This necessitated unnecessary coordination and reliance on base for test equipment. These shortages exist even though authorizations for the equipments are present on the UAL; requisitions have been placed, follow-ups made and supply difficulty letters prepared.

FOOTNOTES:

1. Hq GEEIA ltr, dtd 18 Feb 60, Subj: "Report of Annual General Inspection, 2067th GEEIA Squadron."

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2867TH GEEIA SQUADRON (AMC)
United States Air Force
Hamilton Air Force Base, California

SPECIAL ORDERS)
NUMBER A-32)

21 March 1960

ASSUMPTION OF COMMAND - Under the provisions of Air Force Regulation 35-54, the undersigned hereby assumes command of the 2867th GEEIA Squadron, effective this date, vice CAPT FRED L GRUETTE, A02001524.

PHILIP E HUDDLESTON
Major, USAF
Commander

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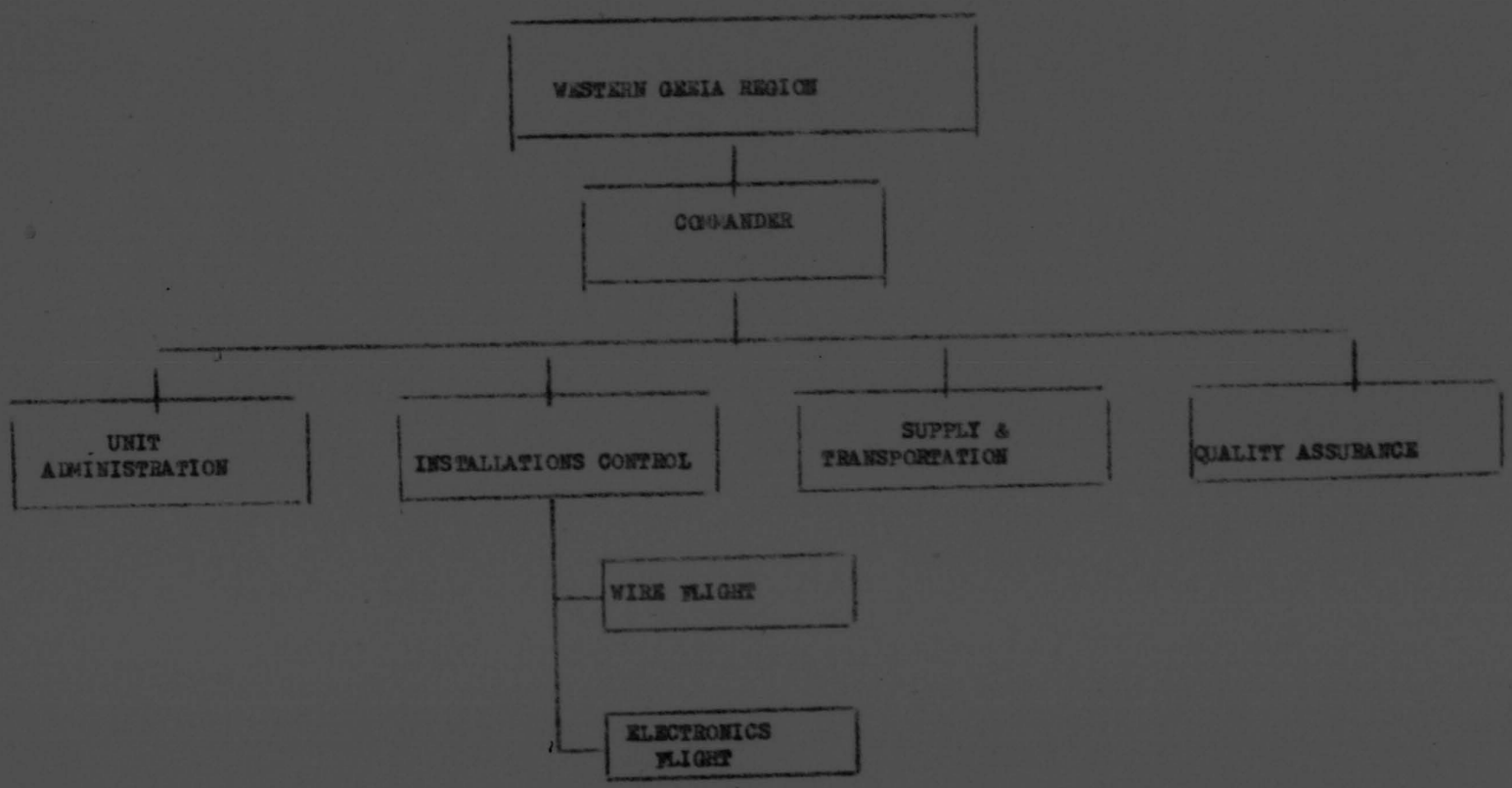
2867TH GEEIA SQUADRON (AM( )RGANIZATIONAL CHART



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ROSTER OF KEY PERSONNEL

FUNCTION	SYMBOL	POSITION	NAME	DATE ASGD
COMMAND	ZSHC	COMMANDER	Maj Philip E. Huddleston	21Mar60
PERSONNEL & ADMINISTRATION	ZSHA	Personnel Officer	1st Lt Charles H. Koll	1Nov59
	ZSHAF	First Sergeant	MSgt Harry C. Broad	18Mar58
QUALITY ASSURANCE	ZSHQ	Chief	1st Lt William B. Acly	1Apr60
		NCOIC	MSgt John E. Dolan	1Apr60
INSTALLATIONS CONTROL	ZSHO	Chief	Capt Fred L. Gruette	21Mar60
		Asst	Capt Duncan Lyle	6May60
		Gen Foreman	Mr. Ernest N. Parkhurst	
		NCOIC	MSgt Matthew Felder	Nov59
	ZSHOE -	ELECTRONICS FLIGHT		
		OIC	1st Lt Ralph G. Manies	1Apr60
		Asst	Mr. Donald E. Finch	1Apr60
		NCOIC	TSgt Arthur A. Giese	10May60
	ZSHOW -	WIRE FLIGHT		
		OIC	CWO Robert Mikita	1Apr60
		Asst	Mr. Robert Foerst	1Apr60
		NCOIC	MSgt Thurman T. Payne	4Mar59
SUPPLY	ZSHM	Supply Officer	1st Lt John W. Haggerty	18Mar60
		NCOIC	MSgt Carl Reese	27Jan60

Attachment E

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2867TH GEEIA SQUADRON
HAMILTON AIR FORCE BASE

OPERATION PLAN
SERIAL NO. 1-60

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OPERATION PLAN
SERIAL NO. 1-60

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2867TH GEEIA SQUADRON
HAMILTON AIR FORCE BASE
16 MAY 1960

OPERATION PLAN

SERIAL NO. 1-60

CHART AND MAP REFERENCES

Map: WAC 36A (San Francisco Bay) Scale 1:1,000,000

TASK SECTIONS

Personnel & Administration (ZSHA)	Lt C. H. Koll
Installations Control (ZSHO)	Capt F. L. Gruette
Supply & Transportation (ZSHM)	Lt J. W. Haggerty

1. GENERAL SITUATION

Summary of the Situation: The 2867th GEEIA Squadron is to move from Hamilton AFB to McClellan AFB on or about 2 Jun 60. McClellan AFB is located 5 miles northeast of Sacramento, California, and approximately 90 miles east of Hamilton AFB, San Rafael, California.

The advance Echelon consists of Supply & Transportation (1 officer and 4 airmen). The Supply Officer will open supply accounts and arrange operations for storing and operating organic vehicles. The Installations Control Officer will accomplish his assigned mission of installation activities, will accomplish necessary details at McClellan AFB so that the main body of troops may move into the base with a minimum of delay and confusion and will act as alternate to the Commander if necessary.

The main body of troops will depart Hamilton AFB for McClellan AFB on 2 June at 0800. Movement will be by TPA, government truck and government bus.

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A Rear Echelon will consist of 1 NCO and 1 airman. These two airmen will assist members of the command absent during the move in making arrangements to move PCS to McClellan AFB upon their return to Hamilton AFB and to administer those officers and airmen scheduled to move in July, 1960.

2. MISSION

a. To process and prepare all 2867th GEEIA Squadron personnel, equipment and supplies for movement to McClellan AFB.

b. To move all elements of the 2867th GEEIA Squadron to McClellan AFB as the Movement Order directs.

3. TASKS FOR SUBORDINATE SECTIONS

a. Unit Administration

(1) Will process all personnel in accordance with AFM 35-11. (See Annex "B")

(2) Will maintain within the personnel section a current roster of all personnel assigned. This list will show up-to-date status of every airman, civilian and officer. All shortages and overages will be reported to the Commander and higher headquarters periodically or as required.

(3) Will monitor the issuance of all orders to insure accuracy and completeness. Particular attention will be paid to the authorizations of travel for dependents, shipment of household goods and payment or special allowances.

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(4) Will process and ship all personnel records.

(5) Will be responsible for maintaining the Unit Morning Report during the movement.

(6) Will hold necessary clothing inspections to insure all personnel have sufficient and proper clothing as prescribed by current directives.

(7) Will be responsible for the disposition of all non appropriated funds and non appropriated fund property.

(8) Will process and pack for shipment all central file records.

(9) Will be responsible for the disposition and transportation of all classified material in this Squadron.

(10) Will be responsible for the proper handling of the unit's postal affairs during the movement.

(11) Will establish a Charge of Quarters at McClellan AFB as of 0730, 2 June in Bldg S-510.

(12) Will identify those individuals not scheduled to make this move and take appropriate action.

(13) Will utilize the April 1960 Manning and Informational Roster for all personnel data. Changes to the roster will be published each week and distributed to staff sections. A list of personnel shortages will be prepared separately.

(14) Will prepare reports as required by paragraph 6 of the USAF Movement Directive and paragraph 11, AFR 75-20. The report required by AFR 75-20 is actually released by the Base Commander, Hamilton AFB.

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(15) Will furnish all personnel Change of Address cards, AF Form 305.

(16) Will insure that all rated personnel complete AFR 60-2 requirements prior to PCS.

(17) New building and telephone numbers are listed in Annex "A".

(18) Will instruct all personnel as to their financial responsibilities to business owners in Marin and Sonoma Counties and elsewhere where they have outstanding debts.

(19) Will immediately inform Hq, Western GEEIA Region (ZSM) of projected gains and losses in the C & E AFSCs brought about by the ~~civil~~ movement so that Installation Schedules can be revised.

b. Installations Control

(1) Will provide the manpower necessary to accomplish this move. (See Annex "C".)

(2) Will, where possible, take such steps necessary to insure that married team personnel are in station during the period 30 May to 5 Jun 60. Any changes affecting the Installations Schedule must be approved Hq, WGR (ZSMI).

c. Supply and Transportation

(1) Will process, pack, crate, mark and arrange shipment of all organizational equipment and supplies to destination. (See Annex "D".)

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(2) Will determine equipment and spare part shortages.

(3) Will requisition all shortages at McClellan AFB.

(4) Will furnish qualified supply personnel for advance and rear echelons as required.

(5) Will be responsible for closing supply accounts at Hamilton AFB and arranging for new accounts at McClellan AFB.

(6) Will account for and transport to destination personal property of individuals who cannot accomplish the unit move because of TDY, leave, or illness.

(7) Will be responsible for movement of unit vehicles to destination.

(8) Vehicle markings will be reaccomplished in accordance with applicable directives.

x. General Instructions

(1) This move is a permanent change of station.

(2) Unit will move at strength of approximately 5 officers and 82 airmen. NOTE: 3 officers and 49 airmen are now assigned to this unit with duty location at McClellan AFB.

(3) Unit will move with unit support equipment as mutually determined by AMC and ADC.

(4) Movement of dependents and household goods is authorized in accordance with existing directives. Provisions of paragraph 7, Movement Directive (2nd PCS-FY) will be followed. (See Annex "E".)

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(5) Cite permanent change of station open allotment account classification 5703500 048-161 P531.14 503725 0200-0300-0700 CIC 4 5 048 503725 for all PCS costs of personnel prior to 1 Jul 60 in accordance with AFM 170-7. For PCS costs of personnel subsequent to 30 Jun 60 cite permanent change of station open allotment account classification 5713500 148-161 P531.14 503725 0200-0300-0700 CIC 4 5 148 5332 503725. This is not authority to obligate FY61 funds which is dependent upon Congressional action. AFR 170-8 will be strictly adhered to.

(6) There will be no transportation costs of organizational equipment and impedimenta. The Squadron will accomplish this from organic resources.

4. ADMINISTRATIVE AND LOGISTICAL MATTERS:

a. Administration

(1) All correspondence pertaining to this movement will be routed through normal channels.

b. Logistics

(1) Normal.

5. COMMAND AND SIGNAL MATTERS

a. Command

(1) Command of the Advance and Rear Echelons will be retained by the Commander, 2867th GEEIA Squadron.

(2) Command of the main body 2867th GEEIA Squadron will be retained by the Commander, 2867th GEEIA Squadron.

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b. Signal

(1) Operation of organic communications facilities will be suspended during movement to McClellan AFB.

(2) Communications to the unit will be passed through the AIRCOMNET.

PHILIP E. HUDDLESTON
Major, USAF
Commander

Annexes:

A - Buildings & Telephones

B - Administration

C - Installations Control

D - Supply & Transportation

Appendix 1 - Route Plan

2 - Accidents

E - General Instructions

DISTRIBUTION:

5 - Hq GEEIA (RZ)
5 - Hq WGR (ZSC)
3 - Hq SMAMA (B)
3 - Hq 78th FIR WG
9 - 2867th GEEIA Sq

OFFICIAL:

CHARLES H. KOLL
1st Lt, USAF
Administrative Officer

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Annex "A"
In 2 pages

ANNEX "A"
TO

OPERATION PLAN
SERIAL NO. 1-60

BUILDINGS & TELEPHONES ANNEX

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ANNEX "A"
TO
OPERATION PLAN
SERIAL NO. 1-60

BUILDINGS AND TELEPHONES

MCCLELLAN AFB

2867TH GEEIA SQUADRON
HAMILTON AIR FORCE BASE
1 May 1960 - 0730

OFFICE	BLDG	TELEPHONE
Command	S-2022	3162
Barracks	S-510	24109
Charge of Quarters	S-510	24109
Personnel & Administration	S-2022	3265
Installations Control	S-2021	28113
Quality Assurance	S-2021	20114
Supply & Transportation	S-2054	22142

William B Kelly 1/.

for CHARLES H. KOLL
1st Lt, USAF
Administrative Officer

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Annex "B"
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ANNEX "B"
TO

OPERATION PLAN
SERIAL NO. 1-60

ADMINISTRATION ANNEX

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ANNEX "B"
TO
OPERATION PLAN
SERIAL NO. 1-60

1. ADMINISTRATION

a. In accordance with AFM 35-11, all personnel who do not have 12 months service retainability and do not desire to reenlist must sign a statement similar to the following: "As I have been selected for PCS, I must either reenlist or extend my enlistment to acquire needed service retainability. I decline to reenlist or extend my enlistment. This subjects me to separation prior to ETS and renders me ineligible to enlist or reenlist in the USAF for 91 days after separation."

(1) The following personnel do not have 12 months service retainability and do not desire to reenlist:

A/2C Clearwater	A/2C Burr
A/3C Alger	A/2C Crapser
A/1C Neuman	A/3C Handa
A/2C Callahan	A/1C Niles
A/2C Gamblin	A/1C Smouse
A/2C Klinker	A/2C Cerekas
A/2C Sausedo	A/1C Givan
A/2C Aragon	

(2) ZSHA will be responsible to provide the Hamilton AFB Personnel Section a list of the above names with duty AFSCs for possible assignments with an organization at Hamilton AFB.

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(3) All personnel that are not transferred to another organization will be discharged prior to 2 Jun 60.

b. A waiver will be required from Headquarters USAF for any person who has had a previous PCS move in the last fiscal year.

(1) The following personnel have had a PCS in the last year and will remain at Hamilton AFB until after 1 Jul 60:

Capt Gruette

Lt Koll - has been alerted for overseas and will remain at Hamilton AFB until orders are received.

MSgt Reese

(2) Capt Gruette and MSgt Reese will be placed TDY to McClellan AFB effective 2 Jun 60 as will Lt Koll until his PCS orders for PACAF are issued.

c. All personnel that are TDY or on leave at the time of the move will report back to the Squadron at Hamilton AFB on 27 May 60 for orders prior to proceding to McClellan AFB.

d. Personnel at Hamilton AFB will be responsible for preparing the Unit Morning Report thru the 2d of June. Unit Morning Report for the 3d of June will be prepared at McClellan AFB.

e. ZSHA will be responsible to check each individual for full allotment of clothing before the individual leaves Hamilton AFB.

f. Charge of Quarters at Hamilton AFB on 1st of June will be relieved from duty by the First Sergeant. Charge of Quarters at McClellan AFB on 2d of June will be located in Room 3, Bldg S-510.

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g. Capt Gruette is the only rated person in the Squadron. Capt Gruette will complete his AFR 60-2 requirements for FY60 upon completion of Instrument School on the 13th of May 60. Flying time for the month of June will be obtained at Hamilton AFB.

FOR CHARLES H. KOLL
1st Lt, USAF
Administrative Officer

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Annex "C"
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ANNEX "C"
TO

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INSTALLATIONS CONTROL ANNEX

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ANNEX "C"
TO
OPERATION PLAN
SERIAL NO. 1-60

1. INSTALLATIONS CONTROL

a. Will provide necessary manpower to paint and generally rehabilitate all buildings that will be occupied by the Squadron at McClellan AFB. All buildings will be ready by 2 Jun 60.

b. Manpower will be provided to crate, pack, move and unpack all supplies and equipment.

Ralph G Manies LT USAF

for FRED L. GRUETTE
Capt, USAF
Installations Control Officer

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Annex "D"
In 3 pages

ANNEX "D"
TO

OPERATION PLAN
SERIAL NO. 1-60

SUPPLY AND TRANSPORTATION ANNEX

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ANNEX "D"
TO
OPERATION PLAN
SERIAL NO. 1-60

1. SUPPLY AND TRANSPORTATION

A. Government transportation will leave the Orderly Room at Hamilton AFB for McClellan AFB on 2 June at 0800. Personnel going by private automobile will leave in ample time to arrive at McClellan AFB not later than 1100 on 2 June.

b. All luggage that will be moved by Government transportation, except for hand luggage, will be processed for shipment the preceding day.

c. Speed of all vehicles will be left to the discretion of each driver, but at no time will any driver exceed the posted speed limits.

d. Strict driver discipline will be maintained at all times. All personnel will be under the surveillance of the civilian population. It is the Squadron Commander's desire that all personnel conduct themselves so as to reflect credit upon the Air Force.

e. The Squadron Commander will be notified as soon as possible of any accident involving either a civilian or military vehicle during the move.

f. ZSHA will be responsible to see that all personal belongings of individuals TDY or on leave are either stored at Hamilton AFB or shipped to McClellan AFB. Belongings of any individual that might be in the hospital at the time of the move will be held in the Squadron Orderly Room at Hamilton AFB until the individual is released from the hospital.

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g. All equipment will be inventoried and checked against the UAL prior to the move. All shortages will be requisitioned at McClellan AFB.

h. ZSHM will be responsible to see that adequate supplies such as bedding, wall lockers, desks, etc., are available at McClellan AFB. Any supplies that cannot be furnished by McClellan AFB and are on hand at the Squadron at Hamilton AFB will be transferred with the Squadron to McClellan AFB.

i. The four existing supply accounts at Hamilton AFB will be closed out prior to the move. All accounts will be audited if required and any discrepancies or shortages will be accounted for before closing out the accounts.

j. Records of all unit vehicles will be turned into the Base Motor Pool upon their arrival at McClellan AFB. Motor Pool at McClellan AFB will be responsible for all maintenance of unit vehicles.

k. The Hamilton AFB designation on the unit vehicles will be removed by personnel of the Base Motor Pool at McClellan AFB and re-designated to show McClellan AFB.

John W. Haggerty
JOHN W. HAGGERTY
1st Lt, USAF
Unit Supply Officer

Appendix - 1 - Route Plan

2 - Accidents

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APPENDIX 1
TO
ANNEX "D"
OPERATION PLAN
SERIAL NO. 1-60

ROUTE PLAN

Hamilton AFB to Black Point cut-off (Highway 37).

Highway 37 to the Napa turn-off and the junction of Highway 48.

Highway 48 to the junction of Highway 40.

Highway 40 to Sacramento.

Upon entering Sacramento continue east on Capital Ave. to 5th St. Turn east on "J" to 16th St. Turn north on 16th St. 16th St becomes a Freeway after leaving Sacramento. Continue on the Freeway leading to Roseville to Watt Ave. Turn north on Watt Ave. to McClellan AFB.

NOTE: Driving time is approximately 2 hours.

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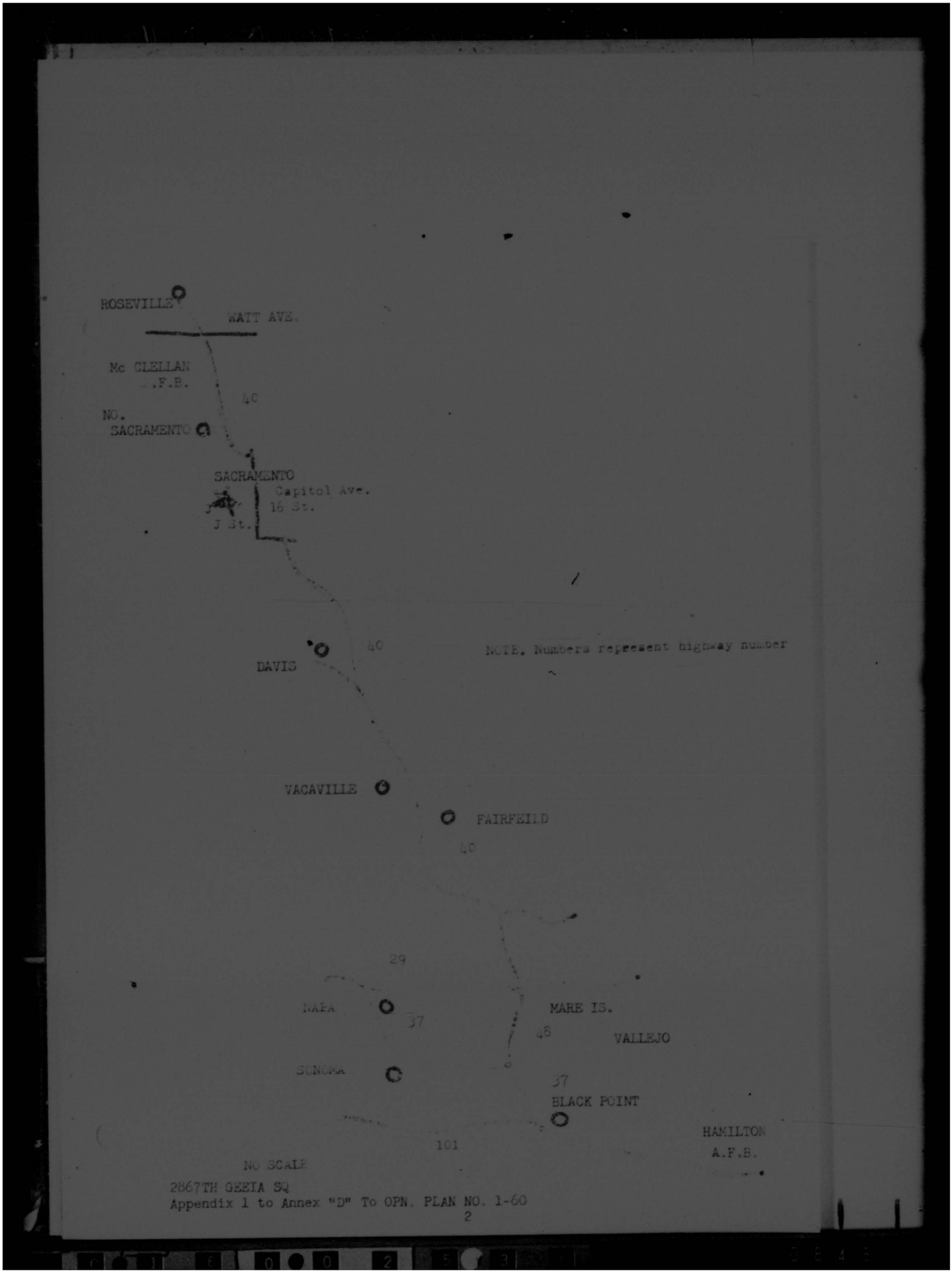

2867TH GEEIA SQ
Appendix 1 to Annex "D" To OPN. PLAN NO. 1-60

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APPENDIX 2
TO
ANNEX "D"
OPERATION PLAN
SERIAL NO. 1-60

"ACCIDENTS"

It is essential that this organization complete its move from Hamilton AFB to McClellan AFB without being involved in any accident. If, however, there is an accident involving a pedestrian, a civilian vehicle or a military vehicle, it is directed that the following steps be followed. The procedures listed will not only protect the Government's interest but your own.

To be sure that there is no mistake as to what an accident is, here is the definition: "An accident is a mishap resulting in injury to a person or animal, or damage or injury to a thing." The definition does not specify how much damage or injury is required to call it an accident, any mishap which causes the slightest injury or damage to any person, animal or thing is an accident.

No matter how slight the accident always stop and investigate it. Under the general policy of the Air Force you should cooperate with the civil law, which requires you to stop and investigate.

After a motor vehicle accident the vehicle or vehicles involved are frequently in a dangerous location for oncoming vehicles. To prevent additional accidents or damage be sure and place flares, markers or post a guard to warn all other traffic to proceed with caution. Summon the nearest Highway Patrol Officer as soon as possible. In case of injury, give only first aid treatment to stop any serious bleeding until the arrival of a Highway Patrol Officer. Highway

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Patrol Officer will determine if it is necessary to summon a doctor or ambulance.

Secure as much information as possible. Obtain names and addresses of all witnesses.

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Annex "E"
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ANNEX "E"
TO

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SERIAL NO. 1-60

GENERAL INSTRUCTIONS ANNEX

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ANNEX "E"
TO
OPERATION PLAN
SERIAL NO. 1-60

1. GENERAL INSTRUCTIONS

a. According to AFM 35-11 the following are authorized to move their families and household goods at government expense.

(1) Airman First Class with over four years service.

(2) All First Three Graders.

(3) All Officers.

(a) Definition of family is: "Spouse, child, father, mother or person in loco parentis, mother-in-law, father-in-law, or persons actually residing in applicants household who are dependent upon the applicant for over half of their financial support.

b. ZSHA will be responsible for making arrangements for all household moves with the Transportation Section at Hamilton AFB. Each individual will be notified by Lt Koll of the date that their household goods will be moved.

c. All personnel having household goods moved will be authorized three days off as follows: Day preceding the packers, day of the actual move and the day after the move.

(1) Personnel in the advanced party will be authorized to leave McClellan AFB in time to arrive at their homes the evening prior to the preceding day of the movers.

d. Any time a Squadron vehicle is scheduled for a trip to McClellan AFB the driver will check with Lt Koll to see if there is any equipment, supplies, luggage, etc., that can be transferred to McClellan AFB.

William B Koll 1/cr
for CHARLES H. KOLL
1st Lt, USAF
Administrative Officer

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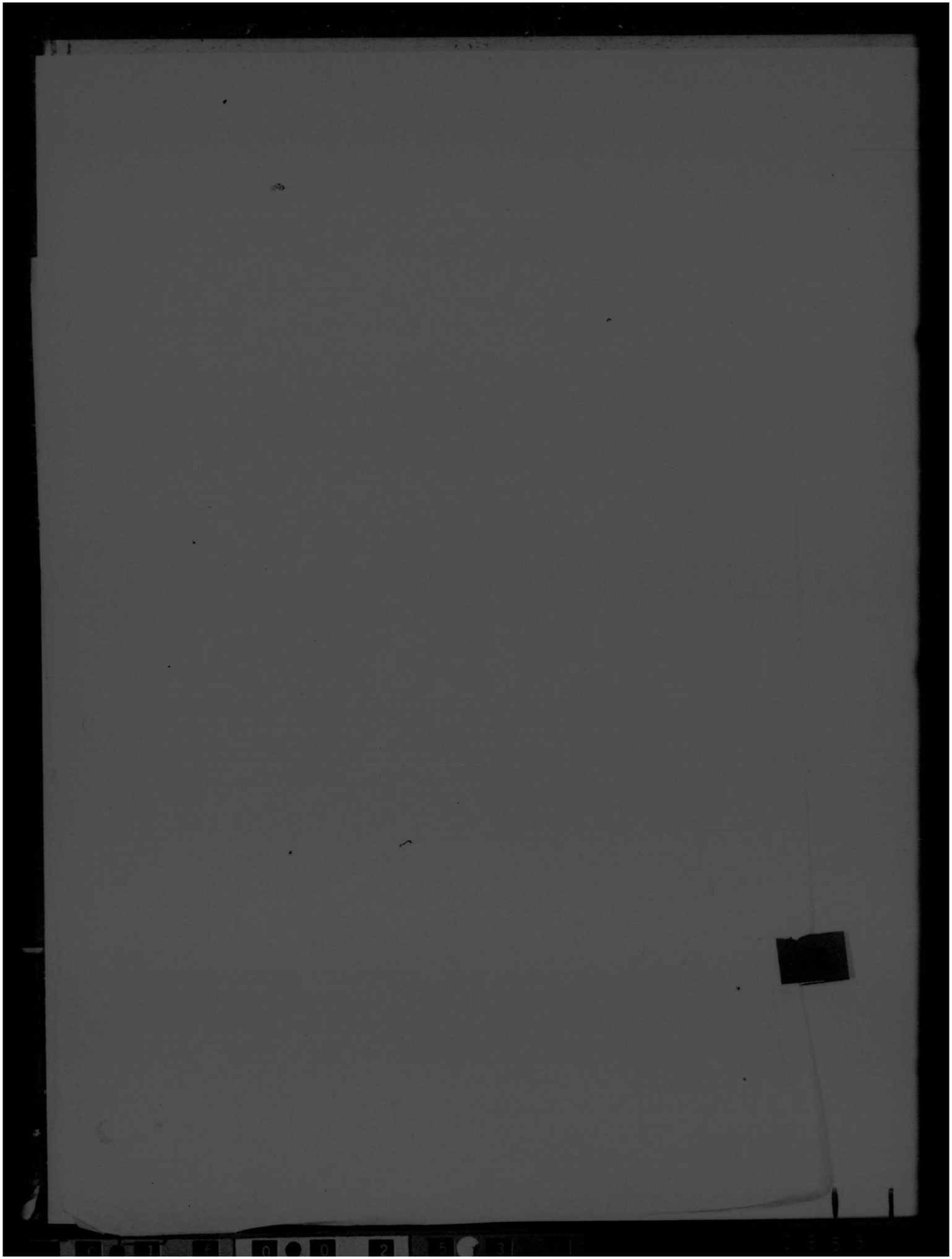

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HISTORY

CENTRAL GEEIA REGION

1 January 1960 through 30 June

Ground Electronics Engineering Installation Agency

Rome Air Materiel Area

Air Materiel Command

APPROVED:

GEORGE L. TIMME, JR.
Lt Colonel, USAF
Commander

PREPARED BY

FREDERIC L. PARIS
Chief, Analysis Division
Command Historian

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FOREWORD

The preceding historical report of this region closed the reporting period reflecting a general picture which can best be described as "the end of the beginning". Our bird was off the ground, staffing was in place and an attractive learning curve was beginning its first arc.

Actual mission accomplishment became the operational theme early in calender 1960. Efforts prior to 1 January were primarily directed toward determining what was to be done, what we had to do it with and how it was to be accomplished. During the first three months of this reporting period the experience level of our assigned and contracted personnel reached a point at which optimum effectiveness could be attained in the actual engineering, supply and installation of the assigned C-E scheme.

This contribution, then, is a document portraying a fully operational Air Force organization, which is accomplishing its assigned mission, while at the same time improving its techniques, solidifying its capability and refining its management skills.

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Quality Assurance Office. 4
Directorate/Engineering and Installation. 5
Directorate/Materiel. 6
2865th GEEIA Squadron, Chanute AFB, Illinois. 7
2866th GEEIA Squadron, Kelly AFB, Texas 8

FY60 Status Report. . . . . .

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COMMANDER'S PAGE

This has been an enjoyable six months. My remarks on this page a half a year ago indicated satisfaction with our progress, pride in our initial accomplishments and a feeling of optimism for our future.

It is now a matter of record that the optimism was fully justified. Attached, as the last section of this report, is a copy of the briefing I have used in reporting the status of this Command at the end of FY 1960. This briefing documents a very successful period in the history of CESIA and the Central CESIA Region.

Some problems are still with us, but their solutions are on the way and our endeavors toward the solutions are not detracting from our mission effectiveness. A new challenge, then, presents itself: As work gets easier, we propose to get more work done. I know this challenge will be met.

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ATHLETIC PARTICIPATION

The trophy for the pre-season softball tournament at Tinker Air Force Base now occupies a place of honor in the Central CESIA Region Headquarters. Our team went into the regular season undefeated, with a 5-0 record for the pre-season play.

By the end of June, the team had also cinched first place in the class "B" league regular play, with a 9-1 record, and another place is being cleared for the new trophy.

AlC Jose Garcia of the Personnel Office, teamed with SSgt McCarthy of 1707 ATW, won the base doubles championship in tennis and are to represent Tinker Air Force in the AMC tournament to be held in July.

Central CESIA Region is also very proud of its 100% participation in the fund drive for the Falcon's Nest, the new stadium to be built at the Air Force Academy.

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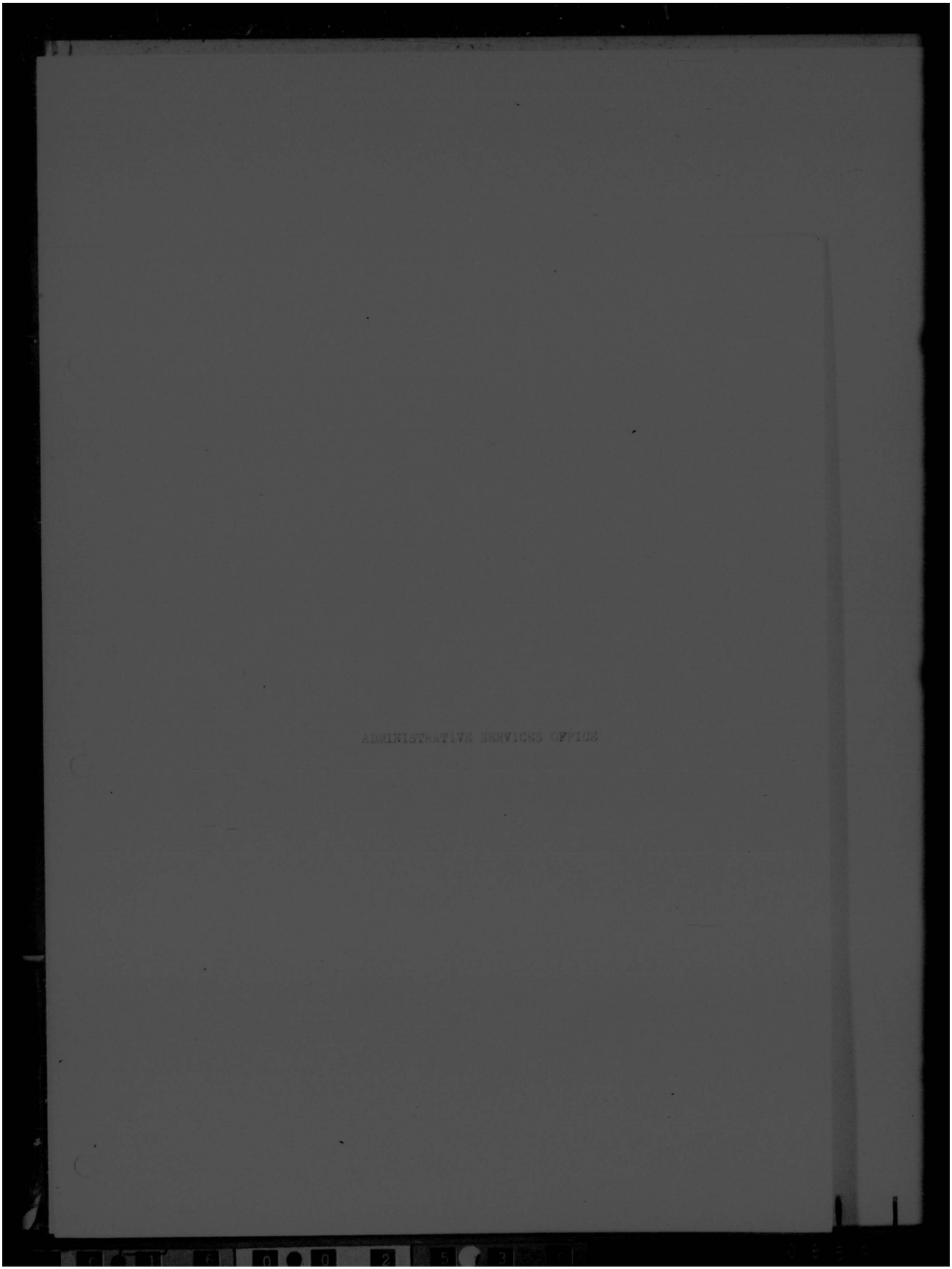

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Semiannual Historical Report

1. Name of Unit	2. Location	3.
Administrative Services Office Central GEEIA Region (AMC)	Tinker Air Force Base Oklahoma	From 1 Jan 60 thru 30 June 1960

4. Name and Location of next Higher Headquarters

GEEIA, Griffiss AFB, Rome, N. Y.

5. Personnel Strength

	Officer	Airmen	Civilian	Total
Authorized	2	6	4	12
Assigned	1	5	4	10
Attached	0	0	0	0

6. Statement of Mission Including Changes

Responsible for the establishment and direction of administrative policies and procedures. Authenticate, distribute administrative publications, travel orders, directives and communication. The message control center, consisting of one civilian employee was moved from building 751 to building 557 for the purpose of expediting the handling of incoming and outgoing messages.

7. Organizational Changes including Reasons for Change.

Airman First Class Richard J. Zint, AF 11314561, Technical Order Clerk, departed this office 3 May 1960 and assigned to Hq Iceland Air Defense Force (MATS), APO 81, New York, N. Y. per SO A-29, 27 April 1960, this organization.

On 10 May 1960 the Reproduction Branch and the Technical Order Section was assigned to the Engineering and Installation Services Division, a new division established as per letter, Hq Central GEEIA Region (AMC), subject: Organizational Directive, 10 May 1960.

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Captain Leo C. Fletcher, A0683985, Chief, Administrative Services, departed this office, 6 June 1960, and assigned to 6920 Security Wing (USAFSS) APO 915, San Francisco, California per SO A-30, 28 April 1960, this organization.

Effective 6 June 1960, the designation Personnel & Administrative Services Office was changed to Administrative Services Office.

CWO, W3, C. B. Suarez 9530688, was assigned primary duty as Chief Administrative Services Office, 7 June 1960.

8. Administrative Progress and Problems

The adoption, in April 1960, of a Headquarters Official Stamp, for the purpose of authenticating special orders expedited the processing of special orders.

Prepared by:
STANLEY P. STASCAVAGE
MSGT, USAF
Sergeant Major.

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PERSONNEL OFFICE

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HEADQUARTERS, CENTRAL CEEIA REGION (AIL)
PERSONNEL OFFICE
1 JANUARY - 30 JUNE 1960.

On 1 January, the strength of the region was 40 officers, 437 airmen, and 106 civilians. The headquarters' strength was 19 officers, 69 airmen, and 159 civilians. Manpower moved from this office to the Analysis Division, Plans and Programs Office on 17 April with the appointment of Mr. Roy Sadler as Organization and Methods Examiner, from Headquarters, OCAMA.

Eleven (11) airmen were on OJT on 1 January. Two were upgraded (1 to the 7 level and 1 to the 5 level), and one was withdrawn from training after the second APT failure, pending Classification Board Action. On 21 June 60, A3C Charles D. Colley joined the Personnel Office as a directed duty assignee and was placed on OJT to AFSC 73250. On 9 May 60, a conference with squadron training personnel was held at this headquarters, and a Training Policy devised. This policy is expected to standardize training procedures throughout Central CEEIA Region, thereby allowing more accurate monitoring of training programs.

Proficiency Pay recertification was accomplished during March for five (5) 30 career field NCOs in this headquarters, and all were found qualified to continue receiving proficiency pay (P-1).

Personnel Staff Visits were made to our two squadrons as follows: 2866th CEEIA Squadron from 14 thru 16 March, and the

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2865th GEEIA Squadron from 11 thru 13 April. These were pre-inspection staff visits. A formal inspection of the region by personnel of GEEIA headquarters was conducted during May. The Personnel Office of this headquarters received an EXCELLENT rating by these inspectors.

Our region also received the GEEIA World-Wide First Place Ground Safety Award in June for the lowest accident rate in GEEIA during 1959.

Promotion Quotas received from Hq, GEEIA for the March cycle were: to SSgt; 2, to A1C: 33, to A2C; 8. This headquarters promoted 1 A1C and 2 A2Cs. The remainder were sent to our squadrons. For the June cycle we received: to SSgt; 3, to A1C; 11, to A2C; 8. Of these, this headquarters received 1 A1C and 2 A2Cs. The remainder of the quota was allocated to the 2865th GEEIA Squadron and the 2866th GEEIA Squadron. Officers who received promotions during this reporting period were: to Major; Captain John H. Penn, 2865th GEEIA Squadron, Captain Marvin B. Hawe, 2866th GEEIA Squadron, and Captain James A. Lewis, this headquarters in June. Promoted to Captain were Lt Roger A. Bujold, Lt Alonzo F. Lawson Jr, and Lt Eugene E. Miller, this headquarters, in January. Lt Margaret M. Sanders, our Personnel Officer, was promoted to First Lieutenant in June.

From 1 January to 30 June, Gains and Losses for Hq, Central

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OEEDA Region were as follows: Officer Gains; 4, Airmen Gains; 2, Officer Losses; 4, Airmen Losses; 19. Of these losses, 1 Officer and 9 airmen were reassigned to oversea areas. An overall gain of 5 civilian personnel was realized in this headquarters during this period compared with a gain of only 1 for the entire region.

The strength of the Personnel Office on 30 June was 1 officer, 5 airmen, and 2 civilians. A2C Donald D. Ross was reassigned to Lackland Air Force Base, Texas on 7 March to attend Officer Candidate School, and SSgt Robert F. Kurka was reassigned to Amarillo AFB, Texas on 7 June with duty station at Fort Benjamin Harrison, Indiana where he is attending Army Stenography Course AIA 70430.

The region strength on 30 June was 35 officers, 330 airmen, and 187 civilians, while the headquarters strength stood at 19 officers, 52 airmen, and 164 civilians.

Margaret E. Sanders

MARGARET E. SANDERS
1st Lt., USAF
Chief, Personnel Office

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PLANS AND PROGRAMS OFFICE

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ANALYSIS DIVISION

In February and March, 1960, the monthly analysis was refined to the degree that a recapitulation report (attachment 1) could be executed to portray the status of schemes in tabular form. This recapitulation has been further developed each succeeding month to the present state, and studies are under way to improve the report to furnish additional information to the mission elements.

During the month of March, the B-1 Report statistical printing on GSSIA Form 6 was re-arranged by line item, to print an "80" card analysis of scheme status. This printing grouped schemes by commodity, then by status code (current, delinquent or anticipating delinquent) and then by remarks reason. This printing served as an extremely useful management tool, isolating delinquent schemes by reason, so that emphasis may be placed on areas requiring action.

In April another breakout of the B-1 was created, which grouped schemes according to programmed workload for succeeding months. The result was a document, which for Engineering, Materiel and Installation furnished a listing of schemes programmed for work in each mission element for 120 days in advance.

During the reporting period the Commander's Notebook was expanded to furnish the Commander with current information on personnel, manpower, status of funds, manhour utilization and the delinquency recapitulation sheets for each commodity. Copies of the most useful of the charts in the Commander's Notebook are attached as attachment 2 to the history.

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MANPOWER

During the latter half of FY 60 the Manpower and Organization function was manned on a permanent basis in the Analysis Division. Roy H. Sadler was assigned as Management Analyst to provide manpower and organization responsibilities for the Central GSSIA Region. In April the previously outmoded, incomplete UMD for the Central GSSIA Region was hand carried to Hq GSSIA for reconcilistion with existing authorizations. Necessary adjustments provided a basic foundation or "point of departure" for future manning actions. Trips were also made to 2865th and 2866th GSSIA Squadrons to reconcile their UMDs. Also, Central GSSIA Region has concentrated on insuring that the UMD document was accurate to provide maximum utilization. Further efforts for manpower spaces and evaluation of organizational changes can be rendered more effectively in the future through the manning of this function.

ORGANIZATION

Two major organizational changes occurred during the past six months. On 1 June a new organizational chart was published which established the Services Division in the Directorate of Engineering and Installation. This division grouped the functions common to both the mission divisions, such as Drafting & Design, Reproduction, Technical Services, etc., into a division with direct channel and communication to the staff office. Then on 6 June the Personnel and Administrative Services Office was abolished and the Personnel and Administrative Services functions were established as two separate staff offices.

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DELINQUENCIES BY REASON As of 20 Jul 60

ENGINEERING "B" (Column 16)

Code		Total
11	Awaiting siting concurrence	1
12	No operational plan	1
14	Lack of technical data	3
15	Change in operational requirements	3
18	Lack of building design information	2
19	Scheme disapproved, requires re-engineering	2
20	Change in building design	3
30	Engineering not completed on schedule	6
32	Program changes	2
61	Supporting structures required not complete	1
90	HIA pending cancellation	4
92	HIA pending firm requirement	8
		36

SUPPLY "B" (Column 16)

31	BOM not published	1
33	Procurement delays	12
37	Non-availability of necessary items	27
38	Shipment delay	12
41	Material damaged	1
44	Partial shipment rec'd, awaiting balance	61
64	Insufficient materials available to complete	1
90	HIA pending cancellation	14
95	Delete - C/E scheme no longer required	1
		130

INSTALLATION "B" (Column 16)

Code		Total
13	Requires engineering standards	1
15	Change in operational requirements	1
20	Change in building design	4
32	Program changes	1
33	Procurement delays	1
37	Non-availability of necessary items	1
40	Material lost in transit	1
44	Partial shipment received, awaiting balance	7
60	Building not complete	5
61	Supporting structures required not complete	18
64	Insufficient materials available to complete	8
66	Lack of contract funds	2
70	Contractor delays	73
82	Installation complete - malfunctioning of equip	4
83	Installation complete - awaiting special equip	2
84	Installation complete - awaiting flight check	1
85	Installation complete - fac opr - Plant-In-Place records not forwarded	108
88	Awaiting Installation Inspection Certificate	12
89	Installation Inspection Certificate signed with exceptions	8
90	HIA pending cancellation	4
92	HIA pending firm requirement	1
		263

ENGINEERING	36
SUPPLY	130
INSTALLATION	263
	429

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SCHEME STATUS AS OF 20 JULY 1960
Engineering Division

	SCHEDULED* PRIOR MO	COMPLETED* PRIOR MO	COMPLETED** PRIOR MO	DELINQT A#	DELINQT B##
A - Inside Wire (Govt)	7	3	3	9	1
B - Outside Wire (Govt)	5	1	3	5	5
C - Other Comm (Govt)	20	6	10	22	6
D - Inside Wire (Coml)	5	4	4	2	2
E - Outside Wire (Coml)	13	9	16	8	2
F - Other Wire (Coml)	2	1	0	1	7
M - Meteorological	4	1	5	5	7
N - Nav-Aids	6	6	11	14	1
P - Public Address	0	0	0	1	0
R - Radio	23	0	3	4	3
X - Radar	12	0	3	32	2
TOTAL	97	28	58	103	36

*Source: H-1 Report, period ending 20 July 1960
**Source: Forms 37, period ending 31 July 1960

#July 20 H-1 reflects scheme as current, will be recoded in August report
##July 20 H-1 reflects scheme as delinquent, both PCSP and Remarks Code

NOTE: With this report, ground rules for determining delinquency is changed, in that the PCSP date is the determining factor in lieu of previous "reprogramming" date.

In the August report only schemes delinquent by PCSP date (column 3) will be identified with the "B" entry in the Remarks Column (third digit, column 16).

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SCHEME STATUS AS OF 20 JULY 1960
Installation Division

	SCHEDULED* PRIOR MO	COMPLETED* PRIOR MO	COMPLETED** PRIOR MO	DELINQT A#	DELINQT B##
A - Inside Wire (Govt)	5	2	3	16	17
B - Outside Wire (Govt)	3	0	0	29	39
C - Other Comm (Govt)	2	4	5	10	6
D - Inside Wire (Coml)	4	4	8	10	13
E - Outside Wire (Coml)	36	21	30	32	64
F - Other Comm (Coml)	0	0	0		
M - Meteorological	7	2	4	83	16
N - Nav-Aids	14	1	27	73	35
P - Public Address	0	0	0	0	4
R - Radio	5	0	4	29	16
X - Radar	5	2	17	32	53
TOTAL	81	36	98	314	263

* Source: H-1 report, period ending 20 July 1960
** Source: Form 37, period ending 31 July 1960

\# July 20 H-1 reflects scheme as current, will be recoded in August report
\#\# July 20 H-1 reflects scheme as delinquent, both PCSP and Remarks Code

NOTE: With this report, ground rules for determining delinquency is changed, in that PCSP date is the determining factor in lieu of previous "reprogramming" dates.

In the August Report only schemes delinquent by PCSP date (column 3) will be identified with the "B" entry in the Remarks Column (third digit, column 16).

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PROGRAMMED WORKLOAD AS OF 20 JULY 1960
Engineering Division

	AUG	SEP	OCT	NOV	TOTAL
A - Inside Wire (Govt)			2	0	
B - Outside Wire (Govt)	1		4	2	1
C - Other Comm (Govt	9		2		2
D - Inside Wire (Coml)	5	1	5	4	26
E - Outside Wire (Coml)	21		31	4	92
F - Other Comm (Coml)	0		0	0	2
M - Meteorological	3		8	1	61
N - Nav-Aids	3	1	15	11	39
P - Public Address		0	1		1
R - Radio	34		2		50
X - Radar	21	8	1	20	60
	0	36	1	7	374

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PROGRAMMED WORKLOAD AS OF 20 JULY 1960
Installation Division

	AUG	SEP	OCT	NOV	TOTAL
A - Inside Wire (Govt)	0	0	3	2	5
B - Outside Wire (Govt)	10	1	6	2	19
C - Other Comm (Govt)	3	0	6	1	12
D - Inside Wire (Coml)	5	4	6	8	23
E - Outside Wire (Coml)	13	13	28	25	79
F - Other Comm (Coml)	0	1	0	0	1
M - Meteorological	34	5	13	5	56
N - Nav-Aids	15	10	44	7	76
P - Public Address	0	0	0	0	0
R - Radio	7	10	20	19	56
X - Radar	5	8	26	3	42
TOTAL	92	52	152	72	368

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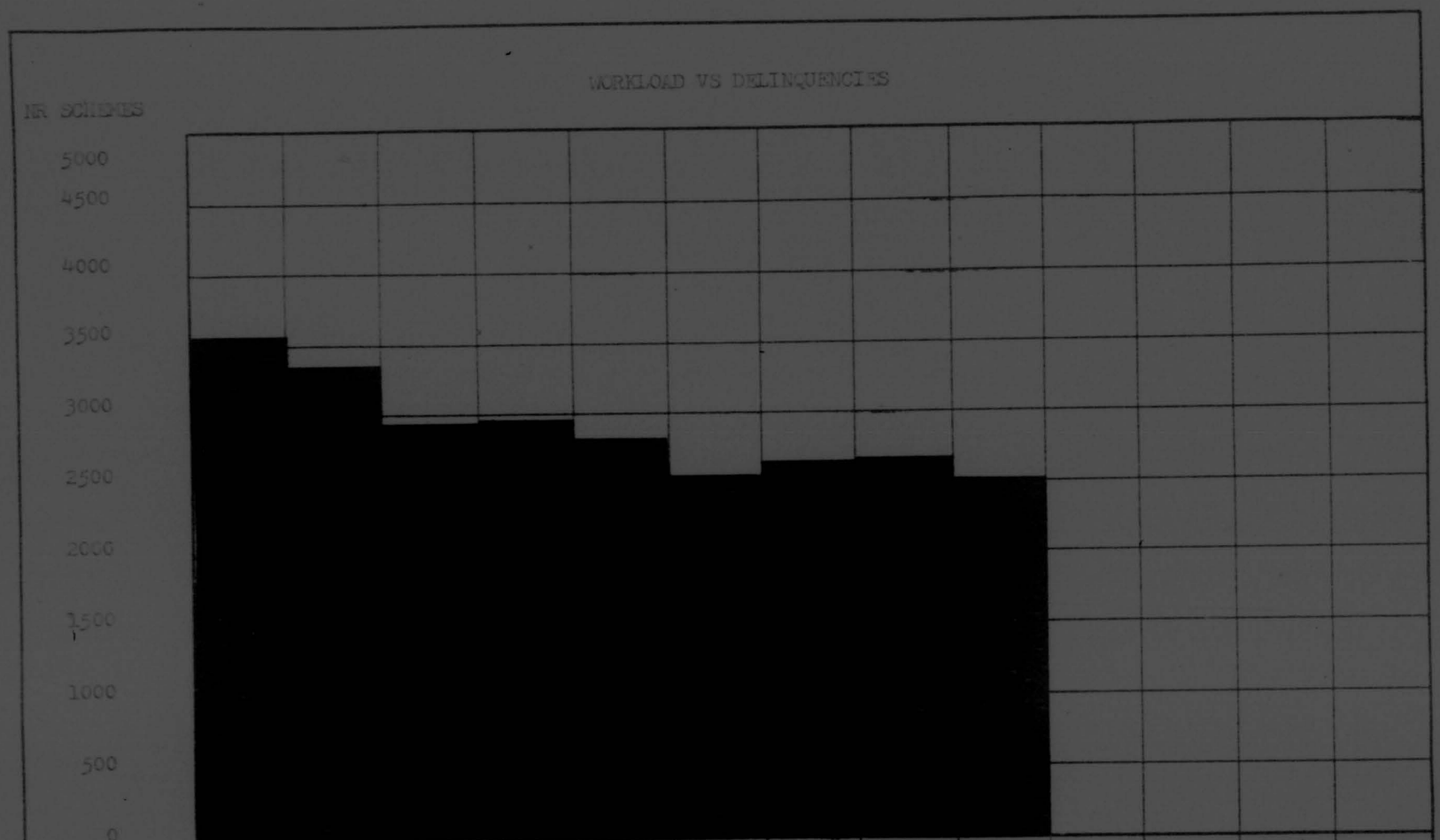
WORKLOAD VS DELINQUENCIES

IR SCHEMES



	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
TOTAL WORKLOAD	3632	3386	2948	2976	2862	2545	2645	2662	2509			
TOTAL DELINQ	1430	1248	965	1025	1026	876	761	616	549			
% Delinquent	39.4	36.9	35.1	34.4	35.8	34.4	28.8	23.1	21.9			

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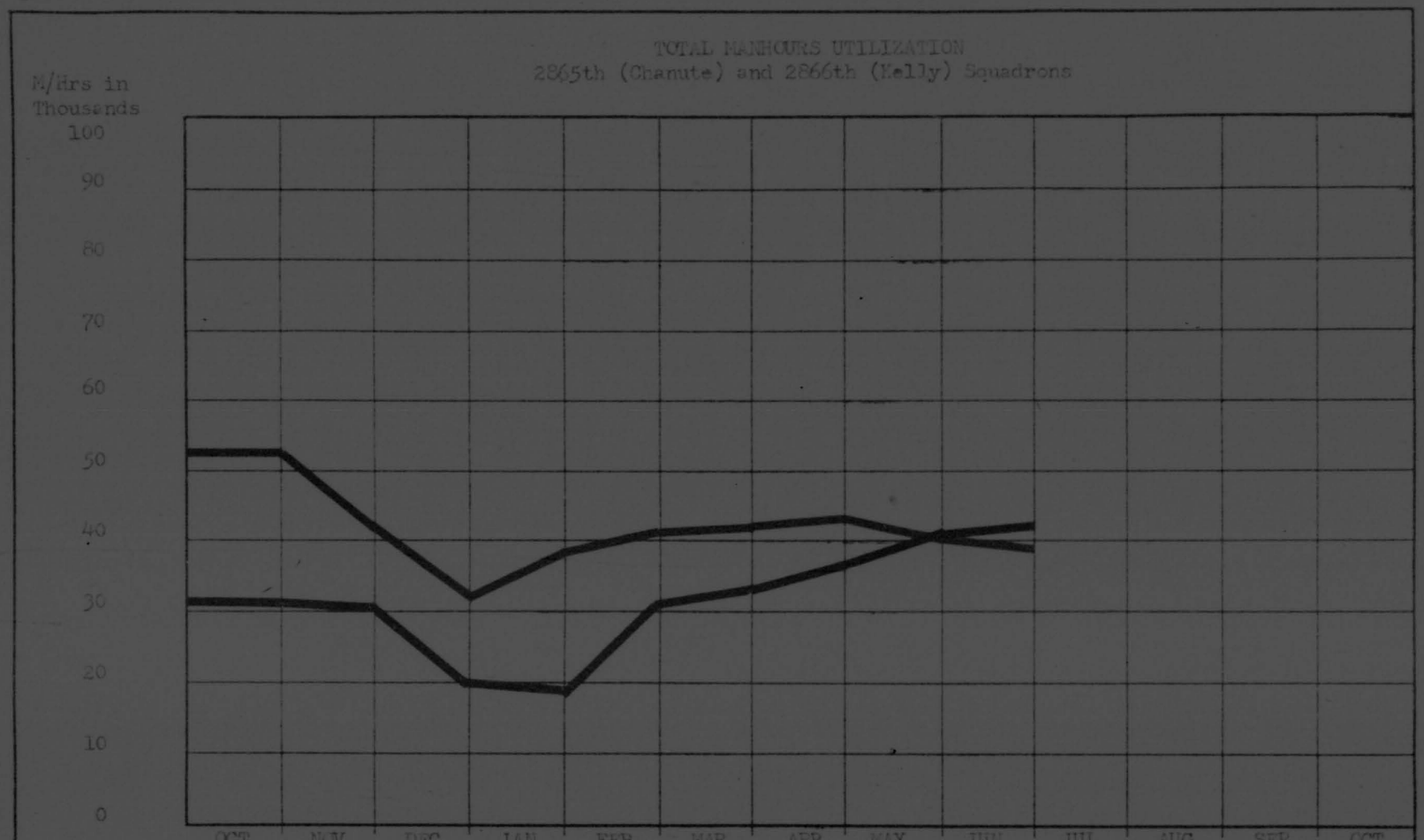
TOTAL MANHOURS UTILIZATION
2865th (Chanute) and 2866th (Kelly) Squadrons



M/Hrs Avail	53,142	42,786	33,385	38,543	42,324	42,518	43,246	40,981	39,759				
M/Hrs Expended	32,091	31,520	20,979	19,968	31,684	33,363	37,302	41,752	42,462				
o/o Utilized	60.4	73.7	62.8	51.8	74.9	78.5	86.3	102.	107				

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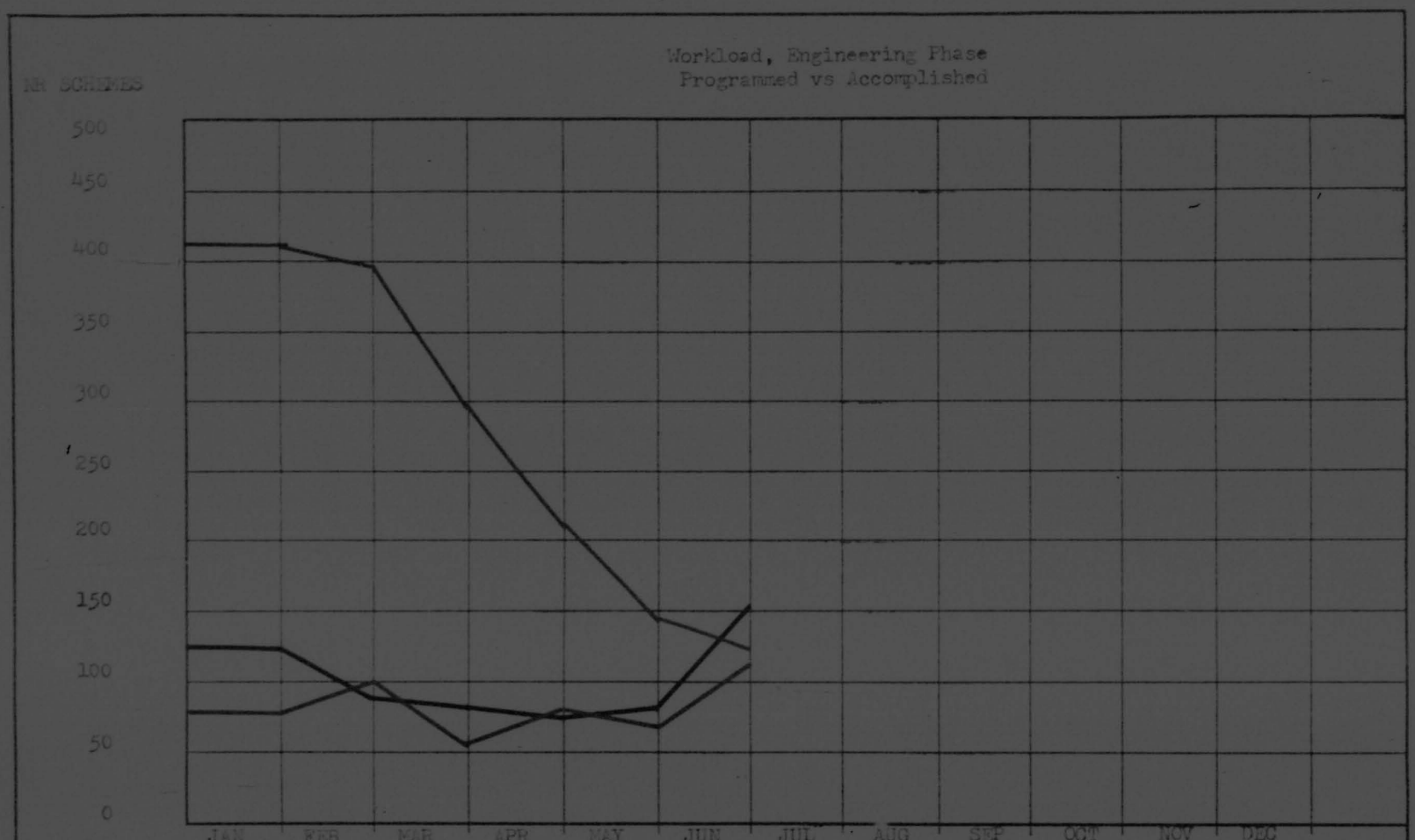

Scheduled	126	90	82	74	83	151
Accomplished	78	100	56	81	70	112
Delinquent	411	397	294	210	149	124

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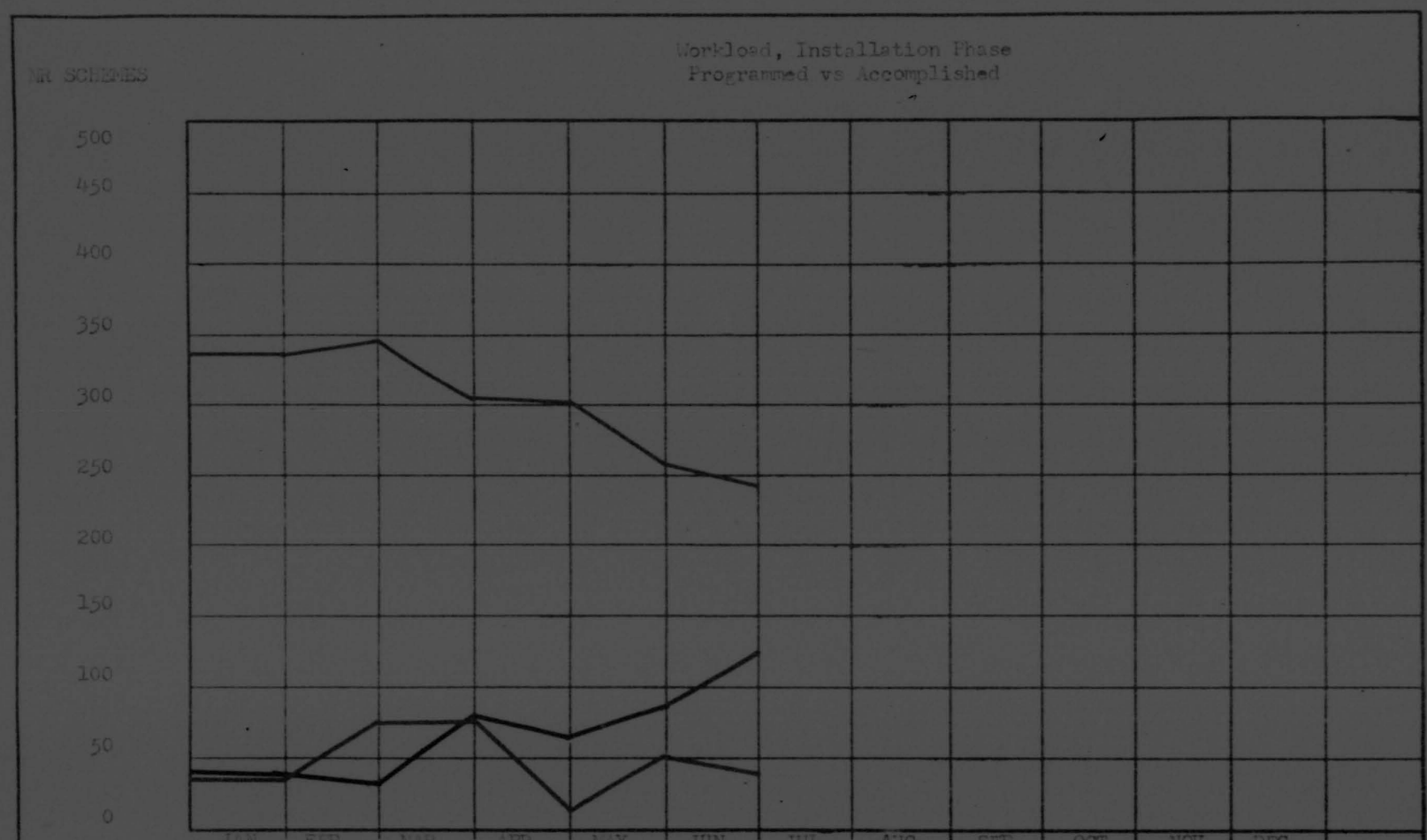

Scheduled	40	34	80	68	88	124							
Accomplished	38	74	75	17	53	40							
Delinquent	335	349	307	303	259	246							

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Semi-Annual Historical Report of the Budget Requirements Division, 1 January 1960 through 30 June 1960.

The Budget Requirements Division of the Plans and Programs Office develops, justifies and defends the budget and financial plans in support of approved and/or proposed communications-electronics engineering and installation programs for which the Central GEEIA Region and the assigned installation squadrons are responsible. The Budget Requirements Division maintains a system for funding and recording the financial transactions required to support the assigned mission of Central GEEIA Region. Studies and summaries on the financial status of this headquarters are prepared and presented to the commander and/or higher headquarters. This division is manned by six civilian employees and two military personnel. Since the previous reporting period there has been a loss of one person and a gain of three persons bringing the total assigned strength of this division to eight.

During the month of January 1960 the third and fourth quarter Operational Plan for the Fiscal Year 1960 was prepared by this division and handcarried to Headquarters GEEIA by Capt. Dlugopolski and Lt. Col. Timme.

On 9 February 1960 the Basic Fiscal Year 1961 Financial Plan was submitted. The month of February also witnessed a physical change of location for this entire division. This time the move was from Building 736 to Building 557 in the former Base Hospital area.

On 7 March 1960 the Chief, Budget Requirements Division, Mrs. Malora Jacobs, visited Headquarters GEEIA at Griffiss AFB, N. Y. to coordinate with Budget and Accounting on problems, policies, and procedures.

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This visit extended through 11 March 1960.

The Chief, Budget Requirements Division visited Chanute AFB on 9 May 1960 through 11 May 1960 to assist in resolving a number of funding problems between OCAMA and the 2865th GEMIA Squadron at Chanute AFB. One Budget Analyst visited Chanute AFB on 1 June 1960 through 3 June 1960 to assist in establishing accounting practises and procedures between the 2865th GEMIA Squadron, the Comptroller, Chanute AFB, and OCAMA.

During June, Capt. James T. Pace was assigned as Chief, Budget Requirements Division, bringing the total strength of the division up to eight. Mrs. Nalora Jacobs has remained in the division as the Deputy Chief, Budget Requirements Division.

The following is a summary of other events of note during the period 1 Jan 1960 through 30 June:

A decline of commitments and obligations occurred during the early portion of the 3rd Qtr of the Fiscal Year 1960 since funds were not available to support our known program. This was primarily due to GEEIA being required to fully justify to Hqs AMC, USAF and the Department of Defense, the Revised Financial Plan for the remainder of the Fiscal Year.

The Fiscal Year 1962 Budget Estimate was prepared in accordance with instructions and submitted on 1 April 1960 with a total funding requirement of $7,903,027.

The estimated dollar requirements for the contracts negotiated for the installation of ballistic missiles at Lowry AFB and Forbes AFB were decreased approximately two million dollars due to a change in the engineering requirements. This decreased obligations during the month

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of June 1960 showed a lower obligation rate than was anticipated.

The following problems were encountered throughout Fiscal Year 1960 and therefore are applicable to the 3rd and 4th Qtrs of the Fiscal Year as well:

Special reports with short deadlines requiring long hours of overtime.

Budget authorizations issued without deviation authority between Object Classes.

Continuous changes of Advice of Allotments, with obligation ceiling and directives requiring full obligations on a month to month basis rather than on a quarterly basis. This is particularly a problem when IFB type contracts are advertised at the middle or end of the month which requires a commitment of funds, and delivered to the accepted contractor in the following month.

The most singular accomplishment of the fiscal year as concerned the Budget Requirements Division was ending the fiscal year with a 100% obligation rate. (See chart of Accumulative Advice of Allotments and Obligations.)

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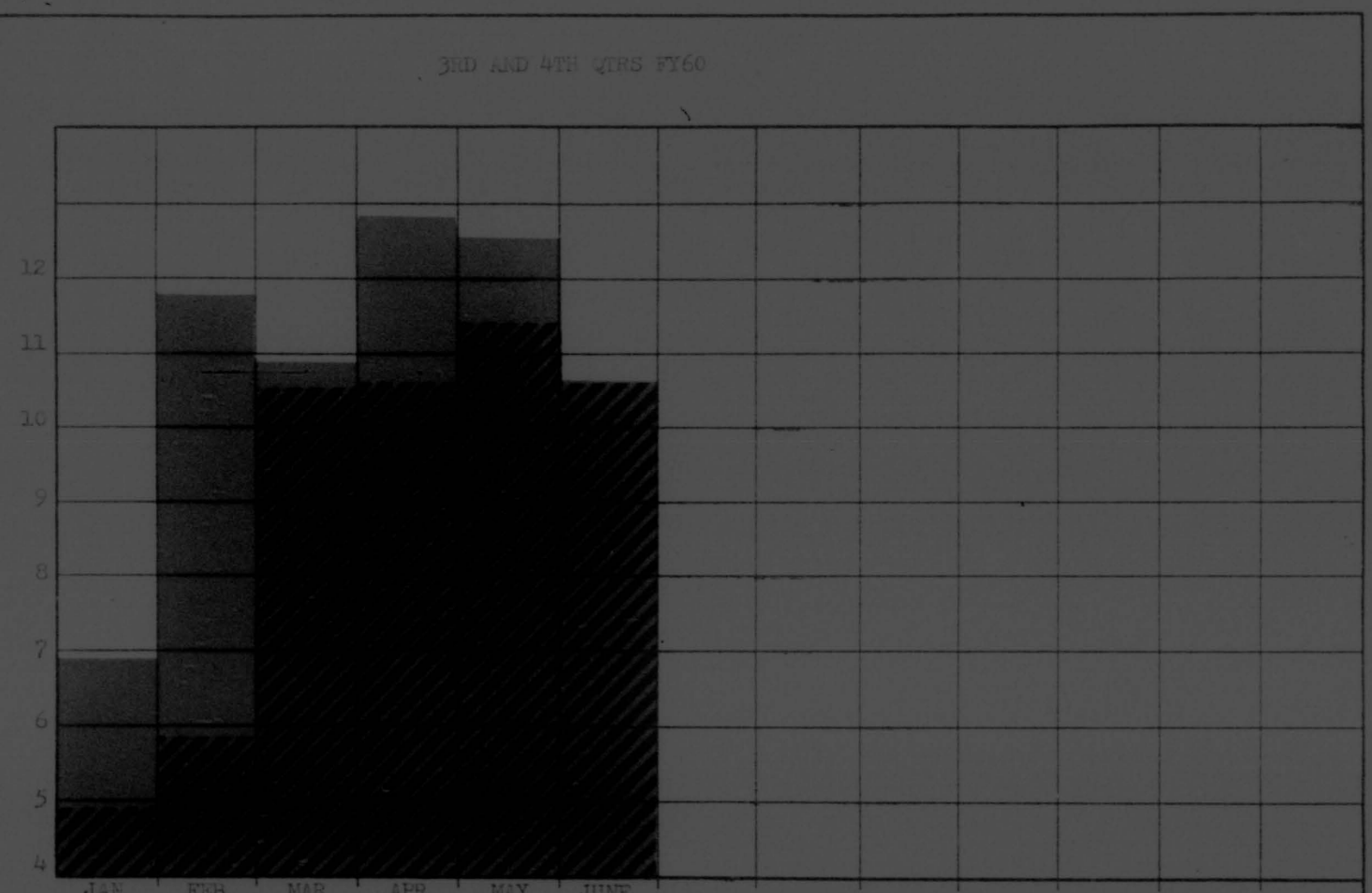
3RD AND 4TH QTRS FY60



Accumulative Advice of Allot	6,979,900	11,794,370	10,927,000	12,811,165	12,681,165	10,533,032
Accumulative Obligations	4,827,838	5,897,298	10,452,598	10,621,271	11,425,234	10,533,017

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Programming Division
Central GEEIA Region

From 1 Jan 60 through 30 Jun 60

Hq GEEIA
Griffiss AFB, New York

PERSONNEL STRENGTH (Last Day of Reporting Period)

	Officers	Airmen	Civilian	Total
Authorized	1	5	15	21
Assigned	0	*4	11	15
Attached	None			

STATEMENT OF MISSION INCLUDING CHANGES

The Programming Division is responsible for programming involving scheduling, monitoring and providing necessary supervision required to accomplish the Region's Engineering-Installation mission. Take action necessary to expedite construction, communications cables, commercial power, supply and allied requirements associated with programmed facilities. Establish requirements for engineering actions; including surveys, preparation of site concurrence letters, allied requirements, schemes and job specifications. Schedule and monitor installation of each facility until all delaying factors are eliminated. Maintain the current status on each programmed facility. Prepare and disseminate the complete status of each programmed facility, in the C-E Implementation Schedule (ROAMA-H1 Report). Update all programming documents necessary to keep higher headquarters and related commands advised of the status of their C-E facilities for which this region has responsibility.

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ORGANIZATIONAL CHANGES INCLUDING REASONS FOR CHANGE

1. Reference the attached listing of military and civilian strength, authorized and assigned for this reporting period. A total of six (6) airmen have been transferred from this division in the last six (6) months. The mail/file clerk position was abolished and duties were assumed by the Division Clerk Typist.

2. Reorganization within the Division was primarily necessitated by loss of personnel. One branch was divided into separate branches and personnel transferred to other affected branches within the division.

3. Captain William Wilson was assigned primary duty as Chief, Programming Division upon Captain James R. Anderson's departure for overseas duty, May 1960. Subsequently, Captain Wilson received orders for overseas assignment the latter part of May and Captain James T. Pace was then assigned as Division Chief. At the end of this reporting period, Captain Pace received orders for transfer to another Division of Central GEEIA Region.

4. The complete Division was physically relocated from Building #752 to the new headquarters building in May 1960.

5. The authorized number of personnel of this division has never been realized. The rapid turnover in addition to the lack of manpower required to fulfill the mission of this division and increasing workload have been a great handicap in the efficient functioning of the Programming Division.

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ADMINISTRATIVE PROGRESS AND PROBLEMS

The major accomplishment in administrative progress has been the screening and refiling of the entire AF Form 524 file by the Division personnel. This project has simplified the method and reduced time involved in checking past records and continuing coordination of these forms.

MISSION PROGRESS AND PROBLEMS

1. The Communications-Electronics Implementation Schedule (ROAMA-H1 Report) as a valid reporting device and record has become a realization. The December 1959 report, prepared by Headquarters, Rome Air Materiel Area (ROAMA), was received in January 1960, and contained information only as current as the previous report of October 1959. Every item appearing in the entire H1 listing had to be changed. Incompatibility of statistical procedure, the Ground Electronics Engineering-Installation Agency (GEEIA) policy and limited machine capability were major issues in establishing an accountable report.

2. The first reports resulted from efforts of the division on a trial and error basis. Largely through these efforts problem areas were resolved and policy established.

3. Representatives of GEEIA Headquarters and subordinate Regions, and supporting Statistical Services attended the conference held 17-18 March 1960 at Griffiss Air Force Base, Rome, New York. As a result, specific policies and procedures were provided, outlining more precise instructions in the maintenance of the H1 Report.

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MISSION PROGRESS AND PROBLEMS (Continued)

4. Methods have since been established for the submission of detailed information to be reflected in the H1 report and the importance of such has been stressed as a major requirement in the maintenance of the Communications-Electronics (C-E) program for Central GEEIA Region. The current C-E Implementation Schedule (ROAMA-H1 Report) is evidence of the progress in developing the schedule into a more accurate and current record of the programmed workload, which was once termed as a "Top Priority Managerial Problem".

5. The workbook listing of USAF Programmed Communications Support Program (PCSP) Document, as of 2 February 1960, prepared and disseminated by Rome Air Materiel Area (ROAMA) was received April 1960. The printed format of the same document (PCSP-62-1-I), dated February 1960 was also received the same month. The PCSP programmed requirements were collated to scheme cards (GEEIA Form 37) for accuracy and verification of scheduled workload. Change Register Listings as of 13 May 1960 have been screened and posted to the basic documents by division personnel and necessary action initiated.

6. The correlation of the Programmed Communications Support Program (PCSP) and the Base Wire and Telephone Development Schedule (BWTDS) requirements with the ROAMA-H1 Report is being accomplished primarily through the conjunctive efforts of GEEIA Regions and major air commands.

7. The technical manual outlining the Implementation of Fixed Communications-Electronics Program (T.O. 31-1-8), dated 16 May 1960 designates

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MISSION PROGRESS AND PROBLEMS (Continued)

responsible agencies and definite procedures for the relocation and/or removal of Ground C-E facilities, which has been an inconsistent operation.

8. Air Weather Service Meteorological Conference convened at Griffiss Air Force Base, Rome, New York, 2-6 May 1960, with complete GEEIA representation and representatives from ROAMA, ROAMA - C-E Accounting Division (CESAC) and Air Weather Service (AWS). The conference resulted in authorizing local purchase or contract procurement of items not available within CESAC, thereby alleviating a critical supply delinquency. Realistic operational dates were established for the installation of Meteorological equipment based upon estimated construction completion dates of the Weather Observation Sites, and appropriate corrective PCSF action is presently being accomplished.

9. The overall function of programming has not been altered, but issues of an inconsequential nature have undergone extensive revision and modification in order to accomplish the initial purpose of the Programming Division.

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PERSONNEL STRENGTH

1 January 1960 and 30 June 1960

ATTACHMENT #1

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MILITARY

PERSONNEL STRENGTH

1 January 1960

TITLE	GRADE	AFSC	ASSIGNED
Communications Officer	Capt	3034	Capt Anderson
Flight Facility Maintenance Technician	MSgt	30471	SMSgt Daubenspeck
Ground Comm Equip Maintenance Technician	MSgt	30472	MSgt Sipes
Ground Comm Equip Maintenance Technician	TSgt	30472	MSgt Lumbatis
Air Traffic Control Radar Technician	MSgt	30371	TSgt Rummage
AC&W Radar Maintenance Technician	MSgt	30372	TSgt Read
Central Office Equip Technician	MSgt	36270	SSgt Hayden
Central Office Equip Technician	MSgt	36270	SSgt Lenderman
O/SW&A Systems IN&MA Supervisor	TSgt	36170	TSgt Mitchell
SURPLUS			
		30472	TSgt Hodges
		30472	SSgt Ruffra

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CIVILIAN

PERSONNEL STRENGTH

1 January 1960

TITLE	GRADE	AFSC	ASSIGNED
S Electronics Engineer G	GS-13	3016	GS-12 Steward
S Electronics Engineer G	GS-12	3016	GS-11 Haynes
Communications Officer	GS-11	3034	GS-11 Bryan
Communications Officer	GS-11	3034	
Statistical Clerk	GS-5	68150	GS-7 Shelton
Statistical Clerk	GS-5	68150	GS-5 Chiconas
Statistical Clerk	GS-5	68150	GS-5 Crosby
Statistical Clerk	GS-5	68150	GS-5 Schantz
Statistical Clerk	GS-4	68150	GS-4 Shaw
Clerk Stenographer	GS-4	70450	GS-4 Sharp
Clerk Typist	GS-3	70230	GS-3 Crowe
Clerk Typist	GS-3	70230	GS-3 Robinett

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MILITARY

PERSONNEL STRENGTH

30 June 1960

TITLE	GRADE	AFSC	ASSIGNED
Communications Officer	Capt	3034	
Ground Radar S	CMSgt	30390	
Ground Radio Maint S	SMSgt	30490	*SMSgt Daubenspeck
Ground Radio Maint S	CMSgt	30490	
O/S W&A In & Ma S	TSgt	36170	TSgt Mitchell
Central Office Eqp Tech	MSgt	36270	*SSgt Hayden
Central Office Eqp Tech	MSgt	36270	*SSgt Lenierman
Inside Plant Maint S	SMSgt	36390	

*Airman on leave pending transfer

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CIVILIAN

PERSONNEL STRENGTH

30 June 1960

TITLE	GRADE	AFSC	ASSIGNED
S Electronics Engineer G	GS-13	3016	GS-12 Steward
S Electronics Engineer G	GS-12	3016	GS-11 Haynes
Communications Officer	GS-11	3034	GS-11 Bryan
Communications Officer	GS-11	3034	
Communications Officer	GS-11	3034	
Communications Officer	GS-9	3034	GS-9 McGuire
Communications Officer	GS-9	3034	GS-9 Miller
Communications Officer	GS-9	3034	
Statistical Clerk	GS-5	68150	GS-7 Shelton
Statistical Clerk	GS-5	68150	GS-5 Chiconas
Statistical Clerk	GS-5	68150	GS-5 Crosby
Statistical Clerk	GS-5	68150	GS-5 Schantz
Statistical Clerk	GS-4	68150	GS-4 Shaw
Clerk Typist	GS-3	70230	GS-3 Robinett
Clerk Stenographer	GS-4	70450	

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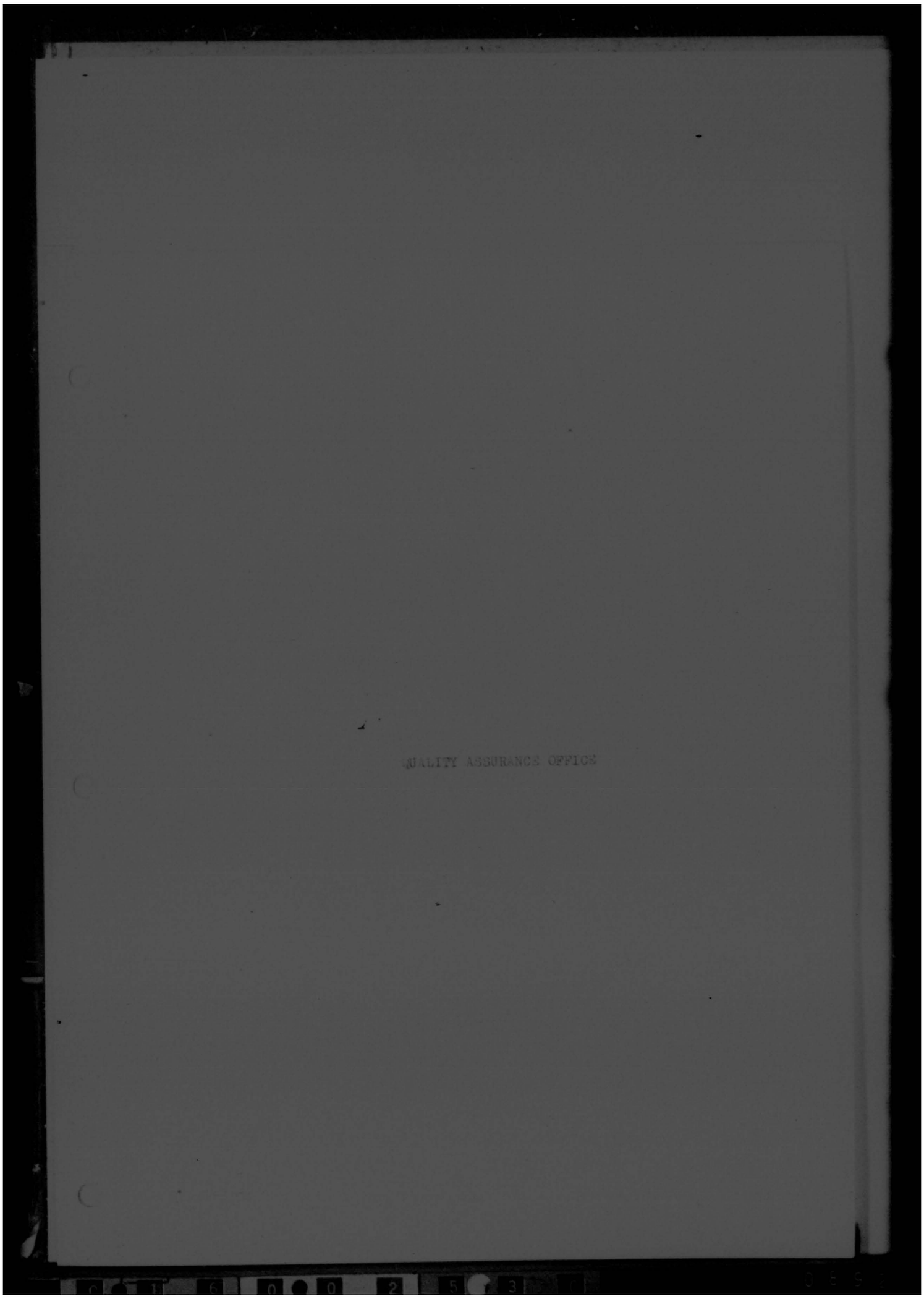

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OCTQA/Lt Vaught/bgs/2771 29 June 1960

QUALITY ASSURANCE OFFICE

SEMIANNUAL HISTORICAL REPORT RCS: AF-D5

1. Name of Unit: Quality Assurance Office.

2. Location: Tinker Air Force Base, Oklahoma.

3. From: 1 January 1960 through 30 June 1960.

4. Name and Location of Next Higher Headquarters:

Central OCIA Region, Tinker Air Force Base, Oklahoma.

5. Personnel Strength:

	Officers	Airmen	Civilian	Total
Authorized	6	0	4	10
Assigned	3	0	3	6

6. Statement of Mission:

This Office is responsible to the Central OCIA Region Commander for standardization and adherence to USAF and OCIA standards of all C-E facilities or systems within the Central OCIA Region area. Insures that achieves are engineered and installed in accordance with applicable specifications. Directs special investigations of sub-standard operations to determine corrective action. Recommends changes in engineering standards to correct deficiencies discovered during Quality Assurance Inspections. Accomplishes continuous review of standards, drawings, and specifications, and proposes appropriate changes thereto. Coordinates with the Director of Engineering and Installation to insure deficiencies in installation job specifications and engineering standards are corrected. Directs and performs such installation inspections of all C-E facilities and systems as

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are deemed necessary to insure conformance to established engineering/installation standards in the area within the jurisdiction of the Central CEEIA Region. Conducts special inspections and investigations as directed by the Commander.

7. Organizational Changes:

a. Changes in the personnel complement of the Quality Assurance Office during this period were as follows:

(1) Personnel Losses:

(a) Captain Roger A. Dujoli reassigned to Directorate of Materiel in January 1960.

(b) Captain James T. Pace reassigned to Plans and Programs Office in April 1960.

(c) Mr. George W. Fairchel (Civilian), GS-12, terminated his employment with Central CEEIA Region in June 1960.

(2) New Personnel:

(a) CWO W-2 Charles J. Trent assigned to Communication and Wire Systems Division in May 1960.

(b) Lieutenant Roger A. Dujoli promoted to Captain in January 1960.

(c) Major Thurman I. Davis, Captain Lyman C. Faien (civilian on military leave from this Office), and Lieutenant John W. Hintzinger, 11th CEEIA Squadron (Reserve), were assigned to this Office during the period 12 through 26 June 1960 for two weeks' tour of duty.

b. The total personnel complement of this Office as of 30 June 1960 is as follows:

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(1) Captain Lindi W. Nixon, Chief, Quality Assurance Office.

(2) Mr. Lyman S. Salen (GS-13), Deputy Chief.

(3) Captain Frank C. Kaminski, Chief, Communications and Wire Systems Division.

(4) CMS W-2 Charles J. Trent, Communications and Wire Systems Division.

(5) Mr. Eugene H. Vaughn (GS-12), Chief, Navigational Systems Division.

(6) Miss Beatrice M. Eads (GS-4), Secretary.

8. Administrative Progress:

a. Three Position Descriptions (Civilian) were rewritten to make them applicable to position requirements of this Office and to conform to the new format prescribed by USAF.

9. Mission Progress:

a. Inspection, survey, and/or conference trips were made by personnel of this Office to the following Air Force installations:

(1) McChord AFB, Washington; Barksdale AFB, Louisiana; Pease AFB, New Hampshire; Minot AFB, North Dakota; Grand Forks AFB, North Dakota; K. I. Sawyer AFB, Michigan; Clinton-Sherman AFB, Oklahoma; Altus AFB, Oklahoma; Amarillo AFB, Texas; Lockbourne AFB, Ohio; Scott AFB, Illinois; Ellington AFB, Texas; Schilling AFB, Kansas; Whiteman AFB, Missouri; Vance AFB, Oklahoma; Richards-Gebaur AFB, Missouri; James Connally AFB, Texas; Carswell AFB, Texas; Sheppard AFB, Texas; Forbes AFB, Kansas; Cannon AFB, New Mexico; Walker AFB, New Mexico; and Bergstrom AFB, Texas --- Quality Assurance Inspection of TACAN Facilities.

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(3) Texas AFS, Oklahoma --- Quality Assurance Inspection of ILS Facility.

(3) Ozona AFS, Texas: Comstock Cap Miller Site; Weeks Island AFS, Louisiana: Grand Marias AFS, Michigan; Painsdale AFS, Michigan: Santa Rosa AFS, New Mexico; Gilmer AFS, Texas; Dickinson AFS, North Dakota; Amarillo AFS, Texas; Sweetwater AFS, Texas; Big Spring AFS, Texas; Walker AFS, Texas; Van Vleck AFS, Texas; Tunnell AFS, Texas; Moriarty AFS, New Mexico; West Texas AFS, New Mexico; LasCruces AFS, New Mexico; Killeen AFS, Texas; Normangee AFS, Texas; Schulenburg AFS, Texas; Rockport AFS, Texas; Palacios AFS, Texas; Lackland AFS, Texas; and Hanson AFS, Texas --- Quality Assurance Inspection of AC&W Facilities, and associated equipment and/or sites.

(4) Moriarty AFS, New Mexico --- On Site observation of Installation of Arctic Tower for AN/FPS-6.

(5) Albuquerque Air Defense Sector, New Mexico --- Coordination of engineering and installation activities of Air Defense Systems.

(6) Kelly AFB, Texas --- Conference with Base Communications personnel on problems existing in previous cable installation jobs.

(7) Offutt AFB, Nebraska; Biggs AFB, Texas --- Quality Assurance Inspection of communication cable installation.

(8) Ent AFB, Colorado --- Quality Assurance Inspection of Communications Center.

(9) Blytheville AFB, Arkansas --- Quality Assurance Inspection of storm detection radar.

b. Three Hundred Twenty-Five (325) Schemes, including Installation Engineering Instructions, Bills of Material, and drawings, were reviewed

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by this Office: -- 56 by the Navigational Systems Division, 62 by the Communications and Wire Systems Division, and 177 by the Air Defense Systems Division. Corrections and recommendations were made as necessary.

c. Technical Reports were written recommending changes in or clarification of Engineering and Installation Standards, where necessary to correct deficiencies discovered during Quality Assurance Inspections and investigations.

10. Supporting Documents:

Organizational Chart -- TAB "A".

PREPARED BY:

Eugene H. Vaughn
Eugene H. Vaughn (Civ)

APPROVED BY:

Lucas M. Hellstern, USAF
Chief, Quality Assurance Office

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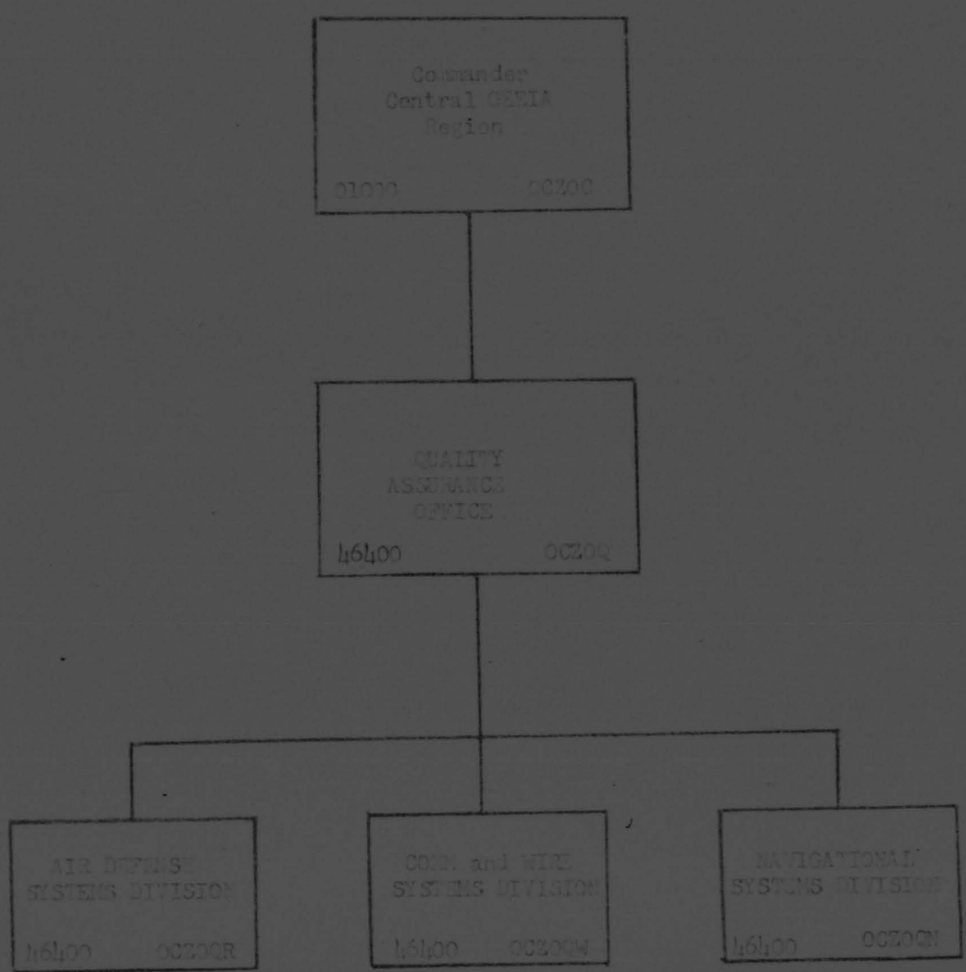
TAB "Q"



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DIRECTORATE/ENGINEERING AND INSTALLATION

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SEMI-ANNUAL HISTORICAL REPORT

DIRECTORATE OF ENGINEERING-INSTALLATION

MISSION

Render engineering and installation services on fixed communications and electronic facilities to all Air Force activities and facilities within the Central OARIA Region's area of responsibility in accordance with T.O. 31-1-8. Develop technical work statements for engineering-installation or procurement of technical facilities or services by contractual means. Provide technical representation to joint conferences and groups. Establish criteria for engineering and installing fixed communications electronics systems and facilities. Correlate the activities of engineering and installations with programming to insure implementation schedule integrity. Through Quality Assurance reports, establishes compatible installation-engineering standards.

ORGANIZATION

From January to May, this Directorate consisted of two (2) Divisions; Engineering Division and Installation Division. During May, a third Division was established, the Engineering-Installation Services Division. Mission and items of significance of each are described in Attachments 1, 2 and 3.

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SEMI-ANNUAL HISTORICAL REPORT

ENGINEERING DIVISION

MISSION

Accomplishes the engineering and engineering adaptation of all fixed ground Communications-Electronics equipment which includes radio, radar, meteorological, cryptographic, and wire (inside and outside plant) as scheduled and programmed for installation within the Central OEMA Region. Assists the major air commands on technical engineering problems as required. Provides technical representation to joint conferences and groups. Accomplishes traffic studies, develops long-range installation schedules and issues commercial service authorizations for leased wire facilities. Budgeting, engineering reviews and negotiation, installation monitoring, installation acceptance and review of final billing for commercial leased wire facilities are all within the purview of this division.

Interference and radiation hazards studies have been transferred from this division to a new component, the E&I Services Division.

ORGANIZATIONAL CHANGES

Two major changes occurred. The Interference and Radiation Hazards Branch transferred to E&I Services Division in order to reduce the workload at the division level for Engineering. The Wire Communications Branch was divided to permit more efficient management. Two wire branches were formed: Commercial Wire Branch; Missile and Government Wire Branch. The need for this change became apparent as we progressed in the Missile Intersite Communications requirements.

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ADMINISTRATIVE PROBLEMS AND PROGRESS

Reports Control RCS: ROAMA-81 has been improved but is not yet sufficiently reliable as a management tool for this region. The management of input to this report continues unresolved as of this period.

All branches but two moved into the old hospital building. One is located at Kelly Air Force Base, the other in a building one-quarter mile distant. The relocation has resulted in better and more efficient coordination between most elements of the headquarters. There will be a centralized technical library. A two-digit intercom system was made partially operational. Better communications has resulted, both electrically and personally. Working conditions have materially improved. More space and long awaited office furniture was obtained.

MISSION PROGRESS AND PROBLEMS

Increases in contractural manpower and reorganization of the Wire Communications Branch has resulted in a 95% increase in production of schemes, installation completions and bills paid. The Commercial Wire Branch has complete responsibility for these functions. Present operation is dependent upon use of call contract engineers.

As of 1 January 1960 engineering of NavAids facilities located within the area of the Eastern and Western Regions was transferred to the respective regions with a few exceptions. Engineering of the Lincoln and Dyess RAPCONs presented many technical problems. Non-availability of anticipated equipment and delays in reaching working agreements between FAA and echelons of USAF generated many problems in

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scheduling the final engineering plans.

Advent of the AWS's new weather observation concept wherein the observation areas are to be relocated from control towers to a Representative Weather Observation Station (RWOS) created a 70-6E scheme delinquency within the Meteorological Section. This 70-scheme delinquency was reduced to 5 each as of 1 July and it is anticipated that currency will be reached by 1 August. This 70-scheme delinquency resulted by this headquarters' receptiveness to a revised utilization plan without reprogramming action.

Engineering responsibilities for Missile Complex intersite cabling has now been extended to cover eleven (11) announced complexes, with installation in progress at Offutt, Lowry and Forbes Missile Complexes. Technical specifications covering intersite cabling requirements at Ellsworth, Lincoln and Schilling were prepared and forwarded to Hq GEEIA for use in obtaining technical proposals from private contractors. Members of the Missile Section have also participated in conferences with the various private bidders and interested commercial telephone companies. Cable surveys for intersite cabling were completed at Ellsworth, Altus, Dyess and Walker Missile Complexes. Members of this branch have participated in two technical evaluation boards convened at Hq GEEIA.

Delays in receipt of engineering standards from the headquarters caused duplication of scheme engineering in the Time Division Data Link and GATR programs.

Engineering was completed on 643 schemes. These applied as follows:

SAC - 224 ADC - 325 Others - 194

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INSTALLATION DIVISION

DIRECTORATE ENGINEERING & INSTALLATION

CENTRAL GEEIA REGION

Period Covered
1 Jan Through 30 June 1960

I. Statement of Mission

The Installation Division is responsible for:

1. Scheduling, installing and technically integrating all C-E installations within the geographical area of the Central GEEIA Region.

2. Evaluating installation engineering policies and procedures.

3. Developing and implementing plans and procedures to improve efficiency and technical effectiveness.

4. Initiating action to eliminate installation work-stoppage factors, as required, within the Central GEEIA Region.

5. Phasing and coordinating applicable training requirements.

6. Reviewing tool, test and installation equipment requirements and effectiveness for installation activities, as required, in coordination with the Director of Materiel.

7. Scheduling, reviewing and anticipating all installation workload requirements.

8. Processing detailed installation specifications and other data for installation teams.

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9. Initiating, processing and coordinating all technical specifications and other necessary data to provide for contractual installations which are over and above the capabilities of the organic resources.

II. Organizational Changes and Reasons

A major organizational change occurred on 1 June 1960 when the Workload Management Office was formed as a component of the Installation Division. This office, supported by three subordinate branches, was established to maintain a focal point in the Installation Division for overall workload management and control. At staff level, the primary function of this office is to develop, control, coordinate, and initiate the proper, necessary and timely distribution of the installation workload and technical aspects thereof, and develop, coordinate and administer the contractual action required to supplement the organic capability.

III. Administrative Progress and Problems

A. The Installation Division continues to suffer due to the shortage of technically trained and qualified civil service technicians and engineers. For this reason, it has been necessary to supplement this personnel force with the services of professional (contract furnished) engineers. Some progress is being made in obtaining civil service personnel but it appears that this area will continue to be a problem in the future.

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B. Closer coordination between this Division and the CGM Scheme Support (Supply) Division has become a fact during the reporting period. This is evidenced in an increase in the flow of equipment and parts to the various job sites through a concerted effort on the part of both Divisions in dealing with the supply problem. The delinquent shipments and nonavailability of critical material and equipment have been a major problem in meeting the operational due dates. Continued emphasis in the coordination area of installation supply activities will do much to relieve this outstanding problem.

C. Closer and more effective coordination between this Division and the CEEIA Installation Squadrons has resulted in a continuous rise in the number of C-E schemes installed by the organic capability. It is planned and anticipated that a better, more positive workload position will become evident as the Workload Management Office increases in effectiveness. In addition, an increasing effort is being made to increase and broaden the training program necessary to keep the Installation Squadron personnel informed and abreast of the newer and more complex equipments which are constantly being added to the USAF C-E Program.

IV. Mission Progress and Problems

A. During the reporting period a total of five hundred eighty seven (587) schemes were completed by a combined military squadron contractual effort. Two hundred seven (207) of these schemes were installed by the military teams and the remaining three hundred

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eighty (380) were accomplished by contract action. In addition, a number of schemes were completed by the GEEIA Reserve Units on active duty. The scheme installations are broken down by facilities as follows:

1. Air Navigational Aid Facilities
   a. GCA, ATC, and RAPCON 29
   b. Homing Beacon and ILS 27
   c. TACAN and T/VOR 75
   d. Meteorological 32
2. Government Missle and Wire Facilities
   a. Inside Plant 54
   b. Outside Plant 41
3. Radar Facilities
   a. Gap Filler 29
   b. Search, Identification and Control 16
   c. Height Finder 7
4. Radio Facilities
   a. Air Defense 18
   b. Special 8
5. Commercial Wire Facilities
   a. General 233

B. In nearly all installation areas the supply problem, as related to both initial shipments and replacement of defective parts and equipment, has created a serious problem in meeting established deadlines. Work stoppages and delays continue to be a direct result of nonavailability of material at the job sites

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on the required date. This problem was partially relieved late in the reporting period after representatives from this Division and the Director of Materiel represented the Central CEEIA Region at a scheme supply review at Headquarters CEEIA, Griffiss AFB, New York, during the week of 18-22 Apr 1960. This scheme review, attended by representatives of CEEIA and the C-E Accounting Division (CE3AC), removed many of the supply obstacles which were precluding the start of installation work on a number of C-E schemes.

C. Production problems have also been encountered in the flight check area. Numerous delays in obtaining a commissioning flight check have resulted in either expenditure of additional contract funds or lag time by military personnel teams. Non-availability of flight check aircraft plus the heavy workload of flight units have been very noticeable at a large percentage of the TACAN and other navigational aid installation sites.

D. One new piece of C-E equipment was contractually installed within the CCR geographical area during the reporting period. AN/GRA-5, Time Division Data Link Flight Control, is this new equipment. In future months, several more of these facilities are programmed for installation by contractual means until such time as an organic capability can be developed.

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14 July 1960

DIVISION OFFICE

Engineering & Installation Services Division
Central GEEIA Region
Tinker AFB, Oklahoma

Semi-Annual Historical Report
1 January 1960 - 30 June 1960

1. Personnel Strength:

Civil Service		Military		Total	
Auth	Asgnd	Auth	Asgnd	Auth	Asgnd
2	2	1	1	3	3

2. Statement of Mission: Directs, coordinates, and plans for common engineering and technical services, drafting, reproduction, plant-in-place records, technical library, radio interference and radiation hazard survey services to the engineering and installation activities, administrative and staff offices of Central GEEIA Region. Details of these services are described in the functions of the branches.

3. Organizational Changes: Division established 10 May 1960 in accordance with Organizational Directive, copy of which is attached.

4. Administrative Progress and Problems: The Division Office has been established in Bldg 752, organizational code CGI4 S, telephone extension 2903.

L G Trautman

L. A. TRAUTMAN
Chief, Engineering & Installation
Services Division

1 Atch
Organizational Directive

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HEADQUARTERS
CENTRAL GEEIA REGION (AMC)
UNITED STATES AIR FORCE
TINKER AIR FORCE BASE, OKLAHOMA

REPLY TO
ATTN OF: OCZOM

SUBJECT: Organizational Directive 10 May 1960

TO: Directorates and Offices, Divisions, Branches and Squadrons

1. Reference Organization Function Chart Book, Central GEEIA Region, dated 15 March 1960.

2. Pending revision to reference above, the following changes will be made to the organization and functions of Central GEEIA Region effective as of the date of this Directive.

3. A new Division is hereby established and is entitled the Engineering and Installation Services Division.

4. This new Division will operate directly under the Directorate of Engineering and Installation.

5. This Division will be composed of the following Branches:

a. Drafting and Design Branch (now the drafting element of Engineering Support Branch).

b. Plant-in-Place Records Branch (now the Plant-in-Place element of Engineering Support Branch).

c. Reproduction Branch (now Reproduction Services Division of Administration).

d. Interference and Radiation Hazard Branch of Engineering Division (as now existing).

e. Technical Services Branch (new).

(1) Technical Library (now existing).

(2) Technical Services Section (new). This will be a section manned with engineers to provide advice and consulting services in the fields of mechanical, civil, electrical power, and architectural engineering.

6. All personnel now assigned to the above mentioned existing organizations are hereby transferred with these organizations to the new Engineering and Installation Services Division.

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7. Mr. L. A. Trautman, Badge Nr. 97840, is hereby appointed as Chief of this new Division and all matters necessary for the Chief's attention pertaining to the above organizations will be referred to him as of this date. Temporarily, Mr. Trautman may be reached through the office of the Directorate, Engineering and Installation.

Robt E Davis

ROBERT E. DAVIS
Director of Engineering-
Installation

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13 July 1960

DRAFTING & DESIGNING BRANCH

Engineering & Installation Services Division
Central GEEIA Region
Tinker AFB, Oklahoma

Semi-Annual Historical Report

1. Personnel Strength:

	Military		Civil Service		Civilian Contract		Total	
	Auth	Asgnd	Auth	Asgnd	Auth	Asgnd	Auth	Asgnd
JAN	7	13	4	4	8	8	19	25
FEB	7	13	4	4	8	8	19	25
MAR	7	13	4	4	8	8	19	25
APR	7	13	4	4	8	8	19	25
MAY	6	12	4	4	8	8	18	24
JUN	6	12	4	4	8	8	18	24

2. Statement of Mission: Furnishes drafting and design support to the headquarters; executes finished drawings for CE schemes from notes and sketches; receives, distributes, and maintains files on all engineering and installation drawings for the region.

3. Organizational Changes: January through May 1960 the Drafting Section operated under a consolidated organization in one building. During this period of time, due to the lack of equipment, an average of four draftsmen were on loan to the Reproduction Branch. On 10 May 60, the Engineering & Installation Services Division was established, and as a result Plant-in-Place Records Branch was moved to another building. This provided additional space for the Drafting & Designing Branch for the addition of four drafting tables. This enabled the branch to put four additional draftsmen to work on drafting tables.

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4. Administrative Progress and Problems:

a. For this six months' period, the total number of new drawings was 620, expending a total of 7,775 manhours. The total number of revisions was 322, expending a total of 758 manhours. The total number of manhours available (less break-time, leave, and sick time) was 25,200 hours. The total number of these jobs with a priority was 102, expending 719.50 manhours. For the illustration portion of drafting, there were an additional 118 jobs, expending 778 total number of manhours. Of this total, 36 were priority jobs, 6 pieces were maps, 169 pieces were charts, 9 pieces were slide-type briefings, and 298 pieces arein the class of straight illustrations. In addition, there were 54 manhours of overtime to complete priorities. A total of 3,528 manhours were loaned to Reproduction Branch. The grand total of 1,060 jobs completed is an overall rise of 29% over the previous six months' period.

b. Although the workload has increased by 37% over the previous six months' period, the backlog of this branch has only increased by 7.9%.

c. Status of Drawings and Workload. At the close of this six months' period, the Drafting & Design Branch had 13 jobs on drafting boards being completed and 41 jobs to be carried forward and accounted for in the log book for an estimated 523 manhours for completion.

d. A drastic reduction in military and civil service draftsmen could be highly detrimental to this branch with the loss of the contract draftsmen authorizations if this situation should ever occur.

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5. Mission Progress and Problems:

a. There have been no major changes to this branch in this six months' period.

b. Recommendations were made at a Hq GEMIA Conference to rewrite and adopt new 80-2 drafting standards.

c. A reduction was accomplished in the time required to complete the base layout from 57 manhours to 33-manhour average.

d. An increase of production by 29% per individual draftsman was made in the last six months' period.

e. Statistical Data:

	JAN	FEB	MAR	APR	MAY	JUN
DRAFTING						
Drafting jobs	83	139	161	179	192	188
Manhrs Expended	1074.75	1333	1507.50	1590.25	1495.75	1531.70
Priority jobs	16	4	7	26	36	13
Manhrs Expended	65	64	13.25	172.25	297	108
ILLUSTRATION						
Incoming jobs	12	4	18	20	14	14
Priority Jobs	8	3	1	4	12	8
Tot Manhrs expd	201	110	68	203	105	91

ROBERT J. BOLODAR
SSgt, USAF
Chief, Drafting & Design Branch

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13 July 1960

INTERFERENCE & RADIATION HAZARDS BRANCH

Engineering & Installation Services Division
Central GEEIA Region
Tinker AFB, Oklahoma

Semi-Annual Historical Report

1. Personnel Strength:

Military		Civil Service		Civilian Contract		Total	
Auth	Asgnd	Auth	Asgnd	Auth	Asgnd	Auth	Asgnd
1	1	2	0	6	4	9	5

2. Statement of Mission: The mission of this branch is to conduct RF environmental surveys, studies, and analysis of proposed radar sitings within the Central GEEIA Region; also, to analyze, design, propose molifications, and recommend corrective actions for elimination or suppression of electromagnetic interference to C & E equipments and non-military operated microwaves. This branch also acts as a service facility to such requesting activities as other branches of Central GEEIA, Hq GEEIA, and ACMUONS.

3. Organizational Changes: The Radiation Hazards Branch was transferred from the Engineering Division to the newly formed Engineering & Installation Services Division. The reason for this change is given in a directive of Hq Central GEEIA Region dated 10 May 1960.

4. Mission Progress and Problems:

a. This branch has completed 34 field trips during this reporting period. Of the more diversified accomplishments of this branch are (1) improvement on an existing interference blanker, (2) the letting of a contract to a local contractor to fabricate three of these blankers for installation at Ellsworth AFB, South Dakota, Chennault AFB and England AFB, Louisiana. These interference blankers satisfactorily

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solved mutual interference problems between ACSM radars and NAV Aids radars at the three listed bases.

b. Two members of this branch attended an Interference Seminar conducted by Hq GEEIA at Griffiss Air Force Base, New York. A considerable amount of documentation was returned to Central GEEIA.

c. The environmental surveys for FD radar program is almost entirely accomplished to date.

d. This branch received a request for an Interference Study at Ozona, Texas by El Paso Natural Gas Company. The gas company was concerned about possible interference to their company microwave from nearby air force radars. This problem was resolved to the requestor's satisfaction.

e. The problem of required electromagnetic shielding for the Air Force Operations Building at Arlington Heights required several field trips to that station. Through the efforts of this branch, coordination was effected between Army Corps of Engineers, Department of the Army, and Hq GEEIA for contractural changes, misunderstandings to be resolved, and the final completion of RF shielding installation in the Air Force Operations Building.

f. This branch was requested by Hq GEEIA to furnish an engineer to monitor the Frederic Research Team Nr 2 while this team was conducting RFI predictions for FD radars at Gettysburg Air Force Station, South Dakota. This request was accomplished.

g. Project "Short Order" Interference Problem. The Interference Branch was requested by message from Offutt Air Force Base, Nebraska

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to take necessary action to resolve a television interference problem at Scribner Air Force Station, Nebraska and to perform an ambient noise measurement at a ground-to-air receiver site in Elkhorn, Nebraska. A van containing the necessary test equipment was sent from Tinker Air Force Base, and the necessary measurements were made to determine the source of interference. The interference was traced to one of the transmitters, and recommendations were made to resolve the interference. The ambient noise measurements were taken, and the results for both tests were published for information and guidance.

h. FD Radar Site Surveys. Central CEKIA Region has been given responsibility for siting FD radars within the boundaries of [redacted] region. The Interference Radiation Branch is responsible for determining the suitability of the chosen sites from an interference standpoint. In order to determine suitability, it is first necessary to determine the electromagnetic environment surrounding the radar site. After determining the characteristics of the radar to be sited, all RF transmitters and receivers within a given radius of the site are located and carefully examined to determine whether they will either cause or be caused interference. All microwave relay equipment, television station relays, etc. are examined and calculations are made to determine signal-to-interference ratios. An engineer's evaluation is made on the results and interference probability is predicted. When potential interference is predicted, it becomes necessary to suggest methods and devices which will remove the interference problem.

i. Radiation Hazard Survey at Houma Air Force Station, Louisiana. A message advising an imminent work stoppage and requesting a radiation

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hazard survey was received by this branch. Since the necessary test equipment for this type test was not available, test equipment was borrowed from RADC through Hq GEEIA. The suspected hazard was from an AN/FPS-28 radar. The area in question was a partially completed radar installation on a 25-foot tower. Arcing and strange noises had been heard by contractor personnel while working around the radar sail. Subsequent testing proved that no hazard was present due to the AN/FPS-28 radar. However, another radar set (AN/MPS-11) on the other side of the radar under construction proved to be placing the new tower in a hazard zone. Action was taken to prevent radiating the new tower with energy from the AN/MPS-11 and construction continued.

RICHARD W. SMITH
1/Lt, USAF
Chief, Interference & Radiation
Hazards Branch

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13 July 1960

PLANT-IN-PLACE RECORDS BRANCH

Engineering & Installation Services Division
Central GEEIA Region
Tinker AFB, Oklahoma

Semi-Annual Historical Report

1 January 1960 - 30 June 1960

1. Personnel Strength:

Civil Service		Civilian Contract		Total	
Auth	Asgnd	Auth	Asgnd	Auth	Asgnd
2	2	7	7	9	9

2. Statement of Mission: Prepare and maintain as-built drawings of installed facilities. Gather all necessary field data for Plant-in-Place records. Maintain reproducible master files of Plant-in-Place drawings and base layouts. Perform site surveys to secure data required for Plant-in-Place records. Make distribution to all activities requiring Plant-in-Place records. Maintain current up-to-date data to show the status of Plant-in-Place records which are the responsibility of GEEIA to provide and maintain. Maintain work data to show the status of accomplishment of the Plant-in-Place records work.

3. Organizational Changes: The activities of Plant-in-Place Records Branch were transferred from Installations Division to the Engineering Division 4 April 1960, and on 10 May 1960 were again transferred to the newly activated Engineering and Installation Services Division. Plant-in-Place Records Branch was assigned new quarters in Bldg 752 the last week in May 1960.

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4. Administrative Progress and Problems: The administrative progress has been slow and problems many. Lack of clerical help and facilities has been the primary cause. Due to the time required to monitor work to be assigned and checking the final phases of Plant-in-Place drafting requests, administrative functions have been reduced to bare essentials.

5. Mission Progress and Problems:

a. The Plant-in-Place Records Branch in the first half of 1960, while not achieving its goal, has continued to make steady progress toward that end.

b. Records required by the Engineering Branches for the implementation of various schemes have received first consideration in order that current work would not be delayed. During this phase of work many drawings have been consolidated, which in turn have superseded older drawings and reduced the number of duplications. This has resulted in a reduction of the number of active drawings and has reduced the possibility of distributing erroneous information.

c. The backlog of Plant-in-Place drafting, a few dating back to 1958, is gradually being integrated with our current work. This situation is especially applicable to Outside Plant Telephone Drawings.

d. In the past, many scheme drawings were corrected or new drawings made to show the "as-built" or "as-installed" condition; however, the scheme designator was not indicated on the drawing. This situation has made it extremely difficult to correlate the PIP drawings with the applicable scheme.

e. One of our major problems at the present time is the identification

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of Plant-in-Place drawings for older delinquent schemes, not only our own but schemes transferred to us from other regions. Information provided for the preparation of Plant-in-Place drawings in most cases does not correspond to our existing drawings and must therefore be compiled, revised, and posted to existing Plant-in-Place drawings or new Plant-in-Place drawings executed. In the preparation of these drawings an effort is being made to establish a uniform procedure in order to reduce the deviations between Plant-in-Place drawings and related information appearing in standard publications, service manuals, and technical orders, thereby facilitating cross reference.

f. The backlog of Outside Telephone Plant-in-Place work is due to the complications involved in posting to these records and the lack of personnel with sufficient knowledge and experience to assume the responsibility of changing these records. Plant-in-Place Records Branch has only one draftsman experienced in this type of work; however, a training program now in effect will soon correct this condition.

g. One draftsman was on TDY from 23 March 1960 to 14 April 1960 and another draftsman from 23 March 1960 to the present date, assisting in the revision of the Telephone Outside Plant Records at Kelly Air Force Base, San Antonio, Texas. While this has reduced our manpower capability in this office, the training has been most excellent for the draftsmen.

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6. Statistics:

Drafting Support Requests, 1 January through 30 June 1960

	No of Requests	Completed	To Be Completed
1958	8	2	6
1959	65	16	49
1960	201	147	54

NOTE: Requests from 1958 and 1959 are being screened and integrated with our current work.

Carl Kelsey

CARL KELSEY
Chief, Plant-in-Place Records Branch

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13 July 1960

REPRODUCTION BRANCH

Engineering & Installation Services Division
Central GEEIA Region
Tinker AFB, Oklahoma

Semi-Annual Historical Report

1. Personnel Strength: During this reporting period, five 711X0 airmen have manned the Reproduction Branch. From 1 January through 31 May, four draftsmen were attached to this branch making a total of nine. During June, two draftsmen were attached dropping the total to seven. Only five 711X0 personnel are authorized to man the branch. The present workload warrants five 71150, two 71130, and one 71170 personnel.

2. Statement of Mission: Responsible for providing reproduction of maps, charts, scheme drawings, regulations, site concurrence letters, C & E schemes, installation specifications, HOI's, special orders, and all miscellaneous correspondence as required to support Hq Central GEEIA Region.

3. Organizational Changes: The Reproduction Services Division under the Administrative Office was formed 1 August 1959. This was in accordance with AFR 6-1. The Directorate Engineering and Installations felt that reproduction should be under its authority as 90% of all reproduction accomplished was for the directorate. The Engineering and Installation Services Division was formed 10 May 1960 with Reproduction as a branch under this division. There have been no internal organization changes during this reporting period.

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4. Administrative Progress and Problems: A system of control of work orders by the shop supervisor logging, receiving, and dispatching work was started 1 March. This method eliminates lost jobs and has made it possible to quickly tell the status of a job. The only problem is that no one man is responsible for administratively approving or disapproving work orders. This decision now rests with the shop and is in direct conflict with AFR 6-1, paragraph 6, governing duplicating activities in the Air Force.

5. Mission Progress and Problems: The Reproduction Branch processed 3,581 work orders, expending a total of 6,984 productive manhours during this reporting period. This includes 243 priority jobs, expending 482 manhours. A total of 42 hours overtime was expended due to a breakdown of logistics at base level. This was brought about during May and June by a lack of funds and a seemingly impossibility on the part of base supply to locally procure ozalid paper. The branch could not meet requirement dates on the reproduction of scheme drawings on three separate occasions. At the time of this writing, the branch has been out of ozalid blueline paper for one week. This lack of supplies resulted in job backlogs that were eliminated by overtime as paper was received. There were 15 work orders carried forward at the end of this reporting period. The following chart shows the work flow by monthly breakdown:

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REPRODUCTION ACCOMPLISHED

from 1 January through 30 June 1960

	Mult. Imp	Ozalid Imp	Xerox Imp	Total	Manhours Expended	Work Orders Processed
JAN	470,539	47,083	633	518,255	1,293	487
FEB	420,304	53,651	787	474,742	1,170	495
MAR	622,818	73,467	710	696,995	1,201	654
APR	468,501	82,662	674	551,837	1,125	599
MAY	658,914	108,365	1,086	768,365	1,258	705
JUN	520,275	72,378	896	593,549	937	593

Morgan C. Padgett Jr.

MORGAN C. PADGETT, JR
SSgt, USAF
Asst Chief, Reproduction Branch

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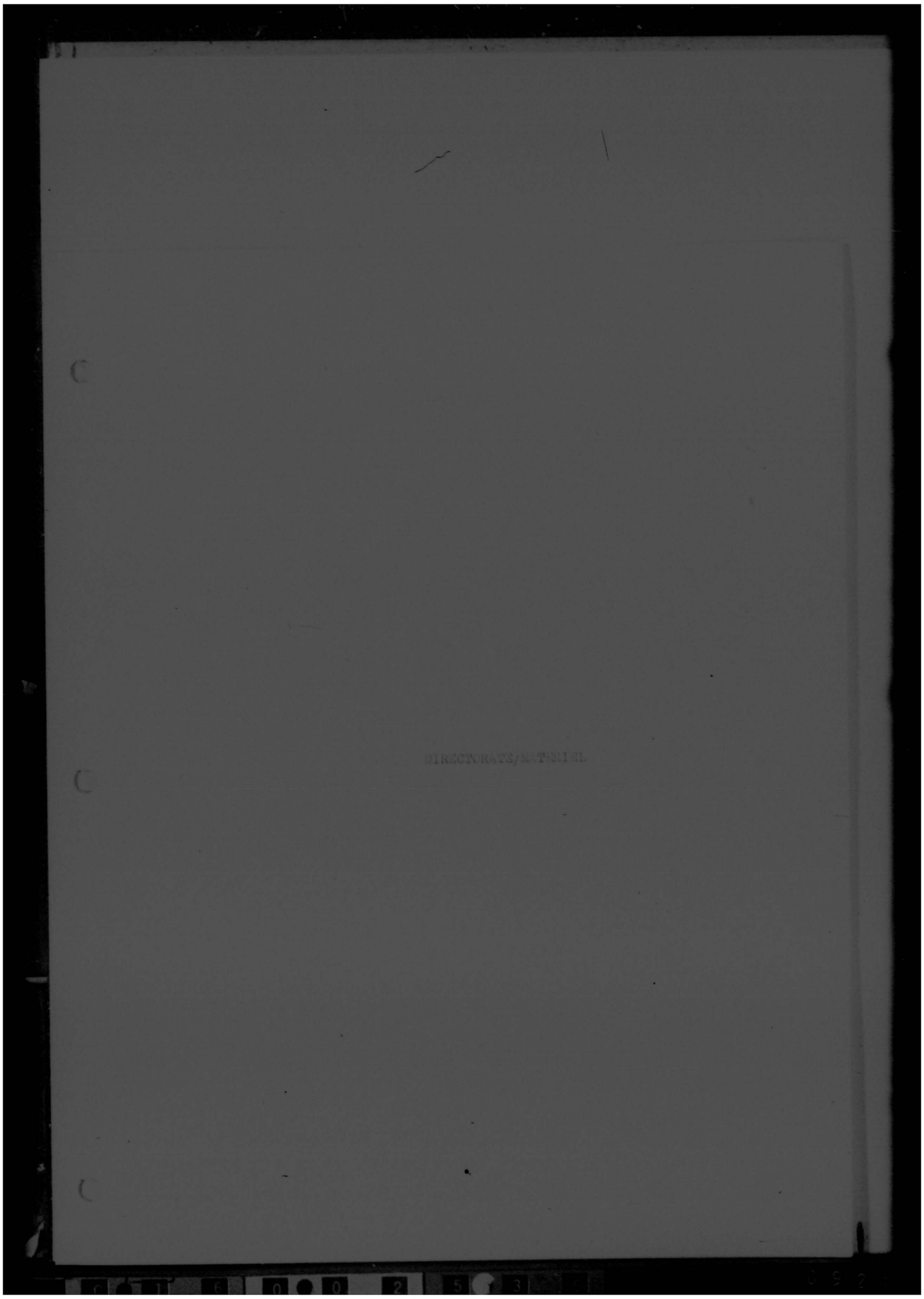

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Directorate of Materiel
Central GEEIA Region

From 1 Jan 60 through 30 Jun 60

Hq GEEIA
Griffiss AFB, New York

PERSONNEL STRENGTH (Last Day of Reporting Period)

	Officers	Airmen	Civilian	Total
Authorized	7	14	15	36
Assigned	6	16	15	37
Attached	None			

STATEMENT OF MISSION INCLUDING CHANGES

See attachment #1, Functional Statement, dated 1 April 1960

ORGANIZATIONAL CHANGES INCLUDING REASONS FOR CHANGE

1. The Navigational Systems Branch and the Ground Electronics Branch in the Scheme Support Division were deleted from the organizational structure of the Directorate of Materiel 1 Apr 60. The Scheme Support Division is currently broken down into the following Branches:

a. Field Services Branch, OCZOSFS: This Branch consists of personnel who are responsible for performing TDY in connection with receiving; storing, crating and shipping C-E equipment; inventories and special projects.

b. Scheme Accounting Branch: This Branch consists of personnel performing duties as C-E Scheme Monitors responsible for maintaining and monitoring scheme folders for each scheme in the Central GEEIA Region's area of responsibility.

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ORGANIZATIONAL CHANGES INCLUDING REASONS FOR CHANGE (CONT'D)

c. Materiel Control Branch: This Branch consists of personnel responsible for research and preparation of the AFTO Form 80's for all schemes engineered by the Central CEEIA Region; provide research service to Engineering and Installation type personnel; initiate local purchase type action for scheme support.

2. These changes were primarily to standardize the operation of the Scheme Support Division. Under the previous organizational structure, two branches were accomplishing monitoring work under two different systems. Field type personnel were assigned in each Branch. Under the new concept, all C-E scheme monitors are in the Scheme Accounting Branch and all field representatives in the Field Services Branch.

ADMINISTRATIVE PROGRESS AND PROBLEMS

1. The following personnel changes were effected during the month of January:

a. Capt A.F. Lawson, Jr., was relieved of duties as Chief, Ground Electronics Branch and re-assigned as Chief, Navigational Systems Branch with additional duty as Chief, Scheme Support Division.

b. Capt Eugene E. Miller was relieved of duties as Chief, Navigational Systems Branch and re-assigned as Special Projects Officer in the Directorate of Materiel.

c. Capt Roger A. Bujold was assigned to the Directorate of Materiel 25 Jan 60, with duties as Chief, Ground Electronics Branch in the Scheme Support Division.

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ADMINISTRATIVE PROGRESS AND PROBLEMS (CONT'D)

d. TSgt William H. Huggins reported for duty on 25 Jan 60, with duty in the UAL Branch, Supply Division.

e. Mr. Edward K. Smith, GS-9, reported for duty 25 Jan 60, in the Ground Electronics Branch, Scheme Support Division.

2. The following actions were effected during the month of February:

a. A desk audit of all civilian positions in the Directorate was conducted by OCAMA personnel.

b. Interim Performance Ratings were accomplished on all civilian employees of this Directorate with all being satisfactory.

c. Form 15 authority was obtained for Messrs Paul Smith, William Whitt, Charlie L. Marshall, Edward K. Smith, Clifford P. Little and Ronald F. Hunt.

3. The following personnel changes were effected during the month of March:

a. Capt Eugene E. Miller departed this Station on 14 Mar 60, for duty assignment at Lowry AFB, Colo.

b. CWO J.W. Hall reported for duty with this Station 20 Mar 60, and was assigned primary duty as Ground Radio Maintenance Superintendent in the Navigational Systems Branch, Scheme Support Division.

4. Due to the re-organization of the Scheme Support Division, 1 Apr 60, the following personnel changes were effected:

a. Capt A.F. Lawson, Jr., was relieved of duty as Chief, Navigational Systems Branch and assigned primary duty as Chief, Field Services Branch with additional duty as Chief, Scheme Support Division.

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ADMINISTRATIVE PROGRESS AND PROBLEMS (CONT'D)

b. Capt Roger A. Bujold was relieved of duties as Chief, Ground Electronics Branch and assigned primary duty as Chief, Scheme Accounting Branch.

c. CWO J.W. Hall was relieved of duties as Ground Radio Maintenance Superintendent in the Navigational Systems Branch and assigned primary duty as Deputy Chief, Field Services Branch.

d. The following named personnel were relieved of duty as C-E Scheme Monitors in the Navigational Systems Branch and assigned duty as Field Representatives in the Field Services Branch: TSgt Joseph T. O'Connor and SSgt Louis T. Carter.

e. The following named personnel were relieved of duty as C-E Scheme Monitors in the Ground Electronics Branch and assigned duty as C-E Scheme Monitors in the Scheme Accounting Branch: Virginia M. Sledge, Wanda R. Jones, Ronald F. Hunt, Beatrice LaPointe and SSgt Herbert Bergman.

f. The following named personnel were relieved of duty as C-E Scheme Monitors in the Navigational Systems Branch and assigned duty as C-E Scheme Monitors in the Scheme Accounting Branch: Atha L. Harkless, SSgt Norman W. Cole, SSgt James Cowdy and A2C Robert Trombley.

g. The following named personnel were relieved of duty as Field Representatives in the Scheme Support Division and assigned duty as Field Representatives in the Field Services Branch: Charlie L. Marshall, William B. Whitt, Clifford P. Little and Edward K. Smith.

5. The following personnel changes were effected during the month of April:

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ADMINISTRATIVE PROGRESS AND PROBLEMS (CONT'D)

a. Mrs Corda Scott reported for duty in the Scheme Accounting Branch 21 Apr 60, as a GS-4 Stenographer.

b. Capt Richard F. Palmer reported to this Directorate 1 Apr 60, and was assigned primary duty as Chief, Supply Division.

c. CWO Homer T. Bolding was relieved of additional duty as Chief, Supply Division and assigned primary duty as Chief, Materiel Control Branch.

d. MSgt Frederick V. Emery was relieved of duty as NCOIC of Supply Division and assigned primary duty as NCOIC of Materiel Control Branch.

6. The following actions were effected during the month of May - Annual Performance Ratings were individually accomplished on all civilian employees of this Directorate with all being satisfactory.

7. The following personnel actions were effected during the month of June:

a. A2C Robert R. Trombley was transferred from the Scheme Accounting Branch to the Budget Requirements Division for the remainder of his enlistment.

b. SSgt Norman W. Cole received orders and proceeded to Elmendrof AFB, Alaska.

c. SSgt Herman Worrell was transferred from the Supply Division to the Materiel Control Branch in the Scheme Support Division.

d. A3C Gabraun Assad was relieved of duties as correspondence control clerk and assigned duties in the Materiel Control Branch.

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ADMINISTRATIVE PROGRESS AND PROBLEMS (CONT'D)

e. A2C Klaus Meyerhof was relieved of duties in the Materiel Control Branch and assigned duties as correspondence control clerk.

8. During the month of January, the Annual Inspection by AMC was conducted. The only discrepancy noted was non-standardization in the manner in which the scheme folders were maintained. This action was corrected with the publication, dissemination and implementation of the following Division Operating Procedures:

a. DOP #6 "Maintenance of C-E Scheme Folders"

b. DOP #7 "Maintenance of Responsible Property Officer's Folders"

c. DOP #8 "Local Purchase of C-E Scheme Items"

9. Mail distribution procedures as outlined in CGR HOI 10-1 dated 19 Apr 60, were put into effect by the Directorate. The correspondence clerk is responsible directly to the Directorate office. All incoming and outgoing letters and teletypes are logged in or out by clerk and date-time stamped. AMC Form 278A is used on all correspondence requiring an answer. Suspense dates are used according to established procedures. It is felt this procedure will insure prompt reply and prevent the loss of action type correspondence.

10. Division Operating Procedure, DOP #9, subj: C-E Scheme Progress Status, CEEIA Form 37, dated 15 Apr 60, was published and disseminated. The office of primary interest is the Scheme Accounting Branch.

11. Division Operating Procedure, DOP #10, subj: Processing of Work Stoppage Items, dated 23 Jun 60, was published and disseminated to all concerned. Office of primary interest is the Scheme Accounting Branch.

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ADMINISTRATIVE PROGRESS AND PROBLEMS (CONT'D)

12. Annual General Inspection was conducted at this headquarters by Hq GEEIA during the period 9 May thru 12 May 1960. Discrepancies noted by Inspection team and corrections made by this headquarters are as follows:

a. Equipment was found to be in excess of UAL authorizations for Headquarters Central GEEIA Region and Change Requests had not been submitted to obtain authorization. This headquarters forwarded Requests for UAL authorizations to ROZSE 3 Jun 60, for all items indicated as excess with exception of the AN/MRN-7 and AN/MRN-8 Radio Sets. The AN/MRN-8 is on loan to Eastern GEEIA Region. The MRN-7 will be needed in the near future on a special project for SAC. Close surveillance will be exercised over these Radio Sets and upon completion of the loan and the special project, action will be initiated to return these items to Base Supply.

b. During the inspection of the 2865 and 2866 GEEIA Squadrons, a discrepancy was noted regarding their Shop Stock of minor items. Adequate instructions were not forwarded by Central GEEIA Region to the Squadrons regarding Implementation Procedures for Establishing Common Minor Items Stock Piling within Squadrons of GEEIA Regions. This headquarters will prepare a realistic list of a proposed Shop Stock in accordance with letter, ROZISC, subj: Squadron Shop Stock, dated 6 Jun 60.

MISSION PROGRESS AND PROBLEMS

1. The following is an approximate number of TDY trips performed by personnel of this Directorate in accomplishment of assigned mission:

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MISSION PROGRESS AND PROBLEMS (CONT'D)

a. Seven (7) trips to perform C&E Supply Coordination

b. Two (2) trips to Monitor Materials

c. Seven (7) trips to attend Meetings and Conferences

d. Sixteen (16) trips to perform Project Count

e. Six (6) trips to perform Inventory of Equipment

f. Two (2) trips to perform Staff Visits

g. Eight (8) trips for the purpose of Receiving Equipment

h. Two (2) trips to perform Scheme Review

i. One (1) trip to attend school

j. Four (4) trips to Implement Supply Procedures

2. CESAC, Central CEEIA Region Scheme Review 18-22 April 60. During this review, 384 schemes were discussed and assigned problem numbers. These are categorized as follows:

a. 29 Schemes deleted

b. 15 Schemes - no supply action required

c. 3 Schemes cancelled

d. 161 Schemes require supply action

e. 4 Schemes held in abeyance pending cancellation

f. 9 Schemes - automatic shipment

g. 5 Schemes - MRD rephased

h. 2 Schemes transferred to Eastern CEEIA Region

i. As of this date, CESAC has completed supply action on 156 Schemes. The 384 schemes discussed had a material required date up to and including 340.

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MISSION PROGRESS AND PROBLEMS (CONT'D)

3. A Field Service Representative was placed on TDY during the month of March at Minot AFB, NDak., to assist the Installation Team Chief in all supply problems and to act as liaison between the Installation Team and base personnel, Central CEEIA Region and CESAC. Eight schemes were to be installed. These included the Control Tower, UHF/DF, Pilot to Forecaster and the Communications for GCA. Many items originally furnished by CESAC were missing. This equipment had been in storage for about two years and items had been stolen, lost or misplaced. A complete inventory was accomplished and immediate resupply action submitted for replacement. Approximately $350.00 was expended locally by the CGR Representative through Form 15 action for fabrication of antenna supports and minor electronic items; the remainder of the missing items were referred to Central CEEIA Region for supply action. Many minor problems were encountered in the liaison phase such as, heat and telephones for buildings, transportation and housing for the team, inability of the Base AIO to support the team for work orders and common items of hardware. At time of departure, supply action had been taken on all foreseeable shortages. This is the first time a Field Service Representative from the Scheme Support Division had worked in the field with the installation team. This action can be considered as very effective because it relieved the team chief of all the problems of supply and liaison with the Base; therefore, expediting installation of the facilities.

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MISSION PROGRESS AND PROBLEMS (CONT'D)

4. Preparation for Project Count commenced during the month of January. The Directorate was responsible for inventory of all C&E equipment for every base and AC&W Site within the Central GEEIA Region area of responsibility. During the month of February, TDY trips were scheduled and orders prepared. In addition to Central GEEIA Region representatives, installations team chiefs from 2865, 2866 GEEIA Squadrons and Central GEEIA Region installations Division were utilized. Brownline listings consisting of CE Scheme Designators and Bill of Material line items were received from ROAMA and disseminated to personnel who performed inventory. These listings were checked against published BOM's before departure of representatives. A total of 16 trips were made by civilian and military personnel of this Directorate in the accomplishment of this project. Upon their return, brownline listings indicated discrepancies of overages and shortages. Breakdown of manhours expended for project is as follows:

a. 1760 Civilian

b. 1316 Military

c. 388 Contract

d. 44 Overtime

A total of $9,068.78 was utilized as TDY cost. A total of 122 bases, 685 schemes and 19,114 line items were inventoried. Project Count was monitored by Mr. Paul J. Smith, Scheme Support Division, Central GEEIA Region. Quality checks were performed. These checks were to evaluate the effectiveness of the original project count at approximately 4 bases within the CGR area of responsibility.

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MISSION PROGRESS AND PROBLEMS (CONT'D)

5. The Field Services Branch was assigned the project of base supply procedures for storage, handling and safeguarding of C&E scheme materials after arrival on the base and prior to installation. It was decided to propose a command supplement to AFM 67-1, prepared in the form of a handout, for standardization in coordinating with the commands. During the latter part of this reporting period coordination had started with the various commands and the supplement was being enthusiastically received for publication and distribution.

Prepared By

Donna R. Dahlin

DONNA R. DAHLIN
Directorate of Materiel

Approved By

for Charles E. Edwards

JOHN D. BATMAN, Major, USAF
Director of Materiel

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ATTACHMENT NR 1

DIRECTORATE OF MATERIEL FUNCTIONAL STATEMENT

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DIRECTORATE OF MATERIEL

35000 OCZCS

1. This Directorate is responsible to the Central GEEIA Region Commander for providing: a. Supply support; b. Monitorship for scheme accountability prior to and during installation phase; c. Equipment control and management; d. Unit Authorization List (UAL) review; e. Equipment studies and recommendations relative to equipment adequacy and economic utilization; f. Minor item support for schemes; g. Limited stockage of common support type items; h. Processing of residue from schemes; i. Monitorship for Government Furnished Equipment (GFE); j. Research to insure Bill of Material (BOM) completeness; k. Local Purchase support action, which includes, but is not limited to, preparation of Purchase Requests and attachment of applicable support documents i.e., justification, sole source statements, identity of vendors etc., defense of budgetary estimates and/or computations pertinent to immediate requirements; l. Liaison to accomplish corrections of BOM deficiencies; m. Information required to substantiate and/or defend budgetary estimates and computations; and n. Monitorship of the Regional Responsible Property Officer (RPO) program in C-E schemes material accountability prior to and during installation; and o. Maintains technical surveillance over types, kinds and quantities of CE equipments at Bases and Sites.

2. Support referenced in 1a, b, e, f, g, h, i, j, k, l, m, n and o above, is applicable but not limited to the following types of schemes, facilities and/or jobs: TACAN, ILS, GCA, TVOR, Weather-Teletype, Direction Finding, Navigational Aids, Control Towers, RAPCON, Fixed Radio, Wire Communications, Ground Radar, UHF Ground/Air (SAGE), H/F Point-to-Point (Voice and Teletype), VHF Ground/Air (SAGE), UHF Data Link Transmission, UHF Radio Guided Missile Launching Systems, F/M Non-Tactical Radio, H/F Ionspheric-Tropospheric Forward Scatter System, HF/UHF Single Side Band Radio Systems, Time Division and Frequency Data Link Transmission. Approximately 750 schemes currently require supply support.

3. Currently the area of responsibility (Geographically) is within the confines of North and South Dakota, Nebraska, Colorado, Kansas, New Mexico, Oklahoma, Texas, the portion of Louisiana West of the Mississippi River, Arkansas, Missouri, Iowa, Minnesota, Wisconsin, Illinois, the portion of Michigan West of Lake Michigan and Central America excepting lower California and all of South America. Constant increase in activities in Mexico, Central and South America is foreseen as well as within the 16 state limitations of the Continental United States.

4. With reference to 1a, b, c, d, and m, above, insures the economic utilization of public property required to accomplish assigned mission; is Maximum Dollar Control Monitor; Monitors UAL's and through periodic reviews and surveys insures maximum utilization of minimum stated requirements.

SCHEME SUPPORT DIVISION

SUPPLY DIVISION

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SCHEME SUPPORT DIVISION

46400 OCZOSF

1. This Division is responsible to the Director of Materiel for providing support and monitorship of all Communications - Electronics Schemes (reference paragraph 2 Directorate Statement) within the Central GEEIA Regional area of responsibility. (Reference paragraph 3 Directorate Statement.) Providing support for communications - electronics schemes requires accomplishment of, but is not limited to the following: a. Research Consolidated Bill of Materials for correct stock numbers, completeness, accuracy, etc., and preparation of AFTO Form 80. b. In the event deficiencies are noted, accomplish liaison with initiating agencies to correct deficiencies. c. Providing minor item support, including the operation and management of limited minor items stock piles and the initiation of Purchase Requests for procurement of scheme material and attachment of all required substantiating documents, i.e., justification, sole source statements, identity of vendors, etc., defense of budgetary estimates and/or computations pertinent to immediate requirements and long range planning, and d. processing of residue from communications - electronic schemes.

2. Monitors the supply status of all communications electronic schemes. Monitorship includes, but is not limited to: determining the release date of supplies, forwarding requests for release of supplies to Hq GEEIA in accordance with GEEIA Regulation 100-6, insuring that supplies are sent from CESAC-ROAMA to arrive at the end location in time and in sufficient quantities to meet the established installation start date. Performs necessary supply inventories and maintains technical surveillance over types, kinds and quantities of CE equipments at bases and sites to insure that supplies are at the end location in serviceable condition and sufficient quantities. Monitors the overall Responsible Property Officer (RPO) program for CE scheme material.

FIELD SERVICES BRANCH MATERIEL CONTROL BRANCH SCHEME ACCOUNTING BRANCH

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FIELD SERVICES BRANCH

46400 OCZOSFS

This Branch maintains technical and accounting surveillance over types, kinds, and quantities of equipments for all CE schemes (reference paragraph 2 of Directorate Statement) at Bases and/or Sites within Regional area of responsibility (reference paragraph 3, Directorate Statement). Surveillance includes, but is not limited to: a. Technical identification; b. Visual condition inspection; c. Inventories of containers shipped and/or specific items, as required; d. Accomplish liaison with bases, sites, lateral and higher headquarters to obtain adequate storage facilities for CE equipments; e. Obtain required information relative to scheme accountability prior to and during installation; f. Provides Responsible Property Officer (RPO) support in receiving and managing scheme assets; g. Provides liaison and primary point of contact in field matters pertinent to the physical material support; h. Provides for direct negotiations with Government agencies, trade and/or labor unions, contractors, municipal and state officials as required to effect on/off loading; movement from railhead or terminal to site and/or storage area; over the road transport of over-the-limit (weight, height, length and/or width) shipments; etc., in the various states within the confines of the Regional responsibilities; i. Accomplish necessary procurement of work stoppage items at facility site (within the general trade area) to assist the Installation Team under emergency circumstances.

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SCHEME ACCOUNTING BRANCH

46400 OCZOSFA

1. This Branch is responsible to the Chief, Scheme Support Division for monitoring the supply status of all Communications - Electronic Schemes (reference paragraph 2 Directorate Statement) within the Central GEEIA Regional area of responsibility. (Reference paragraph 3 Directorate Statement.) Monitorship includes, but is not limited to: a. determining the release date of supplies; b. forwarding the requests for release of supplies to Hq GEEIA in accordance with GEEIA Regulation 100-6; c. insuring that supplies are sent from CESAC-ROAMA to arrive at the end location in time and in sufficient quantities to meet the established installation start date; d. initiating appropriate local purchase action to support CE Schemes; e. Coordinating with bases, Major Air Commands and higher headquarters to determine supply status and resolve supply difficulties; f. Assigns Responsible Property Officer (RPO) Designees, as necessary, to receive and/or sign for supplies shipped to bases or sites; g. provides accountability for supplies until the time of installation; h. arranges for appropriate storage facilities for C-E equipments and i. insures appropriate CE scheme residue disposal.

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MATERIEL CONTROL BRANCH

46400 OCZOSFC

1. This Branch is responsible to the Chief, Scheme Support Division for efficient research and local purchase support for all Communications - Electronic Schemes (reference paragraph 2, Directorate Statement) within the Central GEEIA Regional area of responsibility. (Reference paragraph 3, Directorate Statement.) This support includes but is not limited to: a. Research for and the preparation of AFTO Form 80, Consolidated Bill of Material (BOM) which includes editing for the following: (1) correct stock numbers; (2) correct nomenclature; (3) unit of issue; (4) insure quantities requested agree with unit of issue; (5) determine status, (major, CP minor or LP minor); (6) maintaining a current applicable library consisting of USAF Stock Catalogs, commercial catalogs, AF Regulations, Manuals, Technical Orders, and other publications that are pertinent to the operation and mission; and maintaining file of selected current stock numbers, nomenclature, price, status and manufacturer's part number etc., for rapid and efficient processing scheme BOM. b. Maintaining a minor item service stock, including: receiving; storage; accounting for and shipping of minor items for schemes within the area of responsibility of this Region; procurement of items to prevent work stoppage and bill of material items that CESAC has given this Region authority to local purchase. This requires accomplishing the purchase requests (PR) and obtaining necessary source and/or requirement certificates that are necessary to local purchase the items and shipment to the proper location. Operates and manages limited minor items stock piles.

2. Coordinates the functions relative to maintenance of service stock and research of Bills of Material with other applicable Divisions and/or Branches of this headquarters and support elements of lateral and higher headquarters of other major commands and services.

3. Schedules workloads and assures efficient, accurate and reliable routine office functions. Insures the accurate and timely submission of all reports, correspondence and the availability of pertinent information relative to Local Purchase (LP) utilized to substantiate and defend budgetary estimates and/or computations in support of immediate requirements and long range planning.

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SUPPLY DIVISION

42100 OCZOSS

This Division is responsible to the Director of Materiel for: a. Unit supply support; b. Maintenance of UAL for reportable Air Force property; c. UAL and supply records management of subordinate units; d. Equipment control, i.e., authorization, distribution, utilization, disposition and modernization; e. Equipment utilization surveys and requirements reviews to determine whether changes to Source Documents should be recommended; f. Determines necessity for aligning authorizations and assets with work load requirements; and g. Monitorship of Maximum Dollar Control Level.

UAL BRANCH UNIT SUPPLY & SERVICES BRANCH

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UAL BRANCH

42100 0C20SSU

1. This Branch has managerial responsibility for the economic utilization of authorized quantities of public property required to accomplish the assigned mission. Acts as Maximum Dollar Control Monitor to insure that authorization requests and/or in-use quantities do not exceed the organization's maximum dollar control level. Monitors UAL's and UAL change requests for the headquarters organization components including Squadrons located at Chanute and Kelly AFB. Assists organizational components including Squadrons located at Chanute and Kelly AFB in obtaining appropriate equipment authorizations as required to accomplish their mission.

2. In the interest of Air Force economy, through periodic surveys, insures that maximum utilization of minimum stated requirements. (Surveys are accomplished throughout the area of responsibility cited in paragraph 3 of Directorate Statement, page #1.) Insures that only minimum requirements are processed for authorization.

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UNIT SUPPLY AND SERVICES BRANCH

42100 OCZOSSS

1. This Branch is responsible for proper maintenance of organizational Unit Authorization List (UAL), Unit Property Records, AF Form 1120; Personal Clothing and Equipment Records, AF Form 538; and Control Register, AF Form 115a; and distribution of all authorized equipment (UAL & Non-UAL) necessary to accomplishing the assigned mission. Maintains appropriate records as prescribed by current applicable directives of this and higher headquarters.

2. Prepares issue slips (DD Form 1150) for all expendable and recoverable supplies in accordance with procedures outlined in paragraph 4, Section 4, Vol 4, AFM 67-1. Responsible for prompt requisitioning of supplies requested by various organizational components of this headquarters.

3. Prepares turn-in slips (DD Form 1150) for all equipment no longer required and/or excess to current authorizations, in accordance with para 3, Sec 5, Vol IV, AFM 67-1.

4. Responsible for initiating and processing Statement of Charges, Report of Survey, and Cash Collection Voucher. Accomplishes periodic inventories and maintains surveillance over the supply discipline program. Insures expedient action in the disposition of equipment no longer required or in excess of current authorization. Has managerial surveillance responsibility over the Squadrons (2) Unit Supply activities (Squadrons located at Chanute and Kelly AFB).

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1 April 1960

The preceding statements are subject to change as new and/or additional mission assignments or structural re-organization occur. Your office will be advised of all changes.

for Charles E. Edmonds
JOHN D. BATMAN, Major, USAF
Director of Materiel

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2865th GEEIA Squadron

Chanute AFB, Illinois

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H I S T O R Y

of the

2865TH GEEIA SQUADRON

1 January 1960 - 30 June 1960

U S A F

A M C

G E E I A

CENTRAL GEEIA REGION

2865th GEEIA Squadron
Chanute AFB, Illinois

Prepared for the Historical Office, Headquarters, GEEIA,
by 1st Lieutenant Sanford L. Parker (Historical Officer)

July 1960

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2865th GEEIA Squadron
Chanute AFB, Illinois

1. NAME OF UNIT: 2865th GEEIA Squadron (AMC)

2. LOCATION: Chanute Air Force Base, Illinois

3. PERIOD: 1 Jan 60 through 30 June 1960

4. NAME AND LOCATION OF NEXT HIGHER HEADQUARTERS:

Central GEEIA Region
Tinker Air Force Base, Oklahoma

5. PERSONNEL STRENGTH:

	Officers	Airmen	Civilian	Total
Authorized	6	141	2	149
Assigned	5	147	2	154
Attached	1	0	1	2

6. STATEMENT OF MISSION:

The mission of the 2865th GEEIA Squadron (AMC) is the timely accomplishment of the installation, modification, relocation and removal of Ground Electronic Facilities and Systems as directed by Central GEEIA Region.

7. ORGANIZATIONAL CHANGES:

There were no major organizational changes. See attachments #1, 2, 3, 4, 5, 6, & 7 for detailed organizational structure.

8. ADMINISTRATIVE PROGRESS AND PROBLEMS:

The overall administrative workload increased during this reporting period. The personnel section was hampered severely due to lack of qualified personnel technicians being assigned; however, the situation has improved as a result of the arrival of one qualified personnel technician. Specific items accomplished other than routine were:

A. New UMD for 2865th GEEIA Squadron (AMC) was received and is now in effect.

B. All AF Forms 617 and 617A were closed out this period.

C. Personnel have been instructed on OJT problem areas and it is expected that, in time, a really effective OJT program will prevail.

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Captain John H. Penn, Squadron Commander, became Major John H. Penn effective 9 May 60.

This organization received a major inspection by Headquarters GEEIA during the period 25 - 28 April 60 and received an overall favorable report.

9. MISSION PROGRESS & PROBLEMS:

During the period 1 Jan 60 thru 30 Jun 60 this squadron accomplished the following schemes and/or rendered the services indicated at the sites listed below:

SITE AND LOCATION	WORK PERFORMED
Antigo AFS, Wisconsin	Installed three (3) UHF Channels for purpose of testing sage air/ground communications.
Arlington Heights, Illinois	Installed AN/MPS-11 Radar Set Installed Plotting and status boards at NORAD Control Center.
Biggs AFB, Texas	Removal and Re-installation of two section of TACAN Antenna.
Blytheville AFB, Arkansas	URN/5 Homer Beacon Installation.
Cape Canaveral, Florida	Installed intercom system. Government Administration telephone system installation (provided splicing team)
Chanute AFB, Illinois	BC-446 LF Homer Beacon Installation.
Dyess AFB, Texas	Installed AM-864/U Amplifiers.
Ellsworth AFB, S. D.	Land Line teletype installation- Half Duplex.
Gettysburg AFS, South Dakota	VHF Radio Equipment Installation

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BASE AND LOCATION	WORK PERFORMED
Grand Forks AFB, N. D.	Installed Pilot-to-forecaster Facility.
	Pre-installation survey of outstanding schemes.
	Installed PP-1453/FSA-4 Power Supply.
Grand Rapids, Minn	Removal of Ground/Air Facility.
Holloman AFB, N. M.	GMQ-11 Rehabilitation of cable for wind measuring facility.
Hutchinson AFS, Kansas	Removal of 1105 facility-Air Defense Air/Ground Communcations.
	Installed Control Tower, Transmitter, and Receiver Site.
Kincheloe AFB, Mich	An/CRD-6 UHF Direction Finder Installation
	Control Tower Facility Installation
Kirksville AFB, Missouri	Removal of 1105 Facility Ground/Air Communications Facility
K.I.Sawyer AFB, Mich	AN/MRN-8, AN/MRN-7 Wilcox 492 Beacon, complete ILS Installation.
	M-28 Installation and modification of 4 teletype sets.
	AN/CRD-6 UHF Direction finder Installation.
Lowry AFB, Colo	Removal AN/URD-2 VHF/Direction Finder
	Removal AN/TRD-4 HF/Direction Finder
McCoy AFB, Florida	AN/GRN-9B Dual TACAN Installation
Mead Transmitter Site, Neb	Removal of HF Antenna System
Minneapolis-St Paul Int. Airport	Installation of weather/teletype facility.
Minot AFB, N. D.	Installed 2 ea. TT-128 Teleprinters
	2 ea. TT-8 Teleprinters
	Installed telephone service for family housing

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SITE AND LOCATION	WORK PERFORMED
Minot AFB, N. D.	Installed complete Control Tower
	Installed AM 864 Amplifier
	CRD-6 UHF/DF Facility installation.
Offutt AFB, Neb	Relocation of Direct Land Lines
	Communications 50 line PAX system.
	TC-2 switch board
Omaha AFS, Neb	Splicing and testing of cables for CGI station.
Oklahoma City AFS, Okla	Removal of Fanmarker
	Removal of HF Antenna System
Patrick AFB, Florida	AN/GRA-34 Monitor Control installation
Pease AFB, New Hampshire	Installed AN/GRN9C Dual TACAN
Richards-Gebaur AFB, Kans	TT-128 Teleprinter installation.
	Installed SB-66 Switchboard.
Sioux City, Iowa	AN/MPN-11 Radar Removal
Schilling AFB, Kan	S-246 Monitor Receiver SCHYTTIG installation.
	AM-1806/GMQ Amplifier Installation.
Sheppard AFB, Tex	Installed 2 ea. TT-128 Teleprinters.
Tinker AFB, Okla	Drove interference van.
	Removal AN/FPN-13 Radar Beacon.
Truax AFB, Wisc	6428 Facility, Removal of radio voice HF low power system.
Volk Field, Wisc	Installed AN/CRD-6 UHF/Direction Finder
Waverly AFS, Iowa	Government Administration telephone system installation
Webb AFB, Tex	Relocation of Receiver Site and AN/CRD-6 UHF/DF Site.

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To accomplish these schemes, squadron personnel were required to travel a total of 288,864 miles primarily by privately owned vehicles (21,685 miles by Military Vehicles included) and no major accidents were incurred. A total of $131,794 was spent from TDY funds. Monthly manhour utilization data is given below.

MANPOWER UTILIZATION

MONTH	ASSIGNED	EXPENDED
JANUARY	18,936	3,734
FEBRUARY	17,080	16,680
MARCH	18,655	11,075
APRIL	18,480	17,422
MAY	17,621	19,190
JUNE	16,780	18,096

The total manhours expended were 86,197 manhours with an average utilization of 80% of available man-hours assigned during the six (6) month period. Generally, commanders were very pleased with work accomplished by members of this squadron.

Some of the most frequent problems encountered by the Installation Division of this squadron were:

A. Obtaining vehicular and communications support at installation sites as outlined in T.O. 31-1-8, Section VI, paragraph 6-34. In most cases where support was not received, the base did not have sufficient vehicles on hand to provide adequate vehicular support. This resulted in team members having to utilize their POV to transport small supply items and team members to and from the job site, mess hall, quarters and etc. to prevent delay of scheme installation. This has had a tendency to lower the moral of some team members; since, so far, they have not been able to claim reimbursement from finance. UAL changes requests have been submitted by this squadron for commercial type

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carrier vehicles to make available for teams for TDY travel to and at TDY sites to relieve this situation. More communications support has been received as a result of sending an arrival TWX in advance of the team's arrival requesting full support from the site in accordance with T.O. 31-1-8.

B. Premature release of schemes for installation. In some cases a high priority was placed on schemes and released to this squadron for installation where there were supporting structures incomplete or BOM items missing that would preclude the completion of the scheme. This resulted in wasted man-hours and excessive expenditure of TDY funds by this squadron while waiting for the supporting structure or supply action to be completed. This problem has been eliminated by this squadron refusing to start any scheme which it knows has circumstances existing that would preclude the completion of the scheme, and an effective work load scheduling program developed by Central GEEIA Region.

C. Lack of adequate skilled technicians. During the early phase of this reporting period this squadron lost many of its skilled technicians via PCS moves. At the same time, a heavy influx of cross-trainees and Directed Duty assignees was encountered. This threw a heavy burden on the few skilled tec hnicians that remained in the squadron. Besides having to fill key positions in the squadron, they had to serve as team chiefs and OJT supervisors in the field. This situation has been relieved tremendously during the last two months with the arrival of several skilled technicians and a senior master sergeant. More skilled personnel are scheduled in within the next few months.

There were a number of additional duties performed by the Installation Personnel of this squadron. Foremost of these duties was advising the 217th and 218th Air National Guard GEEIA Squadrons. At times it was difficult to establish a stable advisory team due to the

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continuous TDY of this unit's personnel. But, through diligent effort, sound advice and effective services were rendered the guard units. Thr ground safety program in the squadron was revamped under the guidance of the installations division. Safety material and devices were obtained and distributed and were posted in strategic positions so as to try and keep the accident rate to a minimum. As a result of the effectiveness of this program, the Central GEEIA Region received the Green Cross Award for exemplary safety practices.

10. SUPPLY PROGRESS AND PROBLEMS:

At the beginning of the reporting period, all Supply Personnel authorized on the UMD were assigned. One airman was reassigned PCS overseas in May and no replacement has been received.

Aside from performing the normal supply function of the squadron, the majority of the work performed during this reporting period was administrative. This included thirty four (34) UAL changes submitted for approval. Almost all of these changes were approved which increased the authorized dollar value of the UAL from $57, 498.16 to approximately $200,000.00. These changes required considerable research, typing, and administrative coordination.

The initial shipment of common minor items for the squadron shop stock was received from CESAC. Form 84Bs "Service Stock Balance Records" were established on each line item during January. These records show consumption data on fast moving items, but many items do not have any true consumption data recorded due to the type of schemes being installed during this period. Therefore, realistic stock levels will be difficult to determine for quite some time. Also, the quantity of each line item received on the initial shipment was insufficient to meet the requirements

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of this organization and lag time on re-ordering was much too long. Recommended changes to the operational concept were submitted to more closely align the shop stock system with the squadron's installation requirements.

The rapid increase in squadron personnel presented problems in securing billeting, barracks furniture, and a few tool kits for new AFSCs. One bay from Barracks Number P825 was secured for billeting, and bedding and barracks furniture was transferred from the 1963rd AACS Squadron to relieve the shortage. Since several new personnel came directly from technical schools, without tool kits, a few tools are still needed to complete these new tool kits.

UAL changes were submitted to authorize several special purpose type vehicles (pole setters, augers, trenchers) to completely equip this organization in the transportation field. These changes were approved; however, it will probably be some time before they are received since only commercial type vehicles are being requisitioned instead of the old combat-type vehicles. At present, the squadron has three (3) 1½ ton stake and platform and three (3) ½ ton pick-up trucks on hand.

During June a special Obligation Authority for $3,000 was received from Headquarters, GEEIA to be used to purchase non-UAL tools required to fully equip Outside Plant and Cable Splicing teams. All of these funds were obligated before the end of the fiscal year, but no tools have been received to date. More funds are required in FY 61 for many items of UAL equipment authorized, but not on hand.

As a result of the Headquarters GEEIA Annual General Inspection of the squadron conducted during 25 - 29 April, the Supply Section received an excellent report with only two (2) minor discrepancies noted. The squadron was, in fact, commended for the conduct of its overall supply operation in the report.

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11. SUMMARY

This squadron is striving to effectively accomplish its assigned mission and contribute materially to the overall Air Force Mission. All officers, NCOs and airmen assigned are actively contributing and it is believed that future accomplishments will surpass those of the past.

12. LIST OF SUPPORTING DOCUMENTS

A. Organizational Charts (Attachment 1 thru 7)

B. Roster of Key Personnel (Attachment 8)

John H. Penn

JOHN H. PENN
Major, USAF
Commander

8 Atchs
1. 2865th GEEIA Sq Org Chart
2. Pers & Admin Org Chart
3. Supply Org Chart
4. Instal Div Org Chart
5. Wire Br Org Chart
6. C/E Br Org Chart
7. Scheme Admin Org Chart
8. Rstr of Key Personnel

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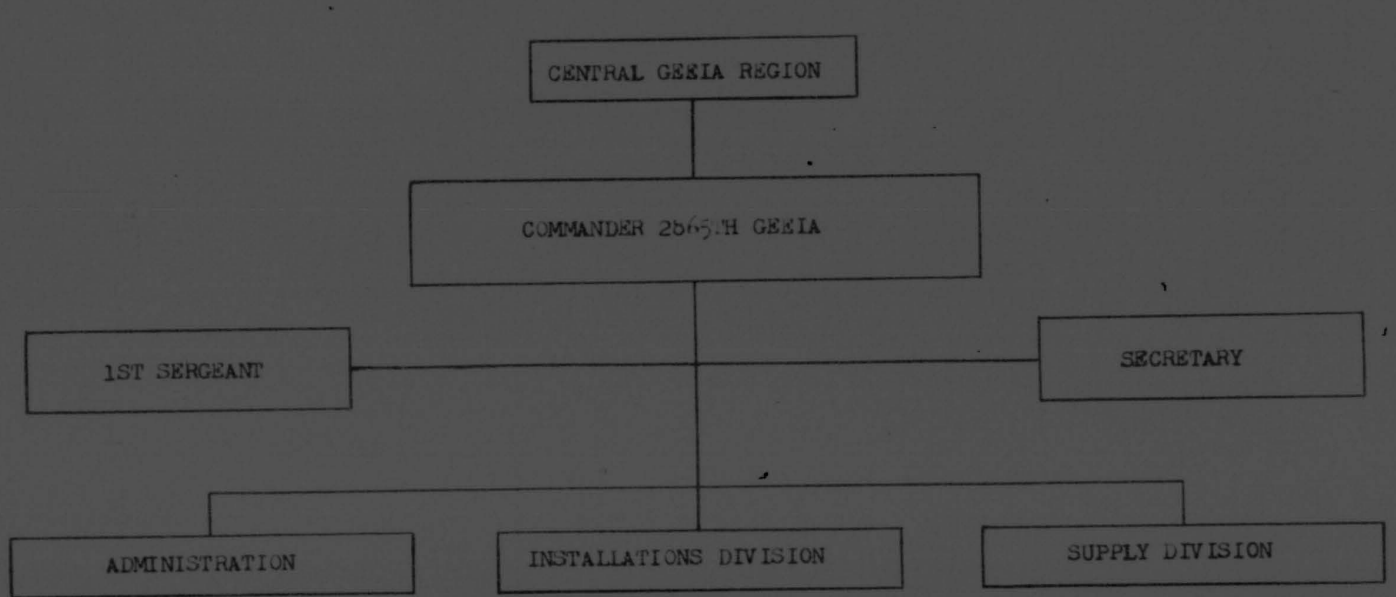
2865TH GEEIA SQUADRON
ORGANIZATIONAL CHART
CHANUTE AIR FORCE BASE, ILLINOIS



ATTACHMENT # 1

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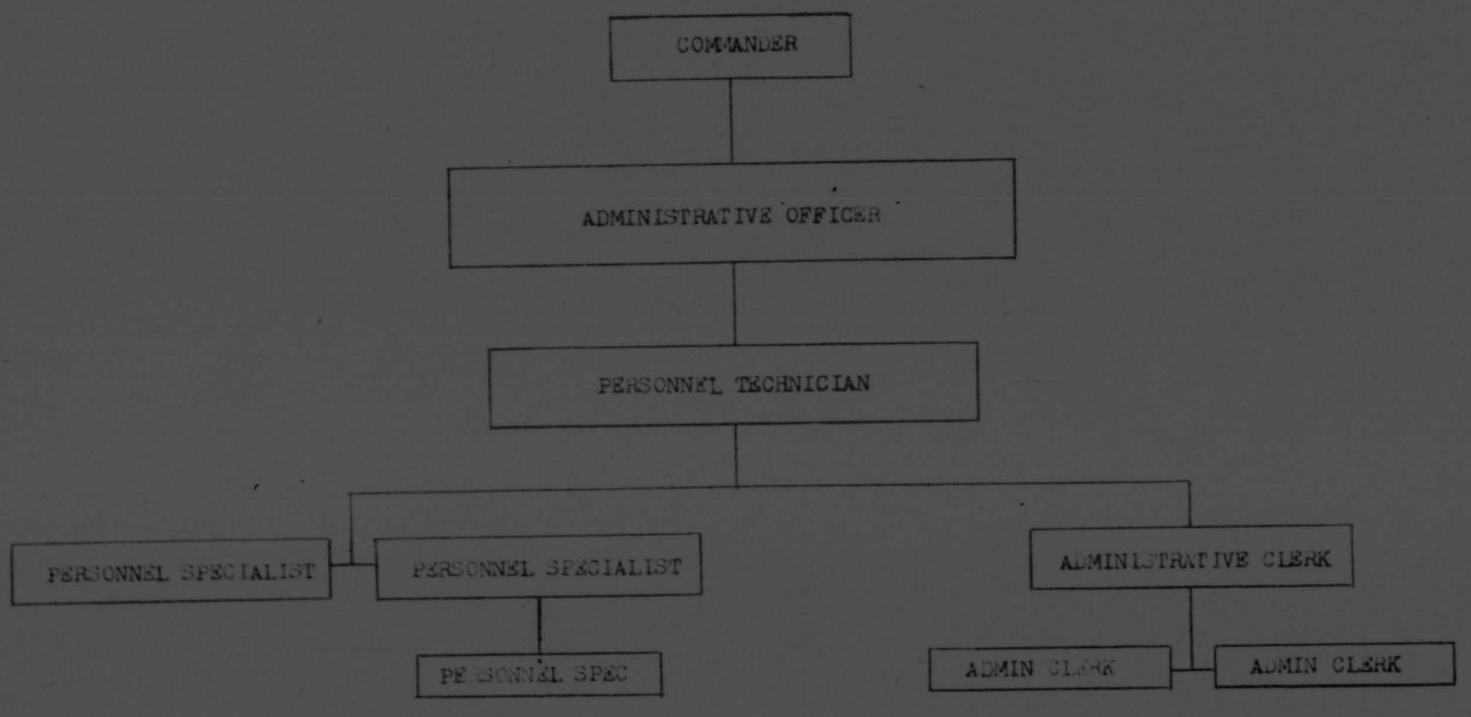
PERSONNEL & ADMINISTRATION
2855TH GEEIA SQUADRON
CHANUTE AIR FORCE BASE, ILLINOIS



ATTACHMENT # 2

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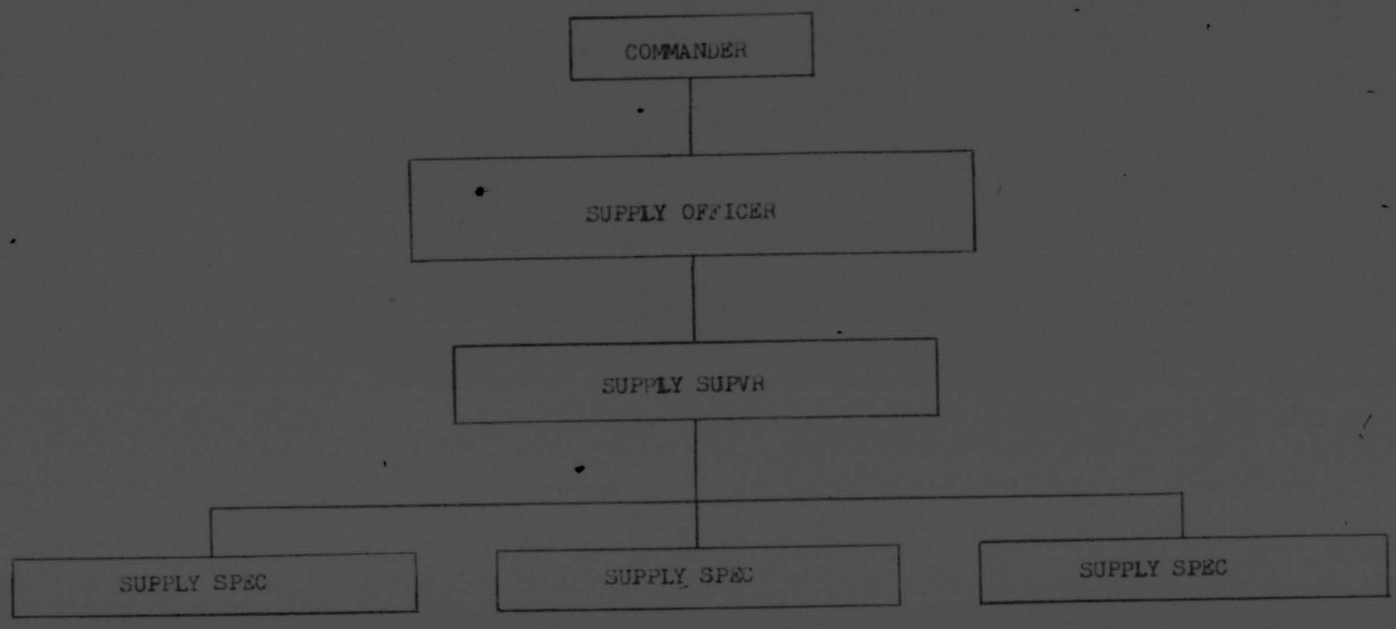
SUPPLY
2865TH GEEIA SQUADRON
CHANUTE AIR FORCE BASE, ILLINOIS



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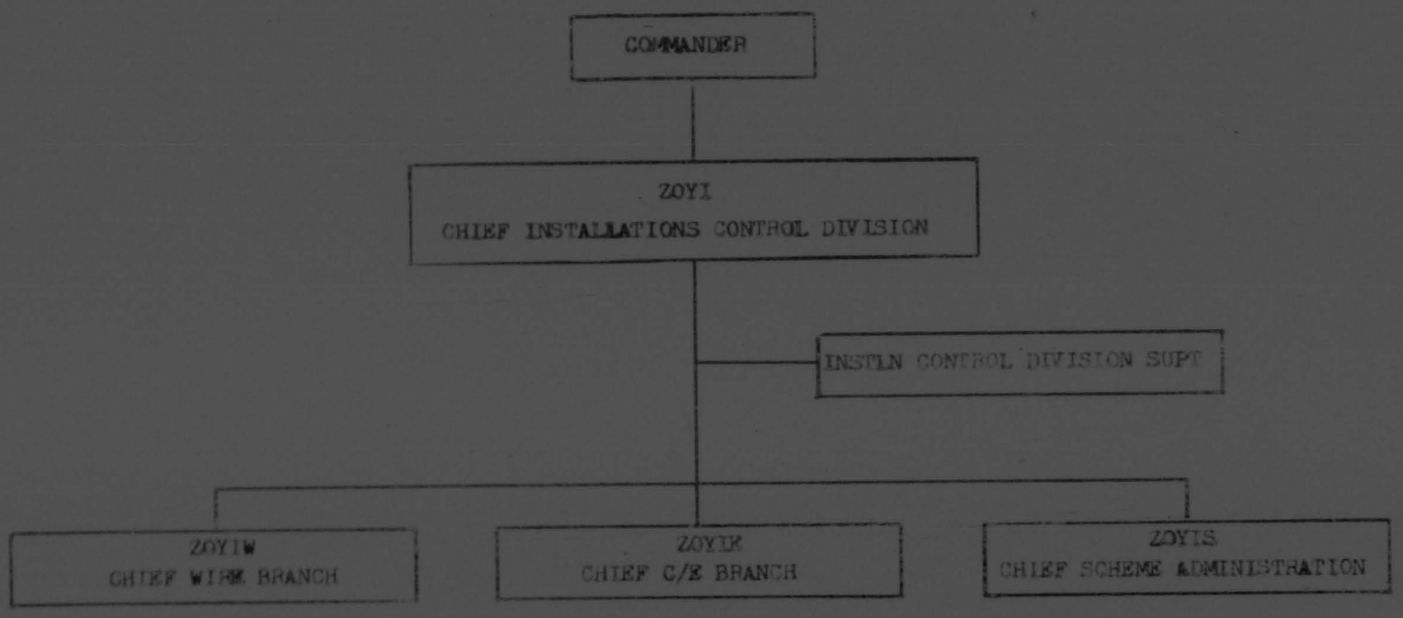
INSTALLATIONS DIVISION
2865TH GEEIA SQUADRON
CHANUTE AIR FORCE BASE, ILLINOIS



ATTACHMENT # 4

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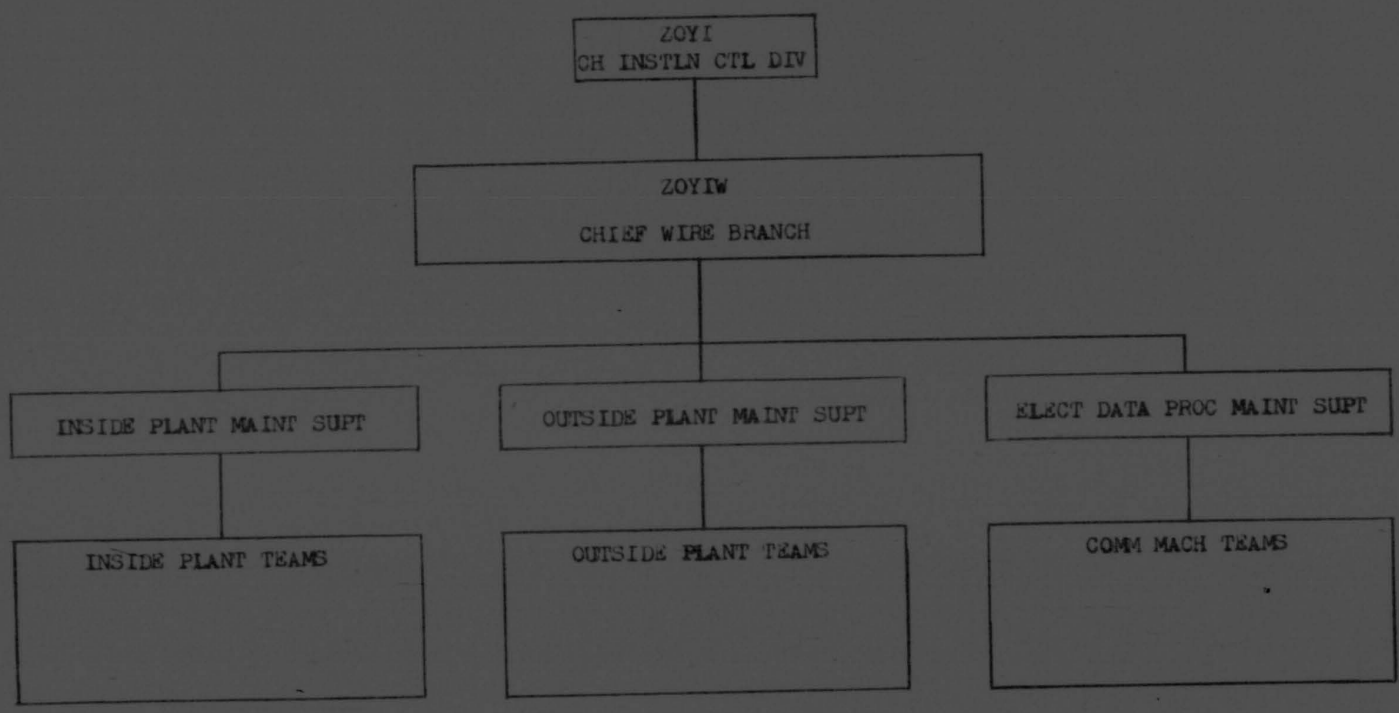
WIRE BRANCH
2865TH GEEIA SQUADRON
CHANUTE AIR FORCE BASE, ILLINOIS



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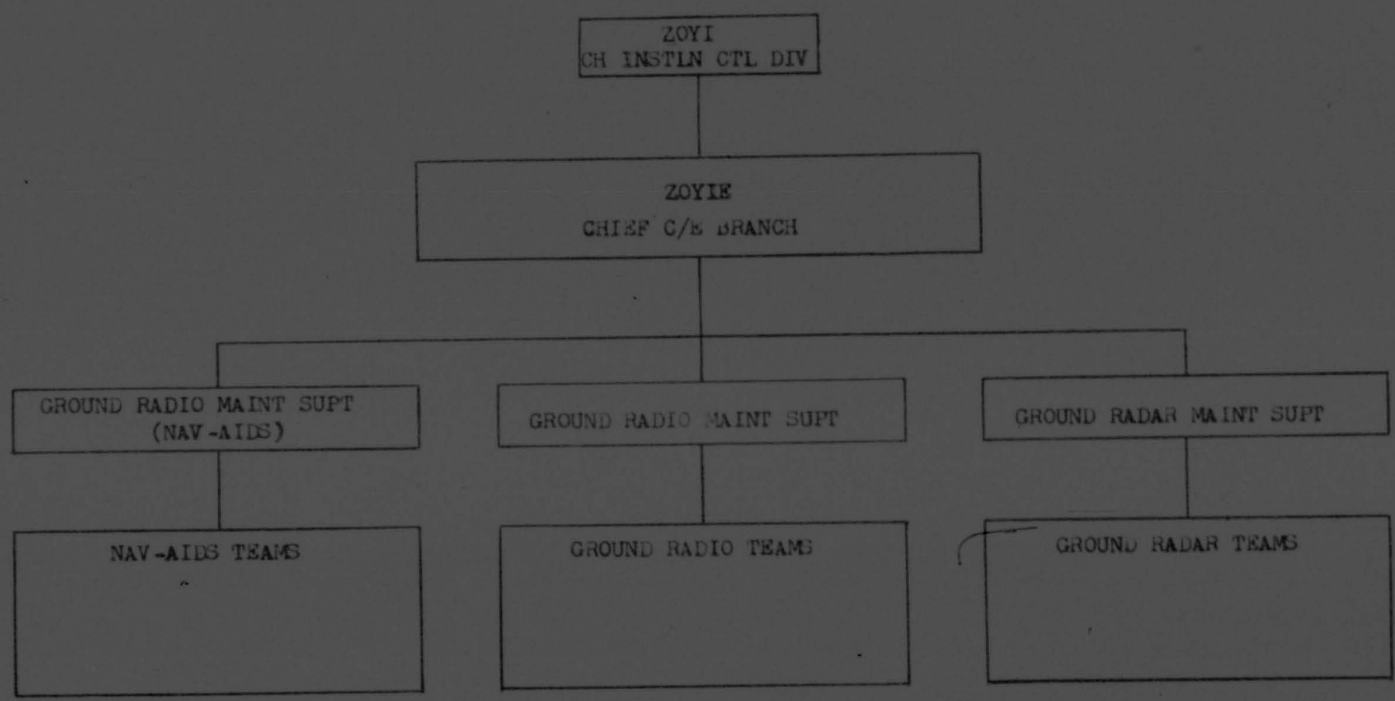
C/E BRANCH
2865TH GEEIA SQUADRON
CHANUTE AIR FORCE BASE, ILLINOIS



ATTACHMENT # 6

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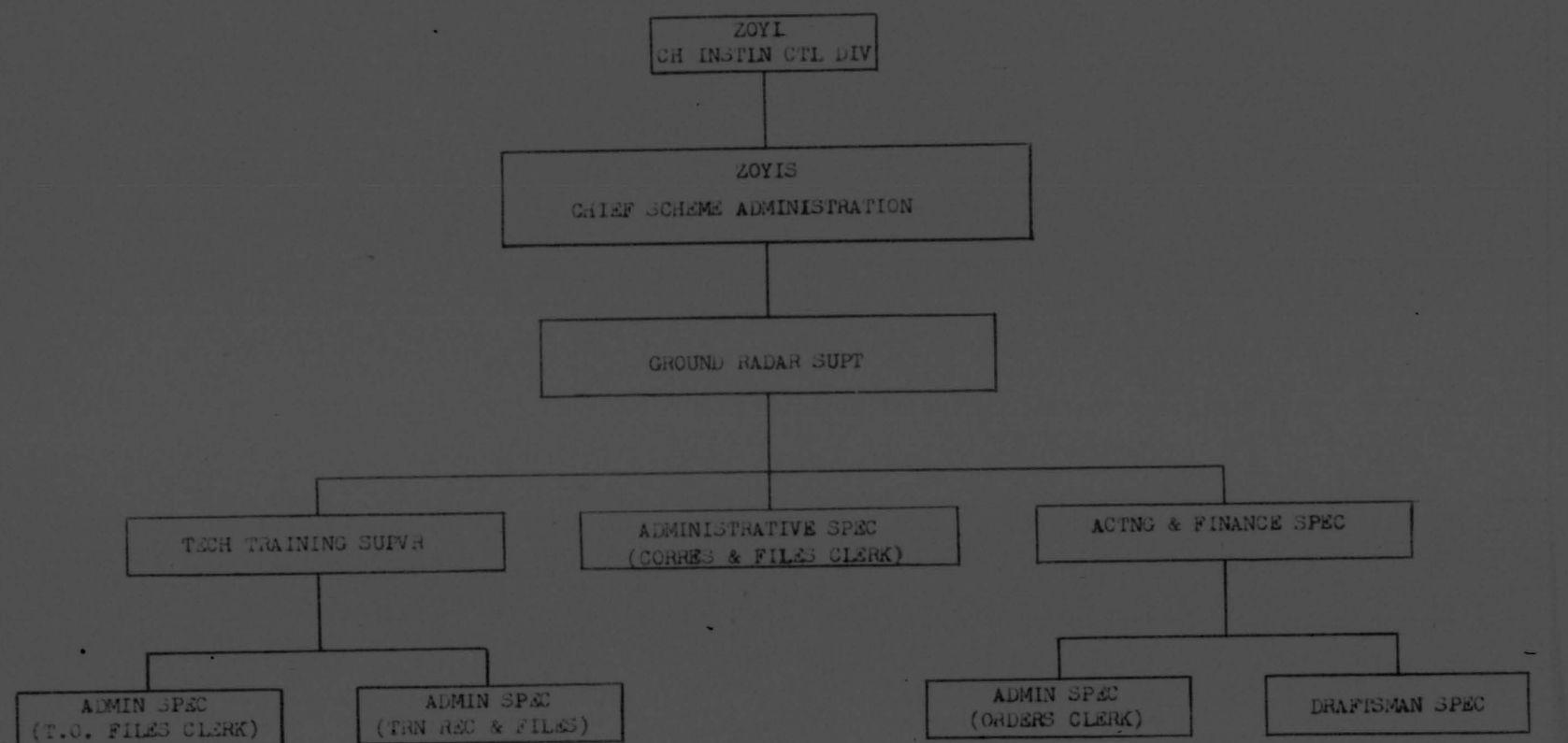
SCHEME ADMINISTRATION
2865TH GEEIA SQUADRON
CHANUTE AIR FORCE BASE, ILLINOIS



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ROSTER OF KEY PERSONNEL

NAME	RANK	POSITION	PAFSC	DATE ASSGD
PENN, JOHN H.	Maj	Commander	3011	12 Oct 59
BALCOM, RALPH C.	1 Lt	Supply Off	6421	5 Oct 59
GREENFIELD, ELISHA J	1 Lt	Admin Off	7024	20 Feb 58
PARKER, SANFORD L.	1 Lt	Chief, Inst Div	3041	24 Aug 58
STASZAK, JOSEPH E.	1 Lt	Chief, Scheme Adm	3031	9 Oct 59
BELL, JOHN R.	SMS	Instl Div Supt	30490	10 Jun 60
SHARKEY, HARRY E.	MSG	First Sergeant	73170	8 Mar 57
SEAL, EDWARD P.	MSG	Radio Maint Supt	30472	15 Sep 59
SUELETT, OMER	MSG	Wire Maint Supt	36270	14 Feb 60
HOLLOPETER, MERLE	MSG	Radar Maint Supt	30372	14 May 60

8

ATTACHMENT # 8

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2866th GESIA Squadron

Kelly AFB, Texas

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2866th GCAIA Sq 1 Jan 60 through 30 Jun 60

Central GCAIA Region
Tinker AFB, Oklahoma

PERSONNEL STRENGTH (Last day of Reporting Period)

	Officers	Airmen	Civilian	Total
Authorized	12	205	19	234
Assigned	11	191	17	219
Attached	0	0	0	

STATEMENT OF MISSION INCLUDING CHANGES

The mission of this organization is to install ground electronics equipment and systems within the ZI and overseas as assigned by Headquarters, Central GCAIA Region, to install certain communications equipment for the USAF Security Service and to provide administrative support for the Kelly Engineering Branch, Central GCAIA Region.

ORGANIZATIONAL CHANGES INCLUDING REASONS FOR CHANGES

During this period Major Edwin D. Hawn replaced Captain Edward J. Rebja as Commander.

ADMINISTRATIVE PROGRESS AND PROBLEMS

Installation: During this period there has been an increase in the authorization of 505X2's from twelve (12) to twenty-three (23) spaces, and the creation of five spaces in the 505X1 field. At the same time the 505X1 slots have been cut from twenty-four (24) to eight (8). There has been a change in the method of workload scheduling with Headquarters GCAIA. Workload schedules are now received three months in advance rather than one month as it used to be. This has allowed for a much greater degree of planning.

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Administrative Progress and Problems (cont'd)

Administration and Personnel: During this period there were no unusual problems encountered in the administrative section. Project "Paper Weight" was successfully completed on 30 April 19 0 with records on hand being reduced by approximately 40%. Progress is being made on the reaccomplishment of the AF Forms 4 and 7. This project has involved the reaccomplishment of over 400 records. The reaccomplishment of the Forms 4 has been completed and the Forms 7 are 10% completed. A great deal of progress has been made in the area of OJT. An OJT officer and NCOIC have been appointed to carry out the program. Now all team chiefs are required to be thoroughly briefed as to the training requirements of the airmen on their team before they go out on every scheme. With the setting-up of an OJT office to maintain all the records, the program has obtain a good deal more stability and direction. Finally, much more emphasis has been placed on classroom work despite the lack of mock-up models and adequate classrooms. A great need in the OJT program at this point is for more of the OJT package programs. Continual requests for such programs has brought little results. During this period, practically all problems in the personnel section stemmed from a lack of trained personnel technicians. It has been necessary to utilize airmen out of their AFSC's for short periods of time to partly fill the gap. Even after this measure was accomplished, we were short of personnel, and often work was slowed to a walk. The loss of two Staff Sergeants in the next two weeks, one a 73250 and the other a 70250, make it imperative immediate relief be forthcoming from higher headquarters.

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Administrative Progress and Problems (cont'd)

Supply: During the period, the Supply Unit was consolidated in building 3758 and a complete re-warehousing accomplished during January and February. All AF Forms 1120 were reviewed for accuracy and necessary corrective action was taken.

MISSION PROGRESS AND PROBLEMS

New systems started:

a. We started installation on three (3) new types of weather facilities. A 2275 facility AN/TMQ-11 Temperature-Humidity Indicator, 2277 facility AN/TMQ-15 Rotutin Beam Ceilometer and a 2278 facility AN/GMQ-10 Transmissometer.

b. Progress of suspended scheme follow-up.

(1) Suspended schemes held by the Installation Division have been reduced from twenty-four (24) on 31 Dec 59 to two (2) on 30 Jun 60.

c. A total of 190 schemes were implemented

d. A total of 90 schemes were completed

e. A total of 77 schemes are in progress

f. A total of 22 schemes were suspended and returned to Central OCE1A Region

g. Manhour utilization:

(1) C&E Branch from 50% in Jan 60 to 95.4% in Jun 60

(2) Fire Branch from 10% in Jan 60 to 109.4% in June 60

ADMINISTRATIVE, LOGISTICS

None.

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LIST OF ATTACHING DOCUMENTS

A. Organizational charts

B. Vital statistics

PREPARED BY

s/t Nathan P. Dodge
NATHAN P. DODGE, 2d Lt, USAF
Administrative Officer

APPROVED BY

s/t Elwin F. Rawa
ELWIN F. RAWA, Major, USAF
Commander

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PERSONNEL STATISTICS

Following are Personnel Statistics for the 2866th OEEIA Squadron during the period 1 January 1960 through 30 June 1960:

	AUTHORIZED	ASSIGNED	
Officer	13	13	1 Jan 60
	12	11	30 Jun 60
Airmen	209	240	1 Jan 60
	205	191	30 Jun 60

I Personnel Actions:

Gains:	Officers: 1	Airmen:	23
Losses:	Officers: 3	Airmen:	72
Reasgmt:	Officers: 1	Airmen:	51
Separations:	ETS	Airmen:	15
	PETS	"	2
	Hdsp	"	1
	Unfit	"	1
Retirements:		"	2

Promotions: Officers: 2
NCO 2
Airmen: 37

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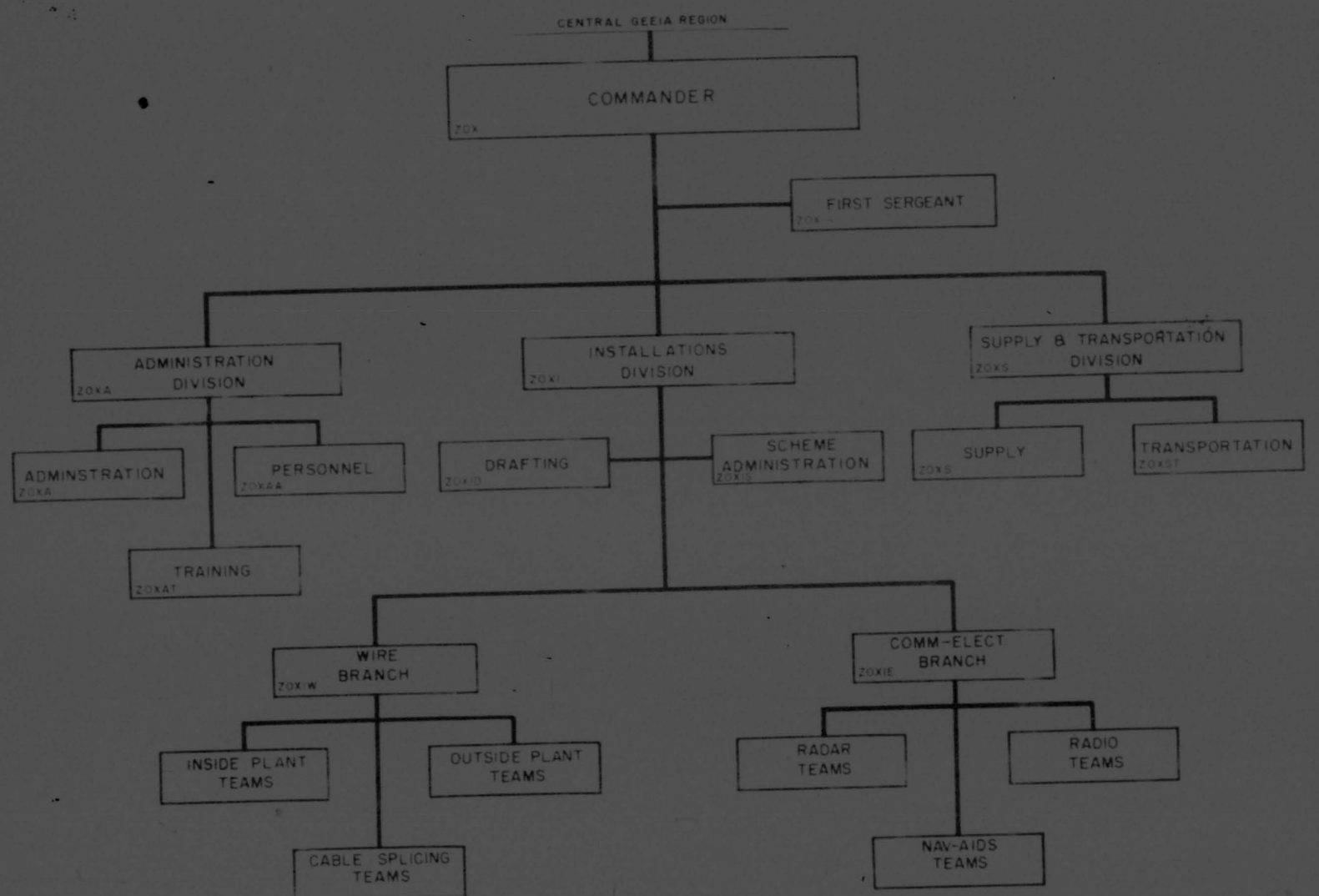
ORGANIZATIONAL CHART
2866th GEEIA SQ



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ROSTER OF KEY PERSONNEL

NAME	GRADE	DUTY TITLE	EXT:
ZOX			
HAWS, EDWIN B.	Major	Commander	86-490
PRICE, LEON	M/Sgt	First Sergeant	86-307
ZOXA			
DODGE, NATHAN P.	2d Lt	Admin Officer	86-201
TURNER, HOWARD	M/Sgt	NCOIC Admin Section	86-201
ZOXAA			
SHERIAN, RAYMOND	T/Sgt	NCOIC Pers Rcds Sec	86-402
ZOXI			
EATON, KENNETH L.	Capt	Chief, Installations Div	86-280
WRIGHT, ELDON	SMSgt	NCOIC Installations Div	86-280
ZOXIE			
TROW, ROBERT E.	Capt	Chief C&E Branch	86-202
POLE, ARMINIUS C JR	MSgt	NCOIC C&E BRanch	86-202
KENNEDYE, WILLIAM D.	CWO W2	Chief, Nav-Aids Sec	86-202
ZOXIW			
HAWS, ROY F.	CWO W2	Chief, Wire Branch	86-289
SMITH, GERALD L.	MSgt	NCOIC Wire Branch	86-289
ZOXIS			
KEMP, EDWIN L.	MSgt	NCOIC Scheme Admin	86-221
ZOXAT			
GRANSHAW, CHARLES W.	M/Sgt	NCOIC Training Section	86-427
ZOXS			
KOCHIS, ANDREW A.	Capt	Unit Supply Officer	86-226
REEVES, J. W.	MSgt	NCOIC Unit Supply	86-271
ZOXST			
HAYWARD, AUBREY	TSgt	NCOIC Transportation	86-292
ZOXID			
GARCIA, JOE F.	CIV	Drafting Supervisor	86-410

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FY 60 Status Report

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I N D E X

1. Background Statement
2. Mission Statement
3. Organizational Chart
4. FY60 Status Report
5. Problem Areas
6. Missile Support Status

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BACKGROUND STATEMENT

1. General Order 127 (AMC), dated 11 December 1958, activated the Oklahoma City GEEIA Region.

2. Continental AACS Detachment 1 and the Ground Communications Division of OCAMA were consolidated 1 January 1959 to form this Region.

3. Two squadrons were designated and assigned. The 2864th Installation Squadron, with location at Tinker AFB, and the 2865th located at Chanute AFB.

4. Transfer action of manpower spaces from OCAMA and AACS were finalized on 11 January 1959, involving 30 officers, 181 airmen and 104 civilians.

5. The mission was engineering and installation support of all fixed Communication and Electronics for all Air Force organizations in a nine-state area. These states were Arkansas, Oklahoma, Illinois, Missouri, Kansas, Iowa, Nebraska, Wisconsin and Minnesota. This also includes the upper peninsula of Michigan. Further, we had the ZI-wide engineering responsibility of all navigational aids.

6. AMC Order 65, dated 22 June 1959, deactivated five of the eight ZI GEEIA Regions and consolidated them into three. Effective 1 July 1959, the Oklahoma City GEEIA Region was redesignated the Central GEEIA Region and was expanded to include the additional responsibilities contained in the San Antonio GEEIA Region, plus those contained in Colorado and North and South Dakota formerly in the Ogden GEEIA Region. A field engineering branch was reserved at Kelly AFB, known as the Kelly Engineering Branch, composed of 18 authorized manpower allocations.

7. This order also added the 2866th Installation Squadron at Kelly AFB, Texas, to the Central GEEIA Region's squadron complex.

8. Paragraph II of AMC General Order, dated 14 September 1959, deactivated the 2864th Installation Squadron at Tinker AFB, and reassigned the personnel to the 2865th Squadron at Chanute AFB.

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9. During this period, Mexico, Central and South America were added to the Central GEEIA Region's responsibility.

10. A mission change occurred effective 1 September 1959 wherein the engineering responsibilities of Navigational Aids were divided and placed into the three-region complex, making it compatible with all other responsibilities.

11. The Central GEEIA Region personnel strength as of 31 December 1959 was 40 Officers, 424 Airmen, 165 GS and 24 Wage Board. This was an increase of 9 Officers, 220 Airmen, 59 GS and 24 Wage Board assignments as a result of the consolidation.

12. Due to the delinquent condition of the programs, as of 1 January 1959, its further degeneration by the consolidation 1 July 1959 and the lack of engineering capabilities at this time, an extensive contractual program was started in both the engineering and the installation areas to eliminate the delinquencies which instituted a workload beyond our organic capabilities. Authority was received from Headquarters GEEIA in September 1959 to issue Calls for engineering services. Actual work by the contractor against that part of the programs scheduled for contractual engineering started approximately 15 October 1959, and the amount of this type contracting reached a peak about 1 January 1960 and began to show results in scheme completions in both engineering and the installation phases as indicated in the following analysis.

13. The Region is presently involved in the Ballistic Missile Program to the extent that there are 10 of the 14 Atlas and Titan sites in our geographical area of responsibility.

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COMMAND MISSION

1. Manage the engineering-installation portions of the Ground Electronics Program, within a 16-state area of Central United States, plus Central and South America.

2. Perform pre-engineering, engineering, installation and testing of ground C-E facilities in accordance with T.O. 31-1-8.

3. Prepare, review and process C-E schemes for ground facilities listed in the PCSP that are within the regional area of responsibility.

4. Schedule resources to insure proper time phasing of assigned tasks.

5. Issue contract service authorization in accordance with directives from Headquarters GEEIA.

AREA OF RESPONSIBILITY

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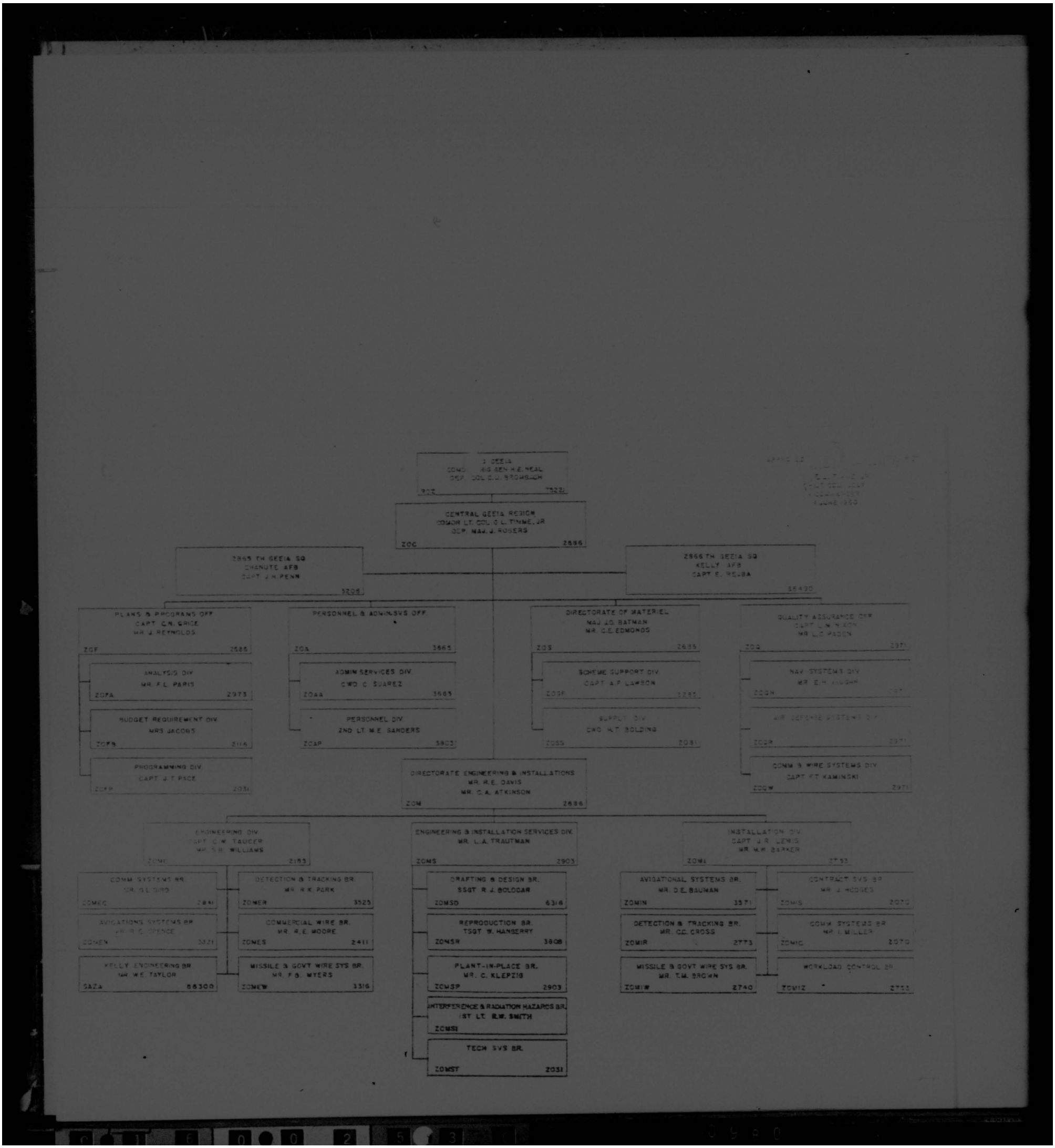

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HEADQUARTERS
CENTRAL GEEIA REGION (AMC)
UNITED STATES AIR FORCE
Tinker Air Force Base, Oklahoma

27 Jul 19

Gentlemen:

I want to open by stating that this has been a fine year for the Central GEEIA Region. In general, we spent almost all of the funds programmed for in the beginning of the year. We reduced our delinquent schemes in installation from 1267 to 246, completing a total of 1026 installations; and in engineering, completed 1125 schemes and reduced our delinquencies from 212 to 157.

Chart one depicts our financial record. As you can see, we estimated that we would need $12.1 million to operate for FY 60. The red line depicts our advice of allotments granted by Headquarters. The green line indicates our obligations during the fiscal year. We actually obligated two million less than we originally estimated. This was due to the cut backs in Missile C-E requirements at Forbes and Lowry as a result of the "Golden Goose" review. Our obligation rate was 99.99%.

Chart two depicts how we spent our monies. It is readily seen that contractual services account for the Lion's share of our funds. In this area we cover Type 1 costs under engineering. Contract installation and associated materials are covered under installation costs.

Chart three depicts our personnel status.

1. Our civilian strength as of 1 July 195 was 187 authorized with 152 assigned for an 81% strength. As of 1 July 1960, our authorization was 199 with 194 assigned for a 97% strength.

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2. Our military strength, as of 1 July 59, was 43 Officers authorized, 38 assigned for an 88% strength. Airmen strength for the same period was 4[illegible] authorized with 443 assigned for a 10[illegible] strength. As of 1 July 60, Officers authorized 41, assigned 35 for [illegible] strength. Airmen authorized 395, with 391 assigned for a 99% strength.

Even though we had a 9% overage in Airmen (all of which were three and five levels) at the beginning of the fiscal year, this did not compensate for the shortage in seven and nine levels. The picture has improved during the last quarter; we now have a number of high-ranking, skillful airmen in each squadron to train and lead the three and five levels.

You will also notice that we had 115 Type one engineers on board at the end of FY60 as compared to 22 at the beginning of FY60. The additional Type ones were phased in, for the most part, during the first and second quarters. Our production rate during this phasing in period was low due to the requirement to indoctrinate these new people. Our production rate showed a sharp increase during the third and fourth quarters as we were then able to fully utilize these people.

Increases in our authorized civil service strength will result in a reduction of these people with the resultant reduction in the expenditure of funds in this area. An informal survey indicates that a good many of these people will accept civil service jobs for the sake of stability and security.

Chart four shows squadron or organic utilization. You notice we have steadily improved in this area. This improvement is basically because of the higher grades and skill levels.

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Chart five shows our installation workload during FY60; schemes delinquent carried over from FY59; new schemes programmed; and job numbers assigned, for a total workload of 2732.

Chart six shows our installation disposition.

Chart seven shows the recap of installation workload versus accomplishments and the number of delinquent schemes carried into FY61.

Chart eight illustrates installation accomplishments by commands and methods of accomplishment.

Charts nine, ten, eleven and twelve depict the engineering picture, to include:

1. Delinquent schemes carried over from FY59.
2. New schemes programed for FY60.
3. Disposition of FY60 Workload.
4. A recap of workload versus accomplishments and delinquent schemes carried into FY61.
5. Engineering accomplishments by Commands.

Chart thirteen depicts our status and progress in the scheme support area as far as our Directorate of Materiel is concerned.

Several comments are required to explain the ups and downs on this chart:

a. Reorganization during July and August to the ZI three-region concept. Action of this magnitude tends to reduce the effectiveness of any support agency.

b. Schemes, approximately 439, received from the San Antonio and Ogden CEIA Regions during August, September and October as a result of reorganization. These required integration into the applicable support element. A shortage of personnel and the somewhat different

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ethods of record keeping employed by San Antonio and Ogden Regions lowed the integration process considerably.

c. The transfer of certain Nav-Aid schemes to the newly established Eastern and Western GEEIA Regions. Action required to accomplish an orderly transfer, out of necessity, reduced effectiveness in the scheme support area. Approximately 436 schemes were involved in this transfer during September, October and November.

d. The conversion to Univac Computer System at ROMA during the first half of FY60. This caused considerable delay for a relatively short period and scheme support slippages developed into additional delinquent schemes.

e. The lack of firm policy in the Local Purchase support area since the GEEIA Regional concept. This deficiency in the minor item support area caused many schemes to become delinquent for the lack of items readily available on the local market.

These factors, each in its own specific way, contributed to a constant monthly increase in scheme delinquency throughout the first two quarters of FY60. The peak deficiency is reflected in December with a delinquency rate of 69.2%.

Subsequent to establishing the ZI three-region concept, aggressive action was taken to develop standards of operation designed to provide purification of scheme records, maintain current and comprehensive data for each scheme, familiarize scheme monitors with specific support requirements and establish liaison with the prime supply source and the using commands. The value of these efforts became evident during January and have consistently been reflected in the reduction of delinquencies during the last two quarters of FY60.

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During January a firm policy and course of action for Local Purchase of scheme requirements were developed by this headquarters and Headquarters OCAMA. This has been of immeasurable value in completing schemes within our area of responsibility. Three-hundred forty-four (344) schemes were completed during FY60 as a direct result of over-all support management.

Project "Count" proved both good and bad. Considerable delay was caused in scheme support due to preparation for, participation in and consolidating data resulting from the inventory. Many critical items were brought to the surface as a result of Project Count. Ultimately, all types of schemes benefited. It is reasonable to believe that continued benefits will be realized throughout FY61.

Project "Get Well" 18-22 April 1960 provided for the screening of all types of schemes, 384 schemes were reviewed; material requirements and their support was divided between the prime supply agency (CESAC) and this headquarters. This Region assumed full responsibility for Local Purchase action for schemes which could totally or partly be supported from local market assets. This scheme review was precise to the degree of identifying the specific BOM line item and the applicable action agency.

To summarize: This Region began FY60 with a scheme support effective rate of 44.07% which due to previously mentioned problem areas grew progressively less until in December the effective rate was 30.8%. During the last two quarters, primarily through our own aggressive action, this condition has improved to an end-of-year status of 76.14% effectiveness, or 136 schemes delinquent in the supply area as against 533 schemes delinquent at the beginning of the year.

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Chart fourteen shows a workload and budgetary comparison between FY60 and FY61.

You can see our engineering and installation workload for FY61 is not as great as it was in FY60.

Gentlemen, my summary chart, fifteen, we see that the Central GEEIA Region had an 84% accomplishment rate during FY60. This compares with several prior years average of 66% when this type work was the responsibility of the Ground Communications Division, OCAMA and Continental AACS.

In FY61 Central GEEIA Region expects to have a 100% accomplishment rate in addition to a reduction in Type 1 personnel and associated fund requirements, or in other words we intend to get our mission accomplished with fewer high-cost people and with the expenditure of a smaller amount of money.

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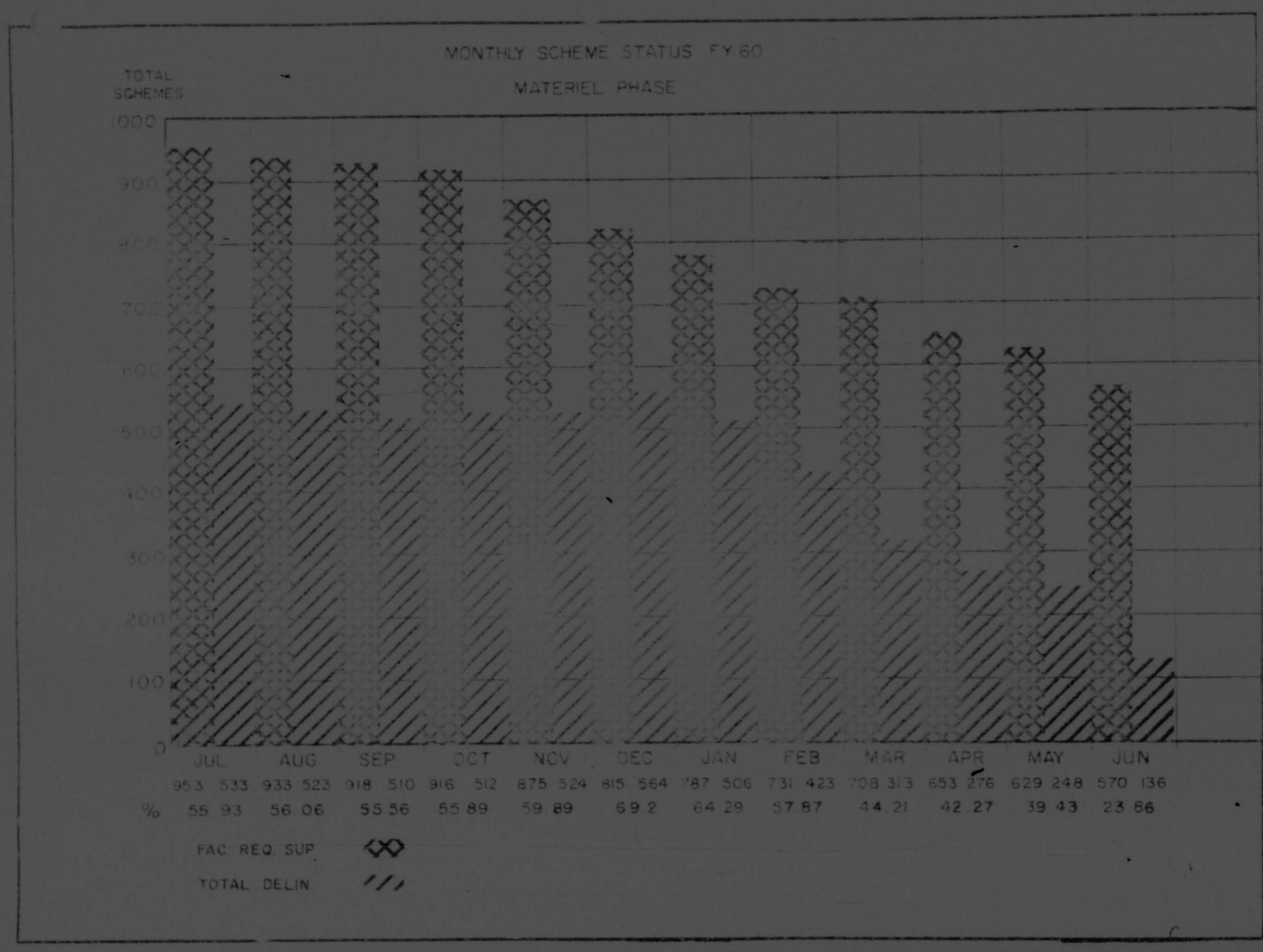

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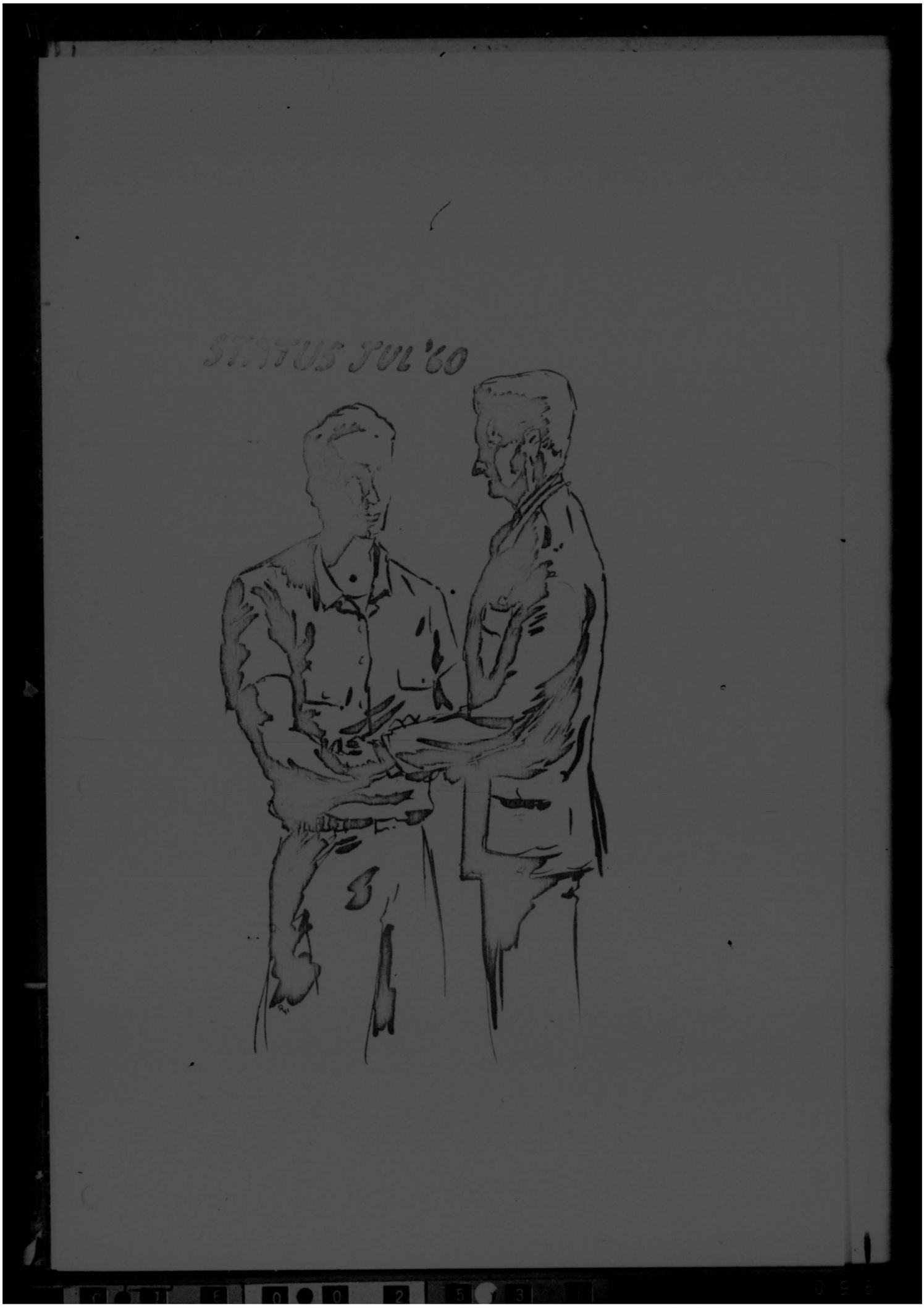

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CENTRAL

GEEIA REGION

FY-60

STATUS

REPORT

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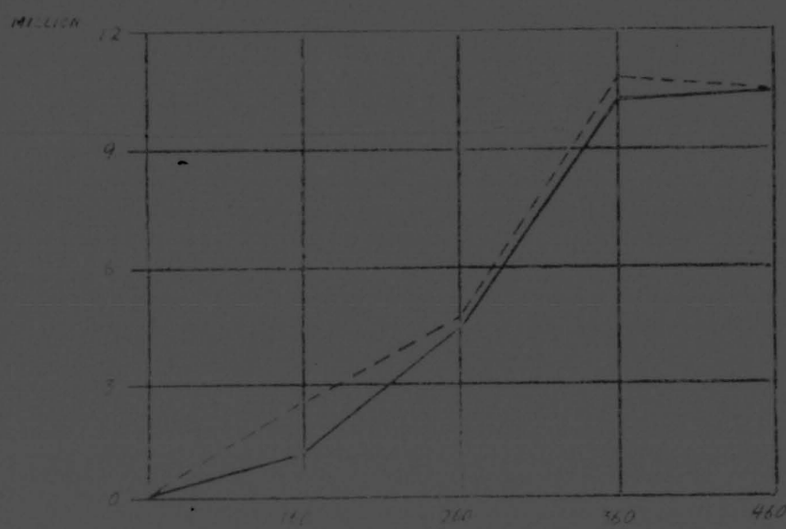
BUDGET DATA

FY60

I	Financial Estimate	12.1 Mil
II	Advice of Allotment	10.5 Mil
III	Actual Obligation	10.5 Mil
	Obligation Rate	99.99%

NOTE: Two million reduction due to missile C-E Fallout at Forbes and Lowry as a result of "Golden Goose"



Advice of Allotment-----

Obligation———————

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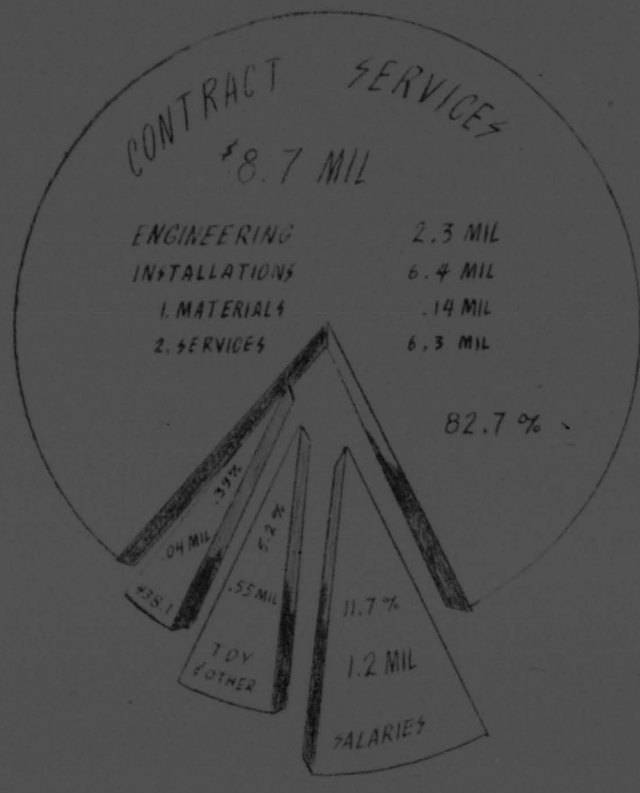
FUNDS MANAGEMENT

FY60

Obligations	$10.5 Mil
Obligation Rate	99.99%



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PERSONNEL STATUS

1 July 1959

		AUTH	ASSIGNED	%
I	Civilian	187	152	81
II	Military			
	A. Officers	43	38	88
	B. Airmen	408	443	109
III	Contractual			
	A. 66-18	16	16	100
	B. Type 1	N/A	22	N/A

1 July 1960

		AUTH	ASSIGNED	%
I	Civilian	199	194	97
II	Military			
	A. Officers	41	35	85
	B. Airmen	395	391	99
III	Contractual			
	A. 66-18	32	32	100
	B. Type 1	N/A	137	N/A

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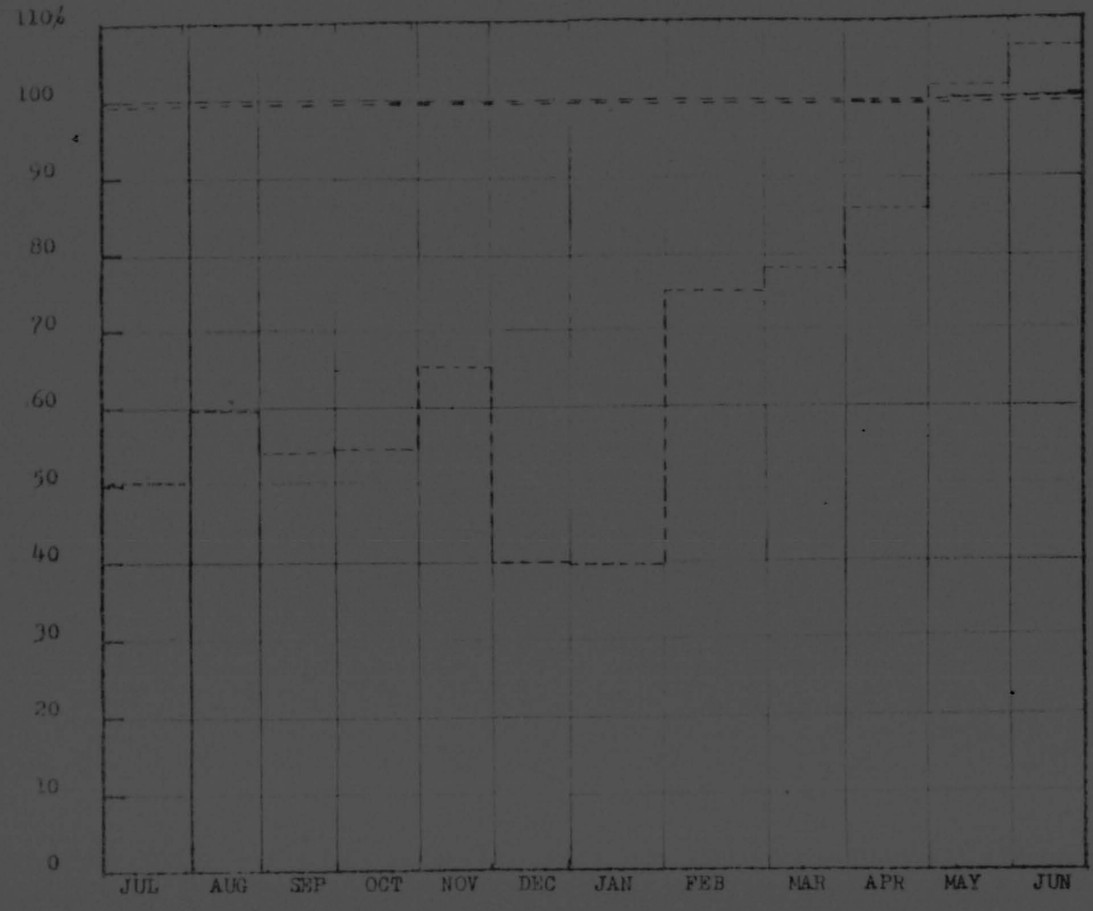
SQUADRON UTILIZATION

FY 60

AVERAGE MANHOUR UTILIZATION - 68.1%



2865th and 2866th--------

GEEIA Standard==========

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INSTALLATION WORKLOAD

FY60

A.	Schemes Delinquent as of 1 July 1959	1267
B.	Schemes programmed	948
C.	Job Numbers assigned	240
	TOTAL WORKLOAD	2455

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DISPOSITION OF FY60

INSTALLATION WORKLOAD

A.	Schemes Completed with AFTO 88's	1026
B.	Job Numbers completed	240
C.	Scheme cancellations	507
D.	Nav Aids Schemes transferred	436
	TOTAL	2209

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RECAP FY60

INSTALLATION WORKLOAD

Workload	2455
Accomplishments	2209
Delinquent Schemes carried to FY61*	246

*109 of the 246 are completely installed but lack:

A. Flight Check

B. Peaking

C. Plant in Place Dwgs

D. AFTO 88's

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SCHEME INSTALLATIONS

BY COMMANDS

		AFTO 88	Less AFTO 88
A.	SAC	308	30
B.	ADC	339	37
C.	Others	379	42
	TOTAL	1026	109

METHODS OF

ACCOMPLISHMENT

		AFTO 88	Less AFTO 88
A.	Organic	426	40
B.	Contract	600	69

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ENGINEERING WORKLOAD

FY60

A.	Schemes Delinquent as of 1 July 1959	212
B.	Schemes Programmed	897
C.	Job Numbers assigned	173
	TOTAL WORKLOAD	1282

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DISPOSITION OF FY60

ENGINEERING WORKLOAD

A. Schemes completed		952
B. Job Numbers completed		173
	TOTAL	1125

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RECAP FY60

ENGINEERING WORKLOAD

Workload	1282
Accomplishments	1125
Delinquent Schemes carried to FY61	157

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ENGINEERING COMPLETIONS

BY COMMAND

SAC	403
ADC	363
Others	359
TOTAL	1125

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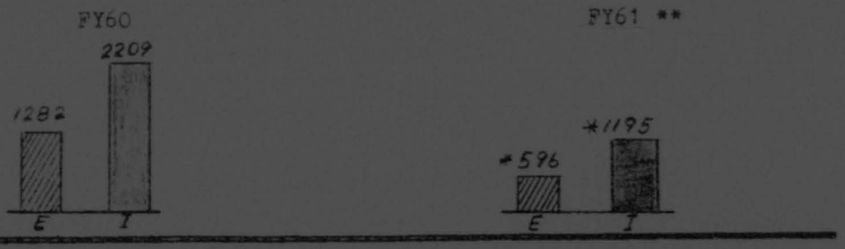
COMPARISON

FY60 -- FY61

WORKLOAD



FUNDS

* Non-Scheduled/Non-Programmed jobs and schemes will increase E&I workload and associated fund requirements

** Programmed

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SUMMARY

FY60 - ACCOMPLISHMENTS 84%

This rate should be compared to an average rate of completion of 66% per annum when this type work was the joint responsibility of the Ground Comm Div OCAMA & Continental AACS

FY61

Programmed Completions 100%

Will Result in reduction of type 1 personnel & associated fund requirements

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PROBLEM AREAS

1. Require 150 GS spaces to replace the Type 1 contract engineers and draftsmen that we presently utilize to perform our mission.

2. Require $35,000 of P438 Base O&M funds to provide adequate working environment for personnel assigned to this organization (OCAMA did not receive sufficient P438 (0729) funds to support us in this area.

3. T.O. 31-1-8 states that the Base Commander will notify the appropriate GEEIA Region as to whether or not the supporting structures and services will be available in proper time to commence installations on schedule. If the initial report indicates slippage, then the Base Commander will furnish the GEEIA Region with a monthly status report. This, at the present time, appears to be a "catch as catch can" proposition. We are recommending to GEEIA that more teeth be put into this particular portion of T.O. 31-1-8 by the devising of a standard form and the use of an AF RCS. (The Corps of Engineers currently provide SAC with reports of this nature that appear quite useful to GEEIA. These are "The Design Status Report" and the "Construction Status Report.")

4. PCSP-PC-Buy Program Phasing

a. It appears that these three items are in step when a facility is inserted in the PCSP at least on a planning basis. However, the facts are that if funds are not available for a complete buy program or a complete construction program, then the system seems to fall down in that it then becomes the responsibility of the Major Command to perform the re-programming function. This the Command is extremely reluctant to do.

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b. The solution is to give the PCSP managers (ROAMA) the authority to reprogram ops dates based on equipment and construction availability.

5. T.O. 31-1-8 Familiarity: Base Communications Officers, Base Civil Engineers and Base Supply Officers do not seem to have a thorough knowledge of the GEEIA bible, T.O. 31-1-8, and the requirements it places on them for certain reports and actions. Our job would be made much easier if these people were aware of their responsibilities. Our solution is personal contact each time a GEEIA representative visits one of these people.

6. The following copies of letters from this Headquarters to Headquarters GEEIA are self explanatory. We believe this letter points up a definite procurement problem in that a possible bidder (the telco's) are not bound by their bids.

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C O P Y

HEADQUARTERS
CENTRAL GEEIA REGION (AMC)
UNITED STATES AIR FORCE
TINKER AIR FORCE BASE, OKLAHOMA

REPLY TO
ATTN OF: OCZOMES 2 July 1960

SUBJECT: Award of Contract to Successful Bidder, Missile Intersite Communications

TO: GEEIA (ROZMEA)
GEEIA (ROZICC)

1. Several questions have arisen regarding the present procedures for implementation of missile intersite-communications facilities in the event the common carrier commercial telephone company is successful bidder.

2. Currently, the common carrier competes in bidding and may be selected as low bidder to provide intersite facilities.

3. In the case of Forbes and Lowry, after the common carrier was selected as low bidder, instructions were then given to Central GEEIA Region to issue a CSA under the General Contract for services and no IFB type contract was awarded.

4. It should be pointed out that services ordered under the General Contract are not bound by originally estimated costs. Records are kept by the telephone company of actual costs incurred and the final amount of billing is based on actual cost not on previously estimated amounts.

5. If final costs greatly exceed estimates under the General Contract and if such costs appear to be excessive and cannot be resolved locally, such matters may be ultimately forwarded through channels to the Air Force Auditor General or GSA prior to payment for resolution. In resolving cost disputes under the General Contract, original estimates are not a factor in that the telephone companies are not bound by such estimates.

6. In view of this, the use of CSA's or calls on the General Contract does not seem appropriate in the case of missile intersite facilities after receipt of responsive competitive bids in that it tends to nullify any apparent cost savings gained through competitive bidding.

7. It is felt that, if bidding is made on an IFB type basis, a contract should also be awarded on that basis rather than revert to CSA ordering under the General Contract.

8. Considerable confusion exists currently in the case of Lowry and Forbes where the common carriers were told they were bidding on a

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fixed price basis, yet regardless of verbal statements made or previous indications of contract award, they were actually and in fact ordered to proceed with construction under the General Contract and all costs are subject to complete justification at time of billing. This may result in higher or lower actual costs in comparison to bid prices.

9. The most obvious disadvantage to issuance of a CSA after a bid selection such as this is that a common carrier could purposely bid low to be selected, then submit higher bills in justifiable amounts. Such action would place a disadvantage on all other bidders.

10. It is suggested that this matter be thoroughly reviewed prior to determining action to be taken on successful bidders for the Ellsworth, Schilling, and Warren III facilities which will be selected in the next few weeks.

/s/ George L. Tidge, Jr

GEORGE L. TIDGE, JR
Lt Colonel, USAF
Commander

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SECRET

FM GEEIA
TO WESTERN GEEIA REGION FOULKRIAC AFB
CENTRAL GEEIA REGION TINKER AFB
INFO EASTERN GEEIA REGION BROOKLEY AFB
AFBMD LOS ANGELES CALIF
SAC NIKE LOS ANGELES CALIF

UNCLAS FROM ROZCNS 7-2-E. ACTION OCZCNEW AT CENTRAL GEEIA ASNEW AT WESTERN GEEIA INFO WDMCW/MAJOR STOKER AND GEEIA LIAISON ROZCL-5/ MAJOR WOODRUFF AT FBD LT COL SHEET AT SAC NIKE ROSNY AT EASTERN GEEIA AND ROV/MR A. D. SMITH AT ROAMA. DECISION ON BUY VS LEASE ON WARREN III ELLSWORTH AND SCHILLING BY DOD/USAF IS EXPECTED MOMENTARILY. ROAMA HAS TAKEN PRE-PLANNING ACTIONS TO EXPEDITE CONTRACT IF DECISION IS BUY. GER'S WILL PREPARE CSA'S TO POINT OF SIGNITY AND OBLIGATING AND HOLD IN ABEYANCE IF DECISION IS LEASE. CSA SHOULD BE ISSUED IMMEDIATELY UPON OFFICIAL NOTIFICATION.

07 JUL

FM HQ CENTRAL GEEIA REGION TINKER AFB OKLA
TO GEEIA GRIFFISS AFB NY

UNCLAS FROM OCLAMES-7-155-E. FOR ROZM. Reference our letter dated 2 Jun 60 Subject "Award of Contract to Successful Bidder, Missile Intersite Communications" addressed to the attention of ROZNEA and ROZICC and GEEIA Message ROZCMS-7-2-E dated 7 Jul 60. Your message referred to above does not indicate cognisance of problem areas as stated in our referenced letter regarding CSA action under General Communications Service Contracts. In so much as no reply or comment has been made to our letter it is requested your message ROZCMS-7-2-E be reviewed and confirmation be given that action cited is actually desired. Leased proposals for Ellsworth and Schilling are not available at this headquarters nor is any other contractual information available since proposals were returned by ROAMA. Further funds are not available this headquarters that would permit issuing CSA's therefore until proposals, costs, and funds are made available this headquarters no action can be taken to prepare or issue CSA's at this point in the event the telephone company is selected as successful bidder on a leased basis. A review of directed action and an early reply are requested.

11 Jul

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FM HQ GEEIA GRIFFISS AFB NY
TO CENTRAL GEEIA REGION TINKER AFB OKLA

UNCLAS FROM ROZMEA-7-152-E. FOR OCLAMES. THIS MESSAGE IN TWO PARTS REFERENCE YOUR MESSAGE OCLAMES-7-155-E AND YOUR LETTER SUBJECT "AWARD OF CONTRACT TO SUCCESSFUL BIDDER MISSILE INTERSITE COMMUNICATIONS" DATED 2 JUNE 1960. PART I. THE CONTENTS OF THE LETTER ARE STILL UNDER ACTIVE CONSIDERATION HOWEVER THERE IS NO ALTERNATIVE AT THIS TIME BUT TO PROCEED IN ACCORDANCE WITH THE POLICY ESTABLISHED BY HEADQUARTERS USAF. THE SUBJECT OF THE LETTER CAN BE FURTHER DISCUSSED AT THE TIME OF YOUR VISIT TO HEADQUARTERS TO ATTEND THE COMMANDERS CONFERENCE. PART II. LEASE TECHNICAL AND COST PROPOSALS ARE BEING FORWARDED UNDER SEPARATE COVER. POINTS HAVE NOT BEEN RELEASED BY HEADQUARTERS USAF. YOU WILL BE ADVISED IMMEDIATELY UPON RECEIPT OF DOD DECISION.

15 JUL

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H-1 REPORT CUT OFF DATES

I. Cut off dates imposed on CEGR by Stat Services occur on or about the 20th of each month.

This forces us into a manual count for analysis purposes since the Stat Machine will only count those functions performed during a specific Month, Quarter and Fiscal Year. We have repeatedly brought this problem to the Stat Section's attention. Their answer has been: "Changing cut off dates would cause rescheduling of machine time that our requirements must follow:

A. The Civilian Payroll Report.

B. Requirements to have H-1 Report to ROAMA by 29th of each month."

CONCLUSION: We work for the machine instead of it working for us.

RECOMMENDATION: That cut off dates be established as the last day of each month.

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"REHABILITATION FUNDS"

FOR CEGR REQUIREMENTS

I. We need $35,000 specifically earmarked for rehabilitation of our working area at Tinker to be utilized as follows:

A.	Air Conditioning	$12,000
B.	Adequate Lighting	20,000
C.	Acoustic tile, removal of excess plumbing and partitioning	3,000

II. Tinker has no funds available during FY61 to accomplish these requirements.

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STATUS OF

CENTRAL GEEIA REGION

PARTICIPATION IN THE ICBM PROGRAM

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STATUS

Altus: Specifications approval was completed 28 June 60. Now waiting final specifications publication by Headquarters GEEIA scheduled date 8 July 60.

Dyess: Specification's approval is being delayed due to lack of ACP decision from SAC/MIKE. Scheduled date 28 June 60.

Ellsworth: Cost proposal has been completed and is now at DOD for cost breakdown date sent 1 July 60. Next step by Pease's decision was scheduled for 8 July 60. As of this date, no further data is available.

Forbes: Intersite construction began 5 July 60 and is scheduled for completion 11 Feb 61. Intersite service to first site scheduled for 15 October 60. Central GEEIA Region's GEEIA Project Engineer is on site. Proposed date for completion of installation of Central Office equipment is scheduled 15 Feb 61.

Lincoln: Proposal evaluation was started by GEEIA - ROAMA - BMD 6 July 60. Next step cost proposal from (IFB)/ROAMA, scheduled date 29 Aug 60.

Lowry: Intersite construction began 11 April 60. On base support has not been completed. Scheduled for completion 29 Oct 60. Interim service to first three sites scheduled for; site 1A - 1 Sep 60, site 1B - 1 Oct 60 and site 1C - 1 Nov 60. Cut over of Central Office equipment at Lowry scheduled for 29 Oct 60.

Offutt: Intersite construction was completed by Northwestern Bell Company on 1 July 60. Intrasite communications equipment has not been installed and is not ready for 1 & C intrasite communications. To be ready by 1 Sep 60. No completion date at this time for Central Office equipment installation. Proposed date 1 Feb 61. Equipment will start arriving 1 Aug 60. Central GEEIA Region's project engineer is on site.

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STATUS continued

Schilling: Cost breakdown GEEIA/ROAMA DOD 4100.23 was completed 1 July 60. Now waiting for Buy Lease decision from USAF/ DOD scheduled for 16 July 60.

Walker: Route survey was completed 29 June 60. Now waiting for order of magnitude charges from AT&T Co. for ACPs ACP order of magnitude charges to be received from AT&T Co. 21 July 60.

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		% of Engr Completed	Hrs Engr Per Site
Forbes	Total Hours Spent Engr	100	3327
Lowry	Total Hours Spent Engr	100	2194
Offutt	Total Hours Spent Engr	100	1094
Ellsworth	Total Hours Spent Engr	80	1684
Lincoln	Total Hours Spent Engr	75	972
Schilling	Total Hours Spent Engr	75	629
Altus	Total Hours Spent Engr	50	480
Dyess	Total Hours Spent Engr	35	344
Walker	Total Hours Spent Engr	25	264
		TOTAL MANHOURS	10,988

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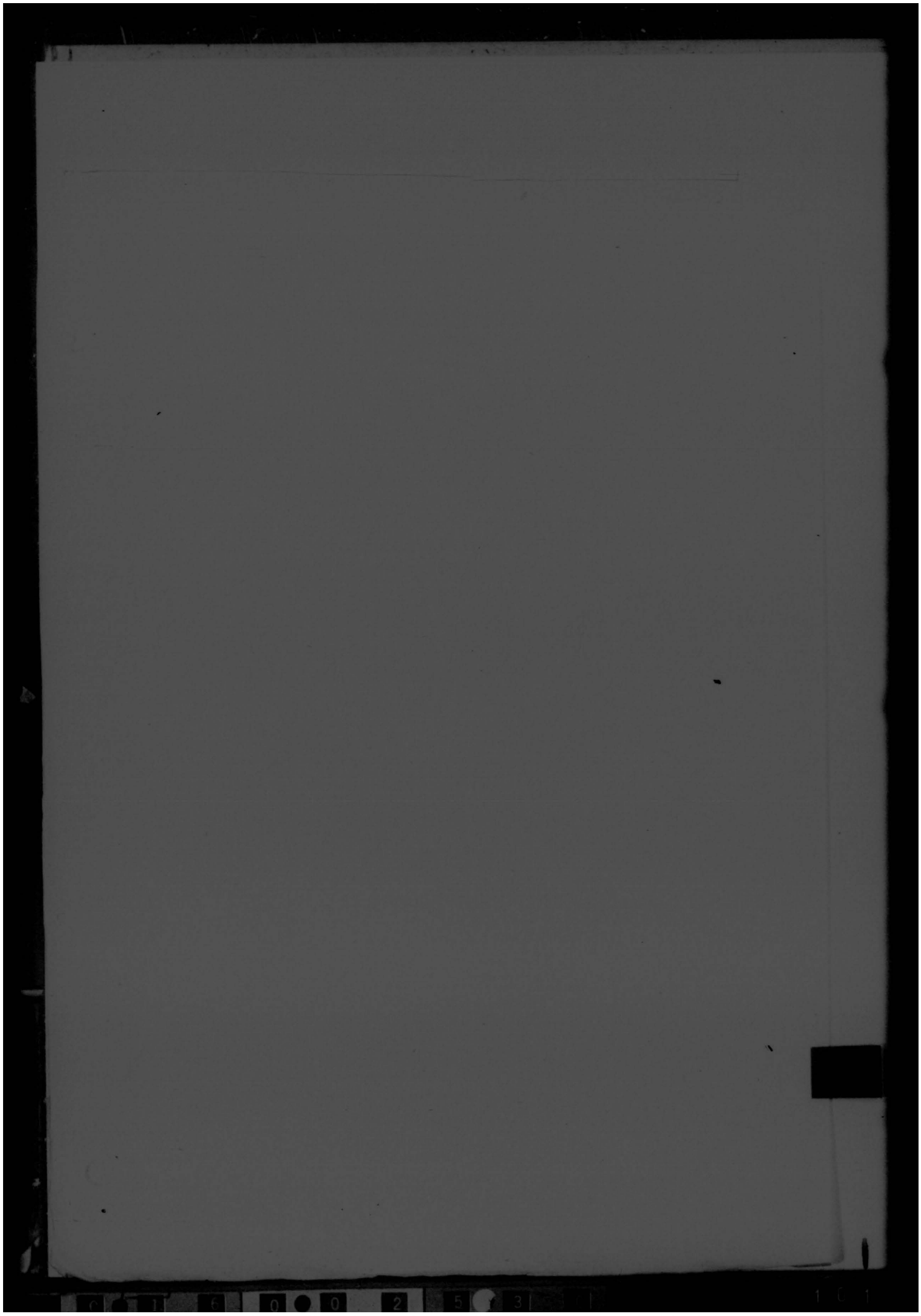

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HISTORY

OF

HEADQUARTERS

EASTERN GROUND ELECTRONICS ENGINEERING-INSTALLATION AGENCY REGION

1 JANUARY 1960 THROUGH 30 JUNE 1960

Prepared By
Capt Leo V. Lyons
Historian

Approved By:

Chester V. Hawkins

CHESTER V. HAWKINS
Lieutenant Colonel, USAF
Commander

HEADQUARTERS GROUND ELECTRONICS ENGINEERING-INSTALLATION AGENCY

ROME AIR MATERIEL AREA

AIR MATERIEL COMMAND, UNITED STATES AIR FORCE

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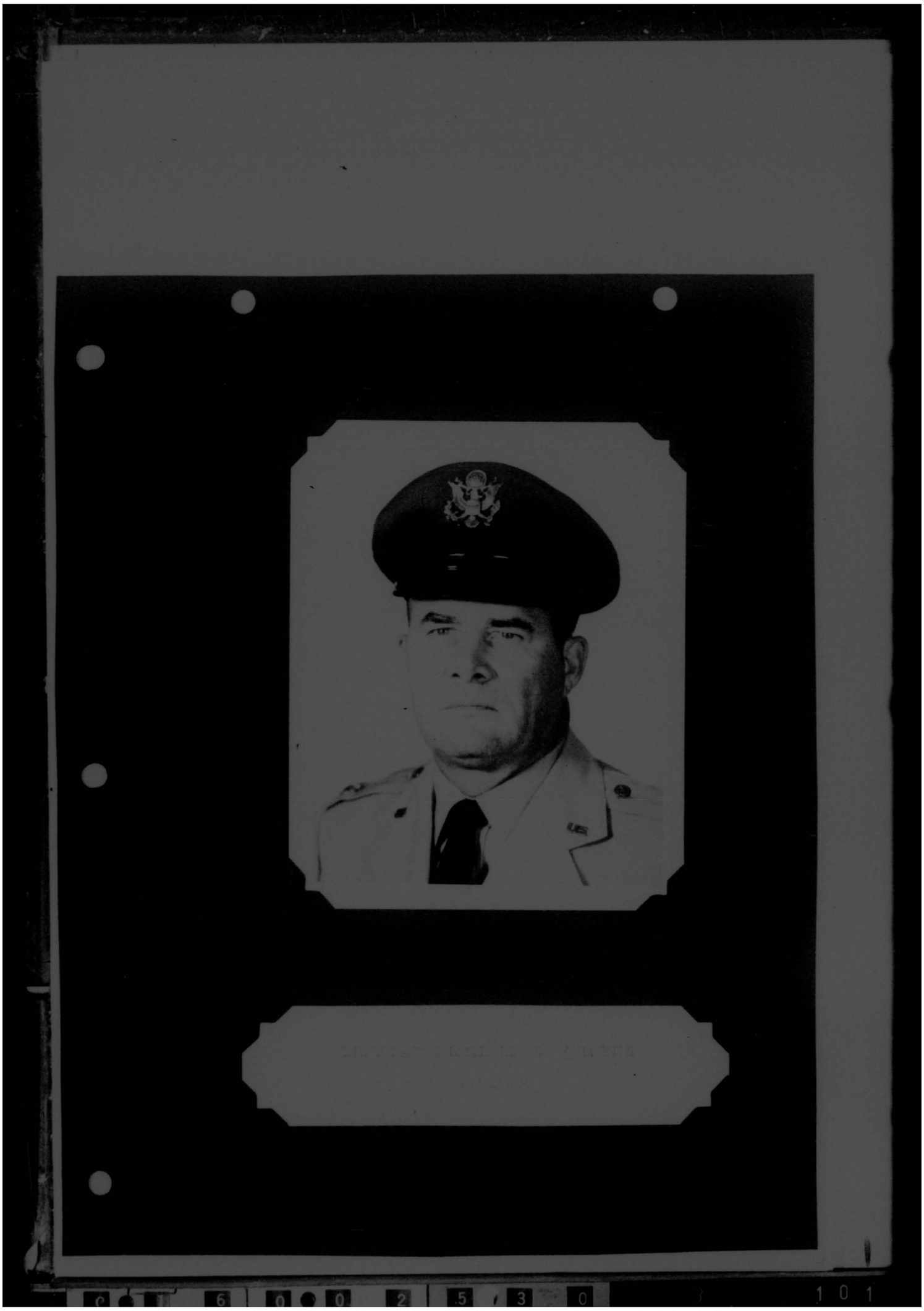

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B	SAMTA Region G.O. 1, 19 April 1960
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APPENDIX

D — Letter of Appreciation From Commander, Hq Keesler Technical Training Center

E — Letter, Hq [illegible], Subject: Deactivation of [illegible] Squadron, 25 Feb 1960

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G — Organizational Chart - Hq Eastern [illegible] Region

H — Letter, Hq [illegible], Subject: Project Paper Weight, 20 May 1960

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MISSION

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MISSION

The mission assigned to Headquarters, Eastern Ground Electronics Engineering-Installation Agency Region was to:

1. Implement the Engineering Installation portions of the Ground Communications Electronics Program within the assigned area of responsibility.

2. Perform such other functions as directed by Commander GEEIA.

Eastern GEEIA Region Commander's Responsibilities: The specific responsibilities of the Commander, Eastern GEEIA Region were to:

1. Exercise command jurisdiction over subordinate units.

2. Perform pre-engineering, engineering, installation and Testing of ground C-E facilities in accordance with TO 31-1-8.

3. Prepare, review and process C-E schemes for ground facilities listed in the PCSP that are within the regional area of responsibility (TO 31-1-8).

4. Schedule resources to insure proper time phasing of assigned tasks.

5. Issue contract service authorization in accordance with AFM 100-22 and Headquarters GEEIA instructions.

6. Upon Headquarters GEEIA approval for contract augmentation of assigned tasks:

   a. Prepare work statements.

   b. Provide technical advice and assistance to the contracting officer.

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c. Supervise work performed by the contractor to insure adherence to work specifications.

d. Participate in the evaluation of completed work to insure fulfillment of technical specifications.

7. Provide Headquarters DCEIA with a forecast of equipment, personnel and materiel needs to satisfy requirements for accomplishment of assigned tasks.

8. Provide periodic, special summary and program status reports to Headquarters DCEIA and other interested agencies and point up deficiencies that affect the engineering installation program.

9. Develop, submit, justify and administer the budget necessary to perform assigned tasks.

10. Maintain a capability for deploying resources to meet emergency or urgent operational requirements.

11. Conduct continuous training of all personnel to insure maximum utilization of potential and available resources.

12. Assist in the training and technical supervision of air reserve force units with a mobilization assignment to DCEIA.

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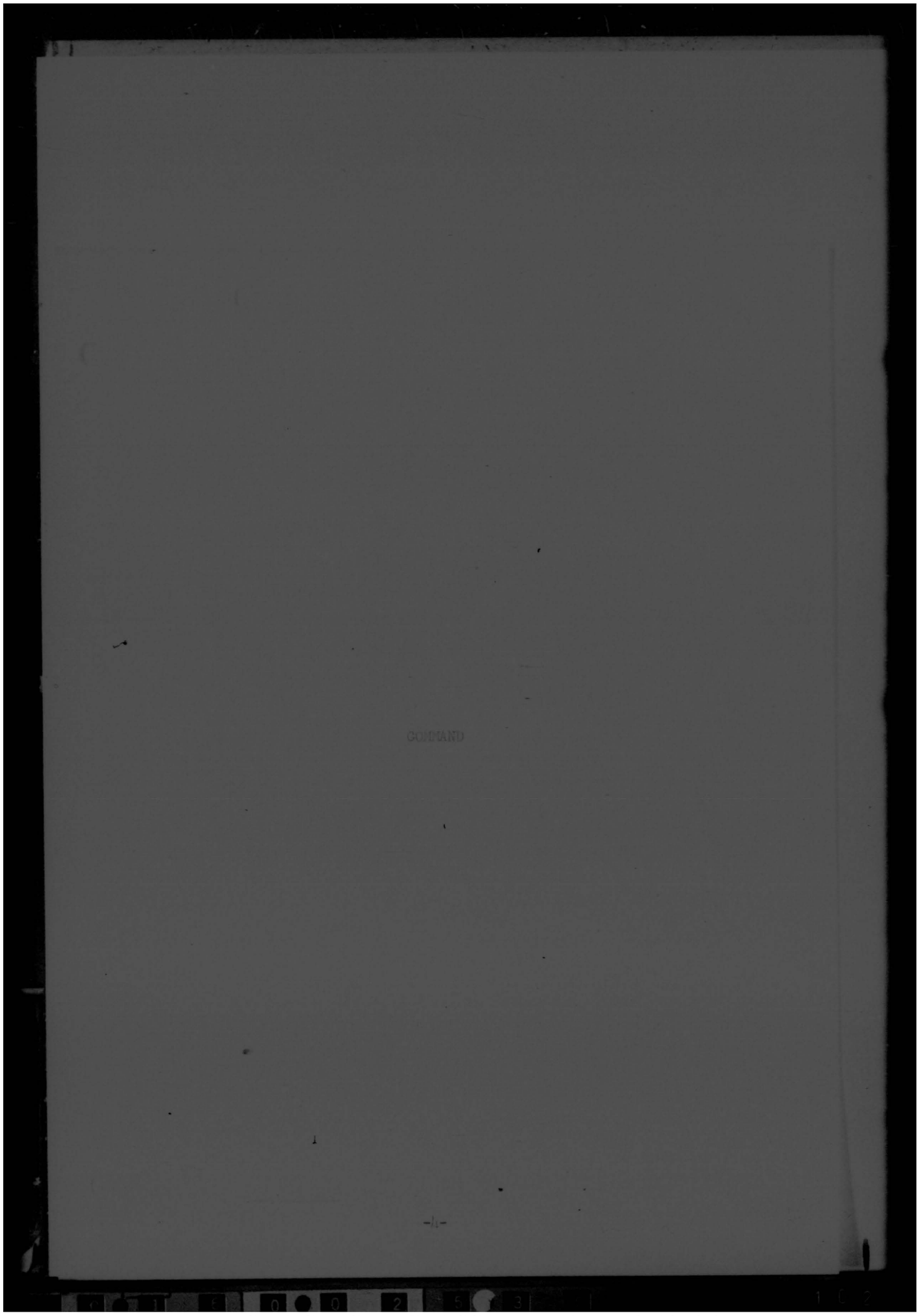

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COMMAND

A review of the first history of the Eastern GEEIA Region reveals that the Region was one of the three ZI Regions resulting in the phase-over from eight to three ZI Regions. The function of the former Mobile GEEIA Region and the deactivated Warner Robins GEEIA Region and the Middletown GEEIA Region along with personnel, equipment, and records, were transferred to form the Eastern GEEIA Region, with headquarters at Brookley Air Force Base, Alabama.

The reasoning behind the desire for three regions was the amount of high level military and civilian personnel needed to adequately man eight regions. By consolidating to three ZI Regions, the high grade level of manning could be drawn from ZI wide capabilities.

The Eastern GEEIA Region, commanded by Lieutenant Colonel Chester E. Hawkins during the entire reporting period, was delegated responsibility for all states east of the Mississippi River except Wisconsin, all of Canada, east of the 95th Meridian, Greenland and Iceland, Bermuda, the Bahamas, all islands in the Caribbean Sea, Ascension, and other sites associated with the Air Force Missile Test Center Range (APPENDIX A).

Many events occurred during the reporting period and all played an integral part in the accomplishment of the Region mission. However, an attempt will be made to record only those events considered paramount to the development of this history.

The Inspector General and Quality Assurance Office became operative with the assignment of Major Kenneth D. Adams as Inspector General on 3 April 1960 (APPENDIX B). This office was conceived during the last

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reporting period. However, it did not function as a Region activity prior to Major Adams' assignment as Inspector General. The mission and functions of the office are contained in Eastern GEEIA Region Manual 20-1, dated 2 June 1960. A narrative of the activities of this office during the reporting is contained in the organization section of this history.

A team composed of the Commander and members of the Staff presented an orientation lecture at Keesler Air Force Base to the students and faculty of the Communications-Electronics Officer Course on 5 May 1960 (APPENDIX C).

The presentation matter consisted of the mission, organization and responsibilities of GEEIA as they pertain to the programming and fulfillment of C-E requirements in support of the mission of the Air Force. It is believed that the presentation was very beneficial to GEEIA from a public relations point of view, offered excellent training material, and was well received by the students and faculty as evidenced by a letter of appreciation from the Commander of the Training Center (APPENDIX D).

During the reporting period, the transfer of Eastern GEEIA Region personnel at Ottawa, Canada to the control of GEEIA Systems Management Office at Ottawa was effected. Two Civil Service Radar Technicians assigned to the Olmsted Branch have been placed on TDY to the GEEIA Systems Management Office to assist in radar site surveys.

On 1 February 1960, the Eastern GEEIA Region assumed operational control of the 2678th GEEIA Squadron located at Olmsted Air Force Base, Pennsylvania. Administrative control of the Squadron was assumed by this Region effective 1 March 1960, at which time the Squadron was deactivated and the mission, personnel, and functions of the Squadron

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were transferred to the 2601st GEEIA Squadron, a subordinate unit of this Region located at Olmsted Air Force Base, Pennsylvania (APPENDIX 8). Guidelines pertaining to the consolidation of these two Squadrons are contained in a letter from Headquarters GEEIA (ROZS), Subject: Consolidation of 2670th GEEIA Squadron With The 2601st GEEIA Squadron, dated 10 February 1960.

An inspection of the Region was performed by the Headquarters GEEIA Inspector General team on 9 thru 11 March 1960.

During the reporting period, an NCO Advisory Council Conference was conducted at the Eastern GEEIA Region Headquarters. Conferees, consisting of the entire Headquarters Council and Chairmen of the four (4) Squadron Councils, met with the Region Commander for a three (3) day period, from 25 thru 27 May 1960. The conference was called by the Region Commander for the purpose of acquainting the conferees with the Region Headquarters, our mission and responsibilities, define the purpose of NCO Councils, and to introduce the conferees to the Headquarters Staff.

The Region Inspector General, Major Kenneth D. Adams, was technical advisor for the GEEIA portion of the script of the film "Eagles Strength." The fourth edition of the film is to be produced by the Air Photographic and Charting Service and they believe that the Eastern GEEIA Region installations teams at Patrick or Eglin Test Ranges will provide good material for the film.

A member of Detachment 3, 4th Weather Group (MATS), Andrews Air Force Base, Maryland, T/Sgt Walter C. Martin located at Brookley Air Force Base on 1 June 1960 for the purpose of liaison with the Eastern GEEIA Region. On 30 June 1960, Sgt Martin was attached to Headquarters,

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Eastern [redacted] Region for administrative and logistic support per General Order 2, Headquarters 2650th Air Base Wing (ADC), Brookley Air Force Base, Alabama, dated 30 June 1960 (APPENDIX F).

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ORGANIZATION

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ORGANIZATION

The changes in the organizational structure, as defined in the previous history of the Eastern GE&IA Region, whereby it was proposed to separate the Personnel and Administrative Services Office into two (2) distinct units and give each Staff Office status, reporting direct to the Commander; and wherein it was proposed that the functions of the Support Division, Directorate of Engineering/Installation Division be transferred to the Engineering Division and Installations Division respectively, was approved by Headquarters GE&IA in December 1959. However, since the Commander desired that further consideration be given the new organizational structure, it did not become operative until 3 April 1960. In the interim, a major change in the Directorate of Engineering/Installation had been approved. The Engineering Division and Installations Division of the Directorate both were given Directorate status, reporting directly to the Region Commander on 3 April 1960 and became operative as such on that date along with the other changes approved by Headquarters, GE&IA in December 1959 (APPENDIX G).

INSPECTOR GENERAL AND QUALITY ASSURANCE OFFICE

Major Kenneth O. Adams was assigned as the Eastern GE&IA Region Inspector General effective 3 April 1960. This assignment was in accordance with GE&IA General Order Number 1, dated 19 April 1960. The mission statement and the organizational chart of the Inspector General

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and Quality Assurance Office is covered in our new [redacted] dated 2 June 1960. During the reporting period, this office participated in the following staff assistance visits: Three (3) at 2560th [redacted] Squadron, two (2) at 2561st [redacted] Squadron, one (1) at 2562nd [redacted] Squadron, two (2) at 2563rd [redacted] Squadron, and two (2) at Patrick Air Force Base. The Inspector General made two TDY trips to Orlando Air Force Base, Florida. On these trips he was a [redacted] technical advisor for the film "Eagles Strength". This film is to be for public consumption and will show what and how the Air Materiel Command contributes to the defense of the free world. A follow-up to the [redacted] Annual Inspection and a staff assistance visit is scheduled for all Eastern [redacted] Squadrons during August 1960.

PLANS AND PROGRAMS DIRECTORATE

The Plans and Programs Directorate is under the supervision of Mr. Thomas F. Harbin. Chiefs of the Divisions are as follows:

Financial Management Division - Christeen B. Amick

Programming Division - F. M. McLain

Management Analysis Division - F. P. Main

Manpower and Organization Division - D. L. McGinty

Programming Division: A significant development during the reporting period is the adoption of a flexowriter tape unit to be utilized in connection with H1 programming in-put data. The basic problem resulted because of the numerous errors that occurred by Statistical Services during the course of punching IBM cards, plus the fact that a considerable

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amount of time is utilized in preparing source documents for Statistical Services. The idea was advanced within [redacted] that a system of card punching should be developed that was totally under control of the Directorate of Plans and Programs. After much research, a system has been developed to allow the [redacted] to be up-dated directly from the marked up copy of [redacted] Form 10, translated into flexowriter 8 channel tape with simultaneous print-out for verification purposes and arrangements have been made to utilize an [redacted] tape to card converter. The system will enable [redacted] personnel to convert by electro-mechanical means all data typed on the flexowriter and reproduce same in the form of [redacted] cards. The [redacted] cards will be fed into Statistical Services in a normal manner. The utilization of this system will reduce administrative workload of [redacted] personnel, plus eliminate the necessity for key punching within Statistical Services. The support provided by Statistical Services in the past has been performed as a result of [redacted] supporting Statistical Services with [redacted] overtime money. It is anticipated that the new system will save the Air Force over-all approximately $17,000 per year. The flexowriter has been [redacted] approved, the order placed with Freden Corporation and the delivery has been promised during the first week in August. It is also anticipated that several weeks will be required to train a flexowriter operator. A target date of 1 September has been established for the fully operational flexowriter system.

Financial Management Division: The Eastern [redacted] Region obligated a total of $10,396,363.31 during FY61 of PA30 funds, $305,004.05 in PA30.1 for scheme materials and $10,091,319.20 in PA37 for installation and

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engineering-installation of C-E technical components. 99.9% of the funds available for obligation were obligated.

Management Analysis Division: Mr. Stephen Prosen was Chief of the Division during the majority of the reporting period. On 1 May 1960, Mr. Paul Main, formerly of the [redacted] Inspector General's Office, became Chief of the Division.

During the period 1 January to 30 June 1960, this Division made remarkable progress toward establishing firm workload requirements and providing the Commander mission and programming elements with a complete monthly analysis of the M-1 Report. The first complete analysis presentation to the Commander and his staff was made during May 1960, and has continued in subsequent months. The presentation consists of graphs and charts and portrays the status of the Eastern [redacted] Region's C-E Program in terms of schemes/manhours, status of programmed workload by Directorates, budget and manpower data, and Directorate workload versus capability. The mission element analysis portrays by division and branch the workload to be accomplished by schemes/manhours, status of schemes and indicates reasons for deviation from the norm. The programming analysis portrays the manhours of work to be accomplished by completion date, method and commodity code for the Engineering and Installation Directorates in order that the Programming Division may schedule workload based upon capability. From this data the Management Analysis Division is assembling and maintaining historical data which may be assembled with minimum effort to depict the Region's accomplishments during any given period.

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Manpower and Organization Division: Reorganization of this Headquarters was accomplished in February and March 1960 and became effective 3 April 1960. Field Office at Patrick Air Force Base, Florida was established the third quarter FY60. Detachment 1 of the 2662nd G.EIA Squadron was established effective 1 March 1960 located at Patrick Air Force Base, Florida, and necessary arrangements were completed for the move of the 2662nd G.EIA Squadron to Patrick Air Force Base, Florida from Mitchel Air Force Base, New York, to be accomplished around 1 July 1960. The consolidation of the 2678th G.EIA Squadron with the 2661st G.EIA Squadron was completed during the third and fourth quarters FY60. Formulation of directives and procedures were accomplished during this period for manpower management and organizational surveys to begin during first quarter FY61.

ADMINISTRATIVE SERVICES OFFICE

Captain Sarah L. Pratt heads the Administrative Services Office, with M/Sgt John P. Baucum the administrative Sergeant Major. The reorganization which was effected during the last reporting period wherein the functions of the office (i.e., records, orders, mail, publications, library, etc.) were allocated to three major Divisions appeared to be working quite well from an economic and efficiency point of view. The three major Divisions are the Correspondence Management Division headed by M/Sgt Steven J. Pappas; the General Services Division, with Susan B. Kelly as Chief; and the Records Management Division supervised by M/Sgt Leo V. Lyons. The problem of the shortage of personnel reported during the last reporting period continues to exist since there have been no

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additional personnel assigned to the office since the last reporting period. This problem was aggravated further by the temporary loss of M/Sgt Pappas, who is presently attending a six (6) months course at the University of Mississippi under Operation "Bootstrap." Despite the handicap of this personnel problem, many projects worthy of recognition were accomplished.

Project Paper Weight, the Air Materiel Command wide effort to reduce records holdings by 25% during the six month period from 1 November 1959 thru 30 April 1960 was a splendid success. On 25 May 1960, the Region Commander announced that this activity attained a 20% records reduction during the project (APPENDIX B). This was a difficult undertaking for the Region due to the fact that we were a comparatively new organization and due to the nature of our mission, which necessitated a buildup of records while at the same time we were required to reduce records of a large volume.

During January 1960, action was initiated by Captain Pratt to have the Region administrative personnel attend the correspondence school conducted by the Base Training Office. Approximately thirty (30) of our administrative type people attended the school which consisted of two (2) hours a day for a two week period. This resulted in a marked improvement in the preparation of correspondence and increased efficiency of operations due to less time being required by Distribution Section personnel in screening correspondence for errors.

A physical move was accomplished by the Administrative Services Office from Building 158 to Building 154 on 5 April 1960.

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During the reporting period, the 2663rd GCIA Squadron assumed the responsibility for preparation of travel orders for their civilian personnel. This action eased the heavy workload of the Region Travel Order Section, allowing more time for orders personnel to attend to items of equal importance but less pressing, such as posting, filing, cataloging, etc.

A Pony circuit teletype machine for receiving incoming messages was installed in the Administrative Services Office during the month of April (See NDIX I). Messages could not be transmitted until a teletype operator was assigned. The following June, the Base Communications Office began rotating operators on a weekly basis to the Region. This resulted in a great savings in manpower and time since messages could be expeditiously transmitted and received on the spot.

Shortage of funds for long distance telephone calls continued to constitute a problem for the Region. However, additional funds were provided in February 1960 which carried us through Fiscal Year 1960 and the remainder of the reporting period.

The Administrative Services Officer and Chief of the General Services Division visited Headquarters GCIA during June 1960 for the purpose of obtaining Headquarters policy and procedures in authorizing and approving TDY travel of all personnel, and particularly TDY travel of CTS personnel. It is felt that much was gained by the visit as many problems concerning the expenditure of travel funds were solved. In addition to the visit to Headquarters GCIA, the Administrative Services Officer released a letter to all the Region TDY approving officials outlining their responsibilities in regards to the expenditure of public funds for TDY (APPENDIX J).

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During the reporting period, M/Sgt Lyons made an administrative visit to 2600th CCIA Squadron at Robins Air Force Base, Georgia for the purpose of discussing administrative problems and to offer assistance to the Squadron.

Notwithstanding the fact that we were somewhat handicapped by the shortage of "Indian" type personnel, operations appeared to move along smoothly, with much being accomplished, possibly due to a "shoulder to the wheel" attitude of the supervisory type people. Many new but applicable functions were either started or expanded upon during this reporting period, some of these being the establishment and maintenance of a Reports Control System, a duty Roster for scheduling military personnel to perform such military duties as Inventory, Mess Count, Burial Details, etc., and more emphasis placed on an improved Commander's Call and Information Services Program.

A fact certainly worthy of recognition is that local Base administrative support has been excellent. Without the fine cooperation which has been shown us by local activities, our mission of administrative support to the Region would have exceedingly difficult.

PERSONNEL OFFICE

During the period of this history, the personnel office performed duties of a normal routine nature. A reorganization occurred during this period within the office.

Because of the added stress placed on Quality Control, the Quality Control Section was initiated with Staff Sergeant Donald E. Buss as NCOIC.

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S/Sgt Buss reported into this Headquarters on 2 March 1960 from the 1947th AACS Squadron, APO 610, New York, New York. Prior to arrival of Sergeant Buss there was no separate section for Quality Control.

Also during this period more emphasis was placed on OJT. This Headquarters appointed 1st Lieutenant Louise L. Groves as Training Officer and T/Sgt Billy F. Grimes as OJT NCO. These people also serve as monitor for the subordinate units. One (1) TDY trip was made during this period to monitor the OJT Program for each of the Squadrons. To date improvement has been noted in the Training Program within the Region. During t is period, approximately nine (9) Airmen have been placed on OJT within this Headquarters. At the close of the period, fourteen (14) Airmen were on training. A major change occurred in the upgrade training regulation AFR 39-4. A Staff Sergeant with a 5 level AFSC may be entered into upgrade training without a vacancy as long as an authorization is on the UMD. This change provides an opportunity for further advancement of an NCO in the Air Force.

The Office also had a change of Personnel Officers during this period. 1st Lt Louise L. Groves assumed the duties of Chief, Personnel Office vice 1st Lt Sam H. Hall on 19 April 1960. Even though Lt Groves was assigned to this Headquarters in December 1959, she was placed on TDY to Squadron Officers School until 19 April 1960. 1st Lt Hall was reassigned to the 2001rd GEEIA Squadron, Brookley Air Force Base, Alabama.

The following is the Manning Status of the Region as of 30 June 1960:

	AUTHORIZED		ASSIGNED	
	OFFICERS	AIRMEN	OFFICERS	AIRMEN
Headquarters	14	52	12	40
2860th GEEIA Squadron	9	260	11	209
2851st GEEIA Squadron	24	360	31	392
2862nd GEEIA Squadron	5	92	5	69
2863rd GEEIA Squadron	9	156	8	136
TOTALS	61	942	67	846

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Even though the personnel crop is only approximately 50% manned, the office operated as effectively and efficiently as possible under the circumstances during the period of this history.

DIRECTORATE OF ENGINEERING

During the early part of the report period, it became increasingly evident that a more definite separation of duties and administrative personnel was needed in the engineering - installation areas. This was a natural growth result and crystalized responsibilities for the functions and mission of engineering and installing C-E facilities in the Eastern CONUS Region.

On 1 April (after several months of studying various proposed Region organizational plans and systems) the Eastern CONUS Region reorganized, and the Directorate of Engineering was established as a separate entity (as compared with the previous Directorate of Engineering/Installation Theory) with specific, detailed responsibilities. A civilian director was appointed at the GS-15 level, with a military deputy and assistant. Three divisions and one staff office comprise the Directorate. These four are discussed in more detail in the forthcoming paragraphs.

The workload, personnel assigned and production output have increased markedly with the additional normal C-E workload, instrumentation workload at Patrick, Air Comm and Radio Interference, etc. Approximately 225 personnel, including civilian, military and CTC, are assigned to the Directorate of Engineering.

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Seven hundred fifty-one schemes were engineered during the report period, compared to the 327 of the last report period.

Review & Standards Office: The Review & Standards Office, with responsibility for insuring the technical adequacy of the engineering effort of the Eastern OCIA Region, was organized in March of 1960 and became operational on the 21st of that month. Since its inception, 530 schemes have been reviewed and approved, 30 interim engineering standards and 23 engineering review comments from Hq OCIA have been reviewed and disseminated. In addition, an Eastern OCIA Regulation effecting feedback from the field of information relative to the adequacy from an installation standpoint of the engineered schemes, has been developed and disseminated. At the present time the work of this office is being accomplished by a committee of eleven engineers from the engineering branches (with this in addition to their normal duties) and chaired by the Chief of the Office.

Support Division: The Support Division was organized consisting of an Administrative and Publications Branch and a Drafting Branch. This remained effective until 1 June 1960, at which time the Drafting Branch was divided into two Branches, Wire Drafting and Electronic Drafting. The drafting output for the combined efforts of the drafting personnel was 2023 drawings, and approximately 330,000 units of reproduction. Total drafting personnel for the six month period was 19 draftsmen, 1 ozalid operator and 5 OJT draftsmen from 2 May thru 30 June.

The Administrative and Publications Branch produced a total of 684 schemes during the report period, which equalled 373 more than the last report period. Personnel assigned has steadily decreased from 14 in

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January to nine at present. For the past two months, echoes mailed out neared the 200 mark. The filing and ordering of copies of drawings was a duty of the Drafting Branch but was assumed by the Administrative Branch during June. A more expeditious means of securing drawings for schemes and more accurate filing system have resulted. The tir-down workload specifications were transferred into administrative Branch for maintenance and distribution.

Special Systems Division: The Special Systems Division was established with responsibility for engineering in support of AFSC, which includes Air Force Missile Test Center, Patrick Air Force Base, Florida; Eglin Gulf Test Range, Eglin Air Force Base, Florida; and the navigational aids and meteorological facilities in Eastern CONUS. Regions geographical area of responsibility. The three branches are organized accordingly; i.e., AMTC Branch, AFSC Branch and Navigational Aids and Meteorological Branch. Engineering has included work in support of programs such as [illegible], [illegible], [illegible], [illegible], [illegible], [illegible] and Navigational Aids transferred from Central Region. Engineering was accomplished on 327 schemes during the report period.

Wire and Electronics Division: The Wire and Electronics Division was established upon Eastern CONUS Region reorganization 1 April 1960. This Division consists of the Commercial Communications, Radio, Government Wire, Guidance and Control, and Olmsted Engineering Branches. (The Olmsted Branch is located in Olmsted Air Force Base, Pennsylvania.) The organization and functions are covered in EOESIA Manual 20-1, dated 20 June 1960. A mission change was effected upon establishment of the OESIA Systems Management Office (SMO) under AFSC Regulation 21-2.

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dated 24 May 1960. The [illegible] office assumed responsibility for the management - implementation of the Canadian portion of the [illegible] program as of that date. The Ottawa Engineering Section of the Guidance and Control Branch has been dissolved. Since its inception on 1 April, 292 schemes were engineered, by the Aire and Electronics Division. (130 schemes are credited to this Division before the re-organization).

DIRECTORATE OF INSTALLATIONS

Major Paul R. Saradik was assigned Chief of the Directorate on 1 July 1960. He replaced Major Allen L. Atwell, who was assigned Deputy Commander on the same date.

The mission of the Installations Directorate is to organize and direct subordinate elements engaged in the implementation of the Eastern [illegible] installations program. Activities include receipt of published schemes from the Directorate of Engineering, coordination with supporting activities and customer commands, preparation of work directives or contracts; work assignment to military or contractor activities; monitoring installation progress; field engineering of necessary changes; inspection and acceptance of completed facilities and plant-in-place record preparation. Major changes in mission and organization since 1 January 1960 have been: Assumption of the Air Comm workload; re-alignment of functions and personnel to accomodate this workload; and elevation from Division to Directorate status.

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To carry out the above mission, the Installations Directorate has two divisions, Technical Division and Operations and Support Division; seven branches, NAV-AIDS, Search and Detection, Outside Plant, Inside Plant and Point-to-Point, Scheduling Branch and Plant-in-Place Branch. Four Eastern GSCIA Installations Squadrons are assigned, these are 2600th, 2601st, 2602nd and the 2603rd.

During the period 1 January 1960 through 30 June 1960, this Directorate successfully assumed the Air Comm workload and the responsibility for workloading approximately 300 additional personnel resulting from the transfer of the 2676th GSCIA Squadron from Headquarters GSCIA to Eastern GSCIA. This transfer caused a considerable decrease in manpower utilization for a short period of time. However, by reducing installation contracts and utilizing organic capability, we now have our squadron personnel fully workloaded. Approximately 750 scheme were installed during this period, 73 of these schemes were installed by contractual means.

Progress, accomplishment and workload have all shown an upward trend during the past six months and all indications are that this trend will continue in the future. July 1960 will bring another re-alignment of resources, this is the pending move of the 2602nd GSCIA Squadron from Mitchel Air Force Base, New York to Patrick Air Force Base, Florida. We expect this Squadron to be fully manned by 1 June 1961, which will reduce TDY costs and increase our capability to accomplish C&S missions at the Cape Canaveral Missile Range.

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DIRECTORATE OF MATERIEL

During the period 1 January through 30 June 1960, Project Count was accomplished. In order for the Directorate of Materiel to accomplish this vast job which consisted of visiting 117 Air Force Bases or stations, over 23 states and 21 overseas bases, we assigned area monitors. These monitors were then assigned the team leaders and counters from our four (4) Squadrons.

The following is a resume of this Project:

a. AOMA forwarded to this Region:

(1) Schemes to be Inventoried	673
(2) Locations to visit	95
(3) Line Items to be Counted	19,059

b. Schemes received from AOMA that were misrouted:

(1) European Region	36
(2) AOMA/ARMC	3
(3) Central Region	2
(4) Western Region	6
(5) Total	51

c. Schemes accounted for:

(1) Schemes inventoried	621
(2) Schemes forwarded to other activities	51
(3) Total Schemes accounted for	672

d. Bases and/or locations:

(1) Visited ZI	117
(2) Reported O/S	21
(3) Total Bases	138

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c. Items counted 21,049

The following is the list of expenditures in manhours and costs:

a. Manhours utilized in Eastern GE IA:

(1) Civilian 1,903

(2) Military 1,956

(3) Total 3,859

b. Number of personnel utilized:

(1) Eastern GE IA Region HQ 19

(2) 2000 GE IA Squadron (APAM) 9

(3) 2001 GE IA Squadron (MIAM) 21

(4) 2002 GE IA Squadron (Mitchel) 3

(5) 2003 GE IA Squadron (MIAM) 10

(6) 2075 Squadron (MIAM) 12

(7) Total 74

c. Approximate manhours expended as a direct result of Project Count:

(1) Regular 3,389

(2) Overtime, including overtime 745 = $2,980.00

(3) Total 4,134

d. Approximate cost in travel, based on average of $100.00 per man, including transportation and per diem: $22,200.00

e. Telephone calls in direct support of Project Count:

(1) Number of calls 48

(2) Cost of total calls $107.15

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This Headquarters along with Headquarters [illegible] during the latter part of April reviewed our program which revealed that approximately 251 C-E schemes were delinquent due to minor item deficiencies. This delinquency constituted a serious problem in that, by necessity, we would be starting the 61 program far short of the established goal. Headquarters [illegible] became greatly concerned over this situation and requested that an over-all effort be made to attain 100% supply completion through the media of local purchase action.

From 15 May to 10 June, 95 Purchase Requests consisting approximately 1300 line items were initiated and processed. At the close of business 30 June, all outstanding Purchase Requests had been completed and processed to accounting for obligation of Appropriated AFOO funds.

During this period the workload of the Supply division considerably increased with no increase to aid in the accomplishment. In January, the mission of the 2662nd [illegible] Squadron was changed, and the Squadron was alerted to prepare for movement from Mitchel Air Force Base to Patrick Air Force Base. This required complete revision of the 2662nd UAL. Three (3) special efforts were required involving many manhours by Region, 2600th, 2601st, and 2662nd personnel before the revised UAL received approval early in June. Receipt of approval was rewarding but the efforts required to obtain approval indicated that proper pre-planning and coordination by all echelons is a must when making a move of this type.

In February, [illegible] UAR 67-1 which governs UAL procedures was revised resulting in about two hundred UAL change requests being processed through the Supply Division during this period. All COLA changes required complete monitoring; correctness of form, accuracy of data, proper justification, etc. In-use reports were received and accomplished during the

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month of March.

Assistance visits were made to all squadrons during January, February, March and April. These visits resulted in better understanding between activities through discussion of policy and problem areas. It was determined that two major problems exist, unavailability of current approved [illegible]'s for justifying [illegible] equipment and lack of funds for local purchase of [illegible] peculiar equipment and supplies. The problem existed in all activities and resulted in various inspection write-ups on excesses and shortages in each activity.

The Interference Reduction, Radiation Hazard and TACAN Peaking Programs received considerable emphasis. Much time was spent coordinating with the Directorate of Engineering refining and defining these packages. Correspondence to the squadrons has resulted in CAL change action for the first two packages above. An equipment status report is being submitted monthly for the Interference Reduction Package.

Unit Supply Branch has had their problems with satisfying the requirements of over 600 people in this Headquarters and two field offices. There are two (2) people assigned to this operation. The authorization records of the Branch have suffered for the lack of a current approved [illegible]; however, a complete physical inventory was completed and posted and all other related records are current.

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SUMMARY

A perusal of this second history of the Eastern Ground Electronics Engineering-Installation Agency Region discloses crystal clear evidence that the Region has contributed in a magnificent manner towards the purpose for which the Ground Electronics Engineering-Installation Agency was conceived - that of a USAF wide single managership for a unified C & C program.

The record reveals that the Region quickly recovered from the impediment of the confusion created by the phasedown from eight to three Regions, while at the same time the Region was still in its infancy. Then too, a major reorganization was accomplished during the reporting period while there was no let up in a continuing heavy workload. As in the case of any history all has not gone smoothly during the era. The Region has encountered its share of obstacles and difficulties - those obstacles particularly associated with a new and still expanding organization, an organization whose functions were still in the somewhat experimental stage.

Notwithstanding the problems the Region has encountered, great progress has been made in accomplishing our mission, and as this history indicates, our progress has been gratifying.

No one knows what the future holds. As history reveals, new problems will be encountered. There is reason to believe that the Region's greatest obstacles have been surmised. Nevertheless, future demands will draw heavily upon our capabilities. However, given the manpower and resources, there is no doubt but that we will get the job done. This may be

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summarized in the words of the Commander, "I can only predict that this Region will continue to grow due to the increasing requirements for complex communications - electronics facilities. We must stay spring loaded for contingencies as they occur."

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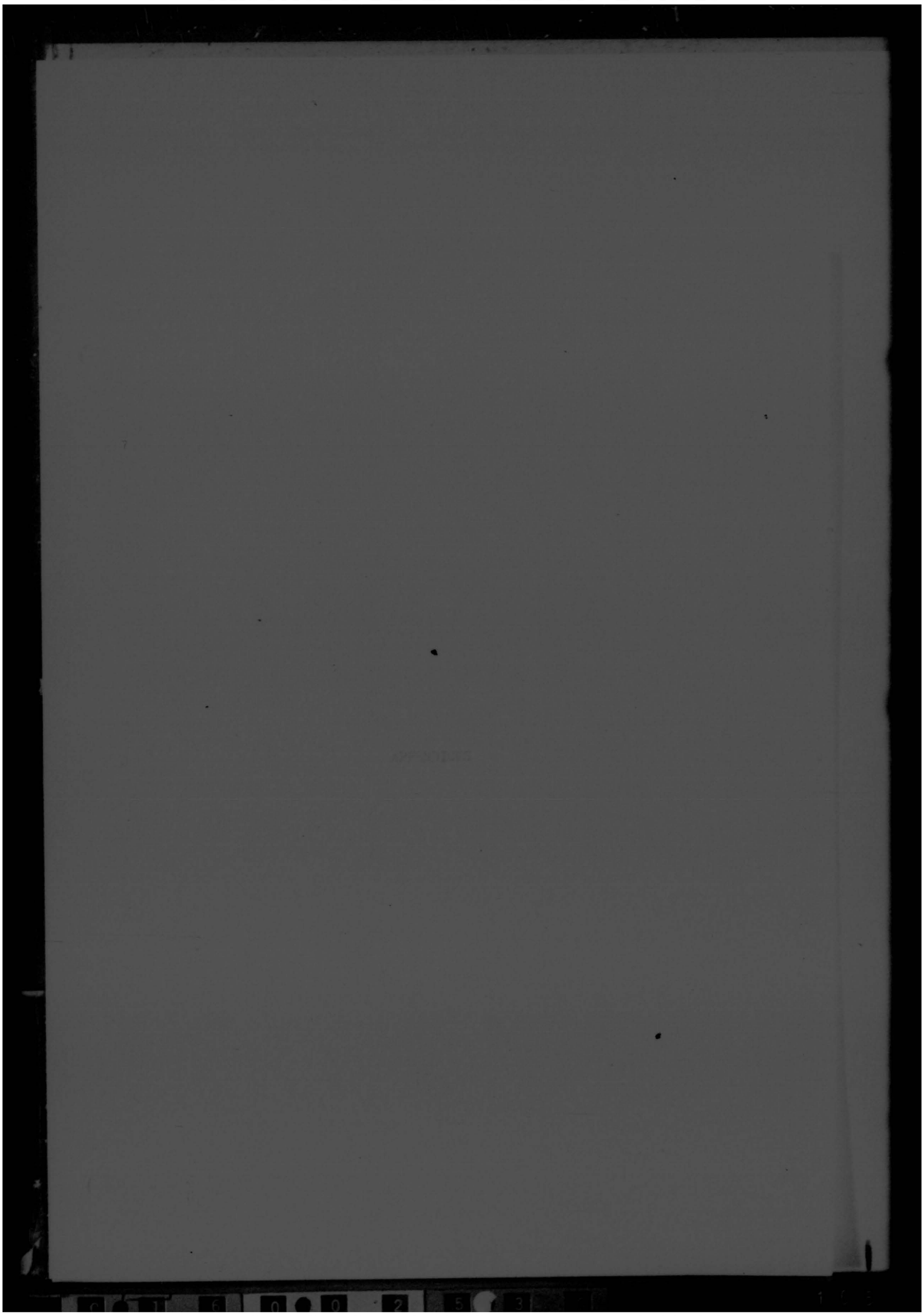

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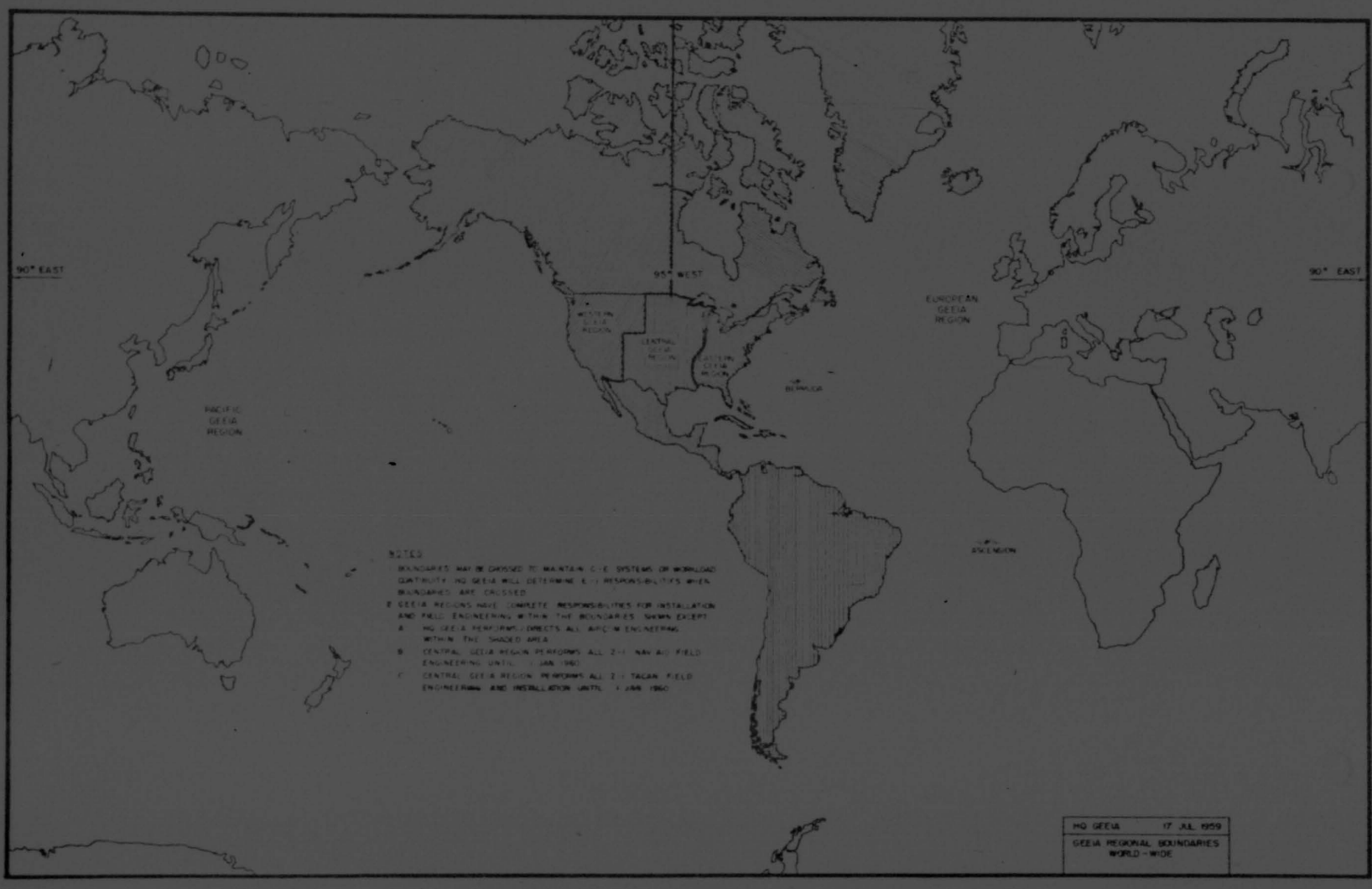

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"GO 4, Hq Eastern GEEIA Rgn, is the last of the series for 1959"

HEADQUARTERS
EASTERN GEEIA REGION (AMC)
United States Air Force
Brookley Air Force Base, Alabama

GENERAL ORDERS)
NUMBER 1)

19 April 1960

B

1. Major KENNETH D ADAMS, 35900A, this Headquarters, is assigned as Inspector General effective 3 April 1960.

2. Major ALLEN L ATWELL, A02035613, this Headquarters, is assigned as Director of Directorate of Installations effective 1 April 1960.

3. 1st Lt LOUISE L GROVES, AL3060171, this Headquarters, is assigned as Chief, Personnel Office, effective 18 April 1960, vice 1st Lt SAM H HALL, A03094372.

FOR THE COMMANDER:

HEADQUARTERS EASTERN GEEIA REGION

SARAH L PRATT
Captain, USAF
Chief, Administrative Services

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Presentation on Eastern GEICA Region at Keesler AFB, Mississippi, 5 May 1960

SUBJECT	PROPOSED PROGRAM Five Speakers	VISUAL AID COVER SHEET	TIME
Introduction	Lt Col Chester F Hawkins		5 Min.
GEICA Overall Program and Historical Sketch	V H Deroux-Dauphin	2 Charts Organizational Geographical	10 "
Programming Total EGE&TAR Organization and Work Flow	Frank Harbin	3 Charts Organizational Flow - 100--2 Logistics Feasibility	15 "
Engineering	Captain H Dillingham	2 Charts Organizational New Developments	10 "
Materiel	Major Grady Lanier	1 Chart Organization and Functions	10 "
Installation	Robert Benedict	4 Charts Map Showing Bases Supported Logistics Feasibility 2 Organizational	10 "
Summary and Moderator Question & Answer Period	V H Deroux-Dauphin	None	30 "

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HEADQUARTERS
3360th TECHNICAL SCHOOL, USAF
KEESLER TECHNICAL TRAINING CENTER (ATC)
UNITED STATES AIR FORCE
KEESLER AIR FORCE BASE, MISSISSIPPI

Reply To
Attn Of: T

13 May 1960

Subject: Appreciation

To: Lt Col Chester Hawkins
Eastern GEEIA Region
Brookley AFB Ala

1. I wish to express my sincere appreciation to you and your staff who participated in the lectures on the Eastern GEEIA Region organization and responsibilities which were presented to the students and faculty of the Communications-Electronics Officer Course, OAR 3011, and the C-E Programming and Budgeting Course, OZR 3011, on 5 May 60.

2. The scope of the material presented gave the personnel in attendance an excellent understanding of how GEEIA is organized and its responsibilities as they pertain to the programming and fulfillment of C-E requirements in support of the mission of the Air Force. I am certain that their appreciation of GEEIA responsibilities has been extended and that the knowledge gained will be of mutual benefit to all concerned. The lectures were extremely well planned, organized and presented. Those in attendance were grateful for the opportunity of receiving a briefing from such a highly qualified and authoritative source.

3. Please accept my thanks and those of my personnel for an excellent contribution to our training program.

/s/ W C Strand

W. C. STRAND
Colonel, USAF
Commander

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HEADQUARTERS
GROUND ELECTRONICS ENGINEERING-INSTALLATION AGENCY
UNITED STATES AIR FORCE
GRIFFISS AIR FORCE BASE, NEW YORK

Reply To
Attn Of: ROZFC 25 February 1960

Subject: Deactivation of GEEIA Squadron

To: All GEEIA Regions and Squadrons

INFO TO: AACS MATS

1. Effective 1 March 1960 the 2678th GEEIA Squadron, Olmsted AFB, Pa., will deactivate and consolidate with the 2601st GEEIA Squadron, Olmsted AFB, Pa.

2. Effective 1 March 1960 all communications for deactivated 2678th Squadr will be directed to 2601st GEEIA Squadron.

FOR THE COMMANDER:

/s/ George R. Charlton
GEORGE R. CHARLTON
Lt Colonel, USAF
Chief, Administrative Services

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HEADQUARTERS
2850TH AIR BASE WING (AMC)
United States Air Force
Brookley Air Force Base, Alabama

GENERAL ORDERS)
NUMBER 2) 30 June 1960

ANNOUNCEMENT OF ATTACHMENT: Personnel assigned Detachment 1, 4th Weather Group (Military Air Transport Service), Andrews Air Force Base, Maryland, with operating location Brookley Air Force Base, Alabama, is attached to Headquarters Eastern Ground Electronics Engineering and Installation Agency, Brookley Air Force Base, Alabama, for administrative and logistic support. This order issued with the concurrence of the Commander, Headquarters Eastern Ground Electronics Engineering and Installation Agency, Brookley Air Force Base, Alabama.

OFFICIAL:

JULIUS C LOWELL
Colonel, USAF
Commander

V P SCHIAVONI
Major, USAF
Chief, Administrative Services

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ORGANIZATION CHART
HEADQUARTERS, EASTERN REGION
GROUND ELECTRONICS ENGINEERING INSTALLATIONS AGENCY (AMC)
BROOKLEY AIR FORCE BASE, ALABAMA

PREPARED 1 MARCH 1960
PREPARED BY MANPWR & ORGN DIV ZMXE
ORGN NO MANPWR & ORGN DIV ZMXE
EFFECTIVE 1 APRIL 1960
APPROVED Christian H. Hansen
OFFICIAL SEAL
COMMANDER

COMMANDER
ZMC 01000

PERSONNEL OFFICE
ZMA 11000

INSPECTOR GENERAL & QUALITY CONTROL
ZMQ 31200

ADMINISTRATIVE SERVICES OFFICE
ZME 41000

CORRESPONDENCE MANAGEMENT DIV
ZMEC 41100

RECORDS MANAGEMENT DIV
ZMEH 41300

GENERAL SERVICES DIVISION
ZMEG 41400

DIRECTORATE OF ENGINEERING
ZMM 44600

REVIEW & STANDARDS OFFICE
ZMMC 44610

AVCS & ELECTRONICS DIVISION
ZMMW 44620

RADIO BRANCH
ZMMWE 44621

GUIDANCE & CONT BRANCH
ZMMWY 44622

GOVT WIRE BRANCH
ZMMWW 44623

COMMERCIAL BRANCH
ZMMWC 44624

OLMSTED BRANCH
ZMMWR 44625

SPECIAL SYSTEMS DIVISION
ZMMX 44630

NAV AIDS MET BRANCH
ZMMXT 44631

ARDC BRANCH
ZMMXA 44632

AEMSC BRANCH
ZMMXM 44633

PATRICK FIELD OFFICE
ZMMXH 44634

SUPPORT DIVISION
ZMMZ 44640

ADMINISTRATIVE BRANCH
ZMMZA 44641

DRAFTING BRANCH
ZMMZD 44642

DIRECTORATE OF INSTALLATIONS
ZMF 44400

OPERATIONS & SUPPORT DIVISION
ZMFS 44410

SCHEDULING BRANCH
ZMFSS 44411

PLANT-IN-PLACE BRANCH
ZMFSA 44412

TECHNICAL DIVISION
ZMFT 44420

SEARCH & DET BRANCH
ZMFTX 44421

NAVAIDS BRANCH
ZMFTN 44422

POINT TO POINT RADIO BRANCH
ZMFTR 44423

LOW WIRE BRANCH
ZMFTP 44424

O/P WIRE BRANCH
ZMFTO 44425

ANG COORDINATION OFFICE
ZMFA 44430

PLANS & PROGRAMMING OFFICE
ZMP 31000

FINANCIAL MANAGEMENT DIVISION
ZMPB 32000

MANAGEMENT ANALYSIS DIVISION
ZMPG 39000

MANPOWER & ORGANIZATION DIVISION
ZMPF 30000

PROGRAMMING DIVISION
ZMPP 31400

ADC PROGRAMMING BRANCH
ZMPPS 31410

RCOM, GAC, TAC & TCC PROGRAMMING BRANCH
ZMPPG 31420

MATS & COMM COMM PROGRAMMING BRANCH
ZMPPT 31430

ARDC PROGRAMMING BRANCH
ZMPPM 31440

DIRECTORATE OF MATERIEL
ZMG 34000

SUPPLY DIVISION
ZMGE 42110

EQ & TRANS BRANCH
ZMGET 42111

UNIT SUPPLY
ZMGES 42112

SCHEME SUPPORT DIVISION
ZMGS 42120

ELECTRONICS BRANCH
ZMGSI 42121

SPECIAL SYSTEMS BRANCH
ZMGSS 42122

2860TH SQUADRON
WEZMY

2861ST SQUADRON
MAZMN

2862ND SQUADRON
MIZMY

2863RD SQUADRON
MOZMX

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HEADQUARTERS
EASTERN GROUND ELECTRONICS ENGINEERING-INSTALLATION AGENCY REGION
UNITED STATES AIR FORCE
BROOKLEY AIR FORCE BASE, ALABAMA

REPLY TO
ATTN OF:

SUBJECT: Project Paper Weight 26 MAY 1960

TO: All Directors, Staff Officers, Chiefs and Commanders
Eastern GEEIA Region

1. I am pleased to announce that the Eastern GEEIA Region surpassed the Air Materiel Command records reduction goal of 25%. The results of the program for this Region were a 28% reduction of records holdings since 1 November 1959, the beginning date of the project.

2. I fully realize that this was a difficult undertaking for the Region due to the fact that we are a new and a technical organization, and the accumulation of many permanent records during our buildup and in the performance of our primary mission is necessary. Further, this task was made doubly difficult because of the requirement to reduce the total of our record holdings on hand as of the beginning of the project by 25%, while at the same time, we were accumulating additional records during the six months period of the project.

3. The results of your efforts speak for themselves. Without the fine team work and splendid cooperation on the part of everyone concerned, it would have been impossible to attain the goal established by AMC.

4. I wish to express my sincere appreciation to all for a fine job well done.

Chester F. Hawkins

CHESTER F HAWKINS
Lt Colonel, USAF
Commander

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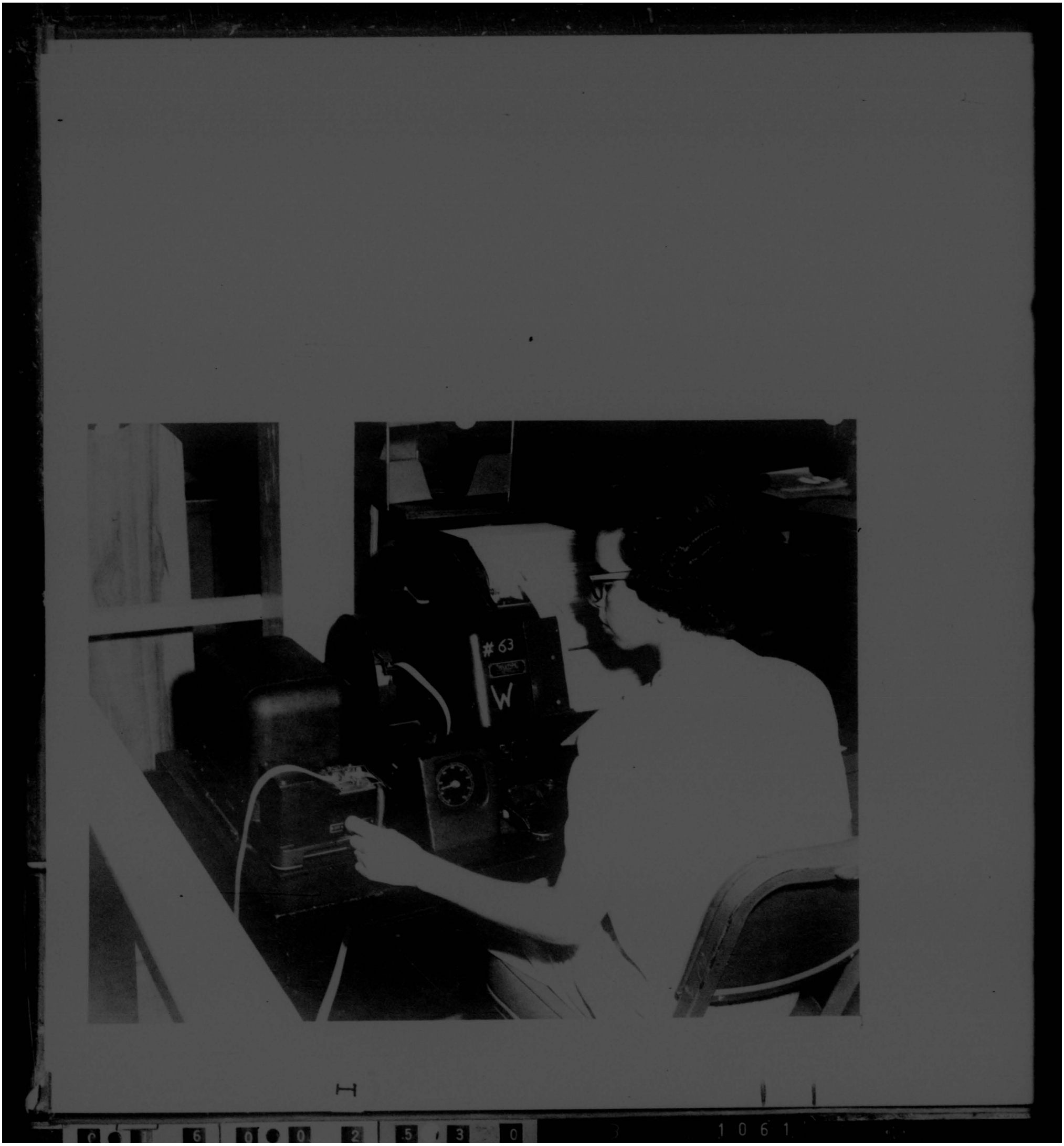

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HEADQUARTERS
EASTERN GROUND ELECTRONICS ENGINEERING-INSTALLATION AGENCY REGION
UNITED STATES AIR FORCE
BROOKLEY AIR FORCE BASE, ALABAMA

REPLY TO ATTN OF: ZmE

SUBJECT: TDY Approval Authority

TO:

1. You are hereby appointed as a TDY approving official. You will be held responsible for all entries made on a request for TDY and forwarded to this office under your signature for publication. This means that you will not only be responsible to the Commander of this organization but you will also be responsible to the Auditor General on his annual inspection. This means that when you place your signature as the approving authority on a request for TDY, you are signing a sworn statement and can be held pecuniarily liable for any entries on that request.

2. This office will no longer require you to submit justification for TRA, U-Drive-It, etc., however, in your own interest it would be wise to retain in your office accurate cost studies and justifications for these more expensive modes of travel. In connection with this, the following factors from Joint Travel Regulations are brought to your attention:

a. On base travel performed while on TDY is not authorized for payment, except in cases where excessive mileage is involved.

b. In figuring cost comparisons, U-Drive-It should not be considered as a part of that cost study. U-Drive-It or rental car can only be considered as an extra and used only when there is no other type of transportation available, or when by cost comparisons there would be a serious loss of productive time.

c. Variations in itineraries are not the same as CIPAP and attached to this letter is the interpretation of variations in itinerary and CIPAP forwarded to us by Headquarters, GEEIA.

d. This office will continue to make overseas travel arrangements as we have in the past, however, it should be pointed out that the only circumstances under which anyone is allowed to travel commercial air is when military air is not available.

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e. Particular attention should be paid to request for travel by CTS personnel since the Air Force must reimburse the company for all travel performed, with the exception of the Philco Company. This does not mean that Philco personnel can travel any way they so desire since obviously any loss the Philco Company takes this year in travel will raise the cost of the next Philco contract.

f. CTS personnel may not be allowed to return to their duty station for coordination. Every time CTS personnel return to this Base they must have a new set of orders.

3. It is requested that you acknowledge receipt and understanding of this letter by indorsement below. This letter will be maintained on permanent file in ZMES. When you depart on extended TDY, or take leave and appoint an acting chief, he will be required to report to this office and sign a similar letter. Effective 20 July 1960, no order will be accepted in this office signed by an approving official who does not have an indorsed copy of this letter on file here.

FOR THE COMMANDER

Sarah L Pratt

SARAH L PRATT
Captain, USAF
Chief, Administrative Services

2 Atch
1. Ltr ROZEGO 25 May 60
Variations in Itinerary
w/1 atch
2. AFL 75-9

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HQ, EASTERN CE IA REGION

ROSTER OF KEY PERSONNEL

30 June 1960

GRADE	NAME	POSITION
Lt Col	Chester F Hawkins	Commander
	PERSONNEL	
1st Lt	Louise L Groves	Chief, Personnel Office
M/Sgt	Russel D Best	Personnel Sergeant Major
S/Sgt	Billy F Grimes	NCOIC, Officer Pers Br
S/Sgt	Donald E Ruse	NCOIC, Quality Control Br
A/1C	Eddie W Manchey	Airman Personnel Br
	ADMINISTRATIVE SERVICES OFFICE	
Capt	Sarah L Pratt	Chief, Administrative Services
M/Sgt	John P Baucum	Regional Sergeant Major
GS-4	Susan T Kelly	Chief, General Services Div
M/Sgt	Leo V Lyons	NCOIC, Records Mgt Div
S/Sgt	Steven J Pappas	NCOIC, Correspondence Mgt Div
	INSPECTOR GENERAL & QUALITY ASSURANCE	
Maj	Kenneth D Adams	Chief, IG & Quality Assurance
	PLANS - PROGRAMMING OFFICE	
GS-13	Thomas F Harbin	Chief, Plans and Programs
GS-12	Patrick H McLain	Chief, Programming Div

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[redacted], EASTERN TEST RANGE, ROSTER OF KEY PERSONNEL (Continued)

GRADE	NAME	POSITION
GS-11	George L McClisky	Chief, Manpower & Orgn Div
GS-11	Paul F Main	Chief, Management Analysis Div
GS-9	Christeen B Avick	Chief, Financial Mgt Div
GS-11	J W Machen	Chief, Ho Comm SAC & TAC Br
GS-11	Morris G Ingram	Chief, Mats & Comm Comm Pgm Br
GS-11	H W Folin	Chief, ADC Programming Br

DIRECTORATE OF MATERIEL

Maj	Grady O Lanier	Director of Materiel
GS-11	Lester B Henry	Chief, Scheme Support Div
GS-9	Elwyn E Jackson	Chief, Electronics Br
M/Sgt	Vernon Carpenter	Chief, Special Systems Br
Capt	Carl H Stefferud	Chief, Supply Div
M/Sgt	Louie C Halbert	Chief, Unit Supply Br
GS-7	Cary Banks	Transportation Officer
T/Sgt	Hurl D Attaway	Equipment Br

DIRECTORATE OF ENGINEERING

GS-14	Lawrence S Halsell, Jr	Director of Engineering
Maj	Billie J Smith	Deputy Director of Engineering
Capt	Harold L Dillingham	Asst Director of Engineering
GS-9	William L Harrison	Chief, Drafting Br
GS-5	Rita G Maisel	Chief, Admin & Pub Br
GS-12	Roy K Eastman	Chief, Review & Standards Office
GS-14	V H Daroux-Dauphin	Chief, Wire & Electronics Div

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GRADE	NAME	POSITION
GS-12	Cecil O Harvell	Chief, Commercial Comm Br
GS-13	Oscar G Mahan	Chief, Radio Br
GS-12	Charles F Knoebel	Air Communications Sec
GS-12	B J Burgess	Acting Chief, Radiation & Int Sec
GS-13	Thomas H Burnett, Jr	Chief, Guidance & Control Br
GS-12	Daniel A Partridge	Ground-Air Control Sec
GS-12	Lee P Hale	Search & Detection Sec
GS-12	Minslee Taylor	Chief, Ottawa Detachment
GS-13	William P Edmondson	Chief, Government Wire Br
GS-12	Norman K O'Connor	Chief, Section 9
GS-12	John A Helmer	Chief, Section 10
GS-12	David L Hogan	Chief, Section 11
GS-13	James C Brown	Chief, Special Systems Div
GS-12	James B Murphy	Acting Chief, AFNCC Br
GS-12	Warren F Gunter	Chief, Section 27
GS-12	Leonard G Phillips	Chief, Section 25
GS-13	Robert L Lacey	Chief, AFNCC Br
GS-12	John T O'Brien	Chief, Radio Sec
GS-12	Ali N Painter	Chief, Wire Sec
GS-12	Stanley I Reither	Chief, Instrumentation Sec
GS-13	James F Rush	Chief, Nav Aids & Met Br
GS-12	Alvaro J Anador	Chief, Meteorology Sec
GS-12	Elmo M Cronk	Chief, Air Traffic Control Sec
Philco Contr Technician	Edward F Edmonds	Acting Chief, En-Route Nav Aids Sec

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HQ, EASTERN OMEGA REGION, ROSTER OF KEY PERSONNEL (Continued)

NAME	GRADE	POSITION
	DIRECTORATE OF INSTALLATIONS	
Maj	Allen L Atwell	Director of Installations
Capt	Paul R Marsdik	Chief, Operations & Support Div
GS-7	James R Strange	Chief, Plant-in-Place Br
GS-11	Robert C Benedict	Chief, Scheduling Br
GS-13	J L Prewitt	Chief, Technical Div
GS-12	Rone L Negus	Chief, Outside Plant Wire Br
GS-12	Harold R Webster	Chief, Inside Plant Wire Br
GS-12	Troy Thacker	Chief, Search & Detection Br
GS-12	Dewitt H Smith	Chief, NAVAIDS Br
GS-11	Vernon Durhams	Actg Chief, Point-to-Point Radio Br
SM/Sgt	Philip G Garland	Chief, ANJ Coordination Office

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SEMIANNUAL HISTORICAL REPORT	REPORT CONTROL SYMBOL AU-DF

1. NAME OF UNIT	2. LOCATION	3.
2863RD GEEIARON	Brookley AFB, Alabama	FROM 1 Jan 60 THROUGH 30Jun60

4. NAME AND LOCATION OF NEXT HIGHER HEADQUARTERS

Headquarters, Eastern GEEIA Region
Brookley Air Force Base, Alabama

5. PERSONNEL STRENGTH (Last day of reporting period)

	OFFICERS	AIRMEN	CIVILIAN	TOTAL
AUTHORIZED	9	158	116	283
ASSIGNED	8	136	124	268
ATTACHED				

6. STATEMENT OF MISSION INCLUDING CHANGES (Continue on separate sheet)

Responsible to the Commander, Eastern GEEIA Region for the installation of fixed C&E equipment as directed, including but not limited to fixed radio, radar, inside and outside plant telephone equipment. Responsible to insure the training of military and civilian personnel assigned to the squadron. Responsible for normal command functions of the organization. Responsible for administrative support of all personnel assigned or attached to the squadron.

7. ORGANIZATIONAL CHANGES INCLUDING REASONS FOR CHANGE (Continue on separate sheet)

None

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8. ADMINISTRATIVE PROGRESS AND PROBLEMS (Continue on separate sheet)

Many of the administrative problems were solved during the period of the report. Personnel that were surplus from changes in UMD authorizations at the time of activation were disposed of through attrition and reassignment. Two problem areas remain. One of these is the lack of both quantity and quality of personnel and administrative personnel assigned to this organization. As of 30 June these two fields were 60% manned. The other problem that began during this period is the lack of personnel reenlisting in the 36140 field. From all indications this will turn into a major manning problem for this unit during the next 6 months.

During this period Major Leonard E. Fitzgerald was assigned as Commander. (See attached key personnel roster).

9. MISSION PROGRESS AND PROBLEMS

The period of this report shows over a 100% increase in scheme completion over the last period. The increase was from 80 schemes completed from 1 June to 31 December 59 to 177 for the period 1 Jan 60 to 30 June 60. Personnel utilization for the latter period was 118,749 manhours. Manhour utilization has been steadily increasing since March 1960.

One of the major problems encountered during this reporting period was work stoppage caused by lack of material. As of 30 June there were 23 schemes suspended due to material work stoppage and 17 schemes not started for the same reason.

This squadron was given the requirment to establish two (2) Frequency Monitoring Interference Control teams and SAGE Peaking teams. Due to the lack of proper equipment the Directorate of Installation Eastern GEEIA Region has relieved the squadron of this responsibility. Every effort was made to obtain the necessary test equipment to perform this mission. As of 30 June 60, enough equipment has been procured to perform SAGE Peaking on a majority of the sets installed by this unit. However, the special purpose van that was on loan to the Eastern Region has not been released to the squadron.

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9 CONTINUED (Continue on separate sheet)

10 ADDITIONAL REQUIREMENTS (Continue on separate sheet)

11 LIST OF SUPPORTING DOCUMENTS (Continue on separate sheet)

A. [redacted]

B. ORGANIZATION CHARTS

C. [redacted]

D. [redacted]

E. ROSTER OF KEY PERSONNEL (Include position and date assigned)

PREPARED BY	APPROVED BY
Sam H Hall	L E Fitzgerald
SAM H HALL, 1st Lt, USAF, Personnel Officer	L. E. FITZGERALD, Major, USAF, Commander

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ROSTER OF KEY PERSONNEL

as of 30 Jun 60

NAME	POSITION	DATE ASSIGNED
Major Leonard E. Fitzgerald	Squadron Commander	15 Jun 60
Captain Miron Sky	Supply Officer	5 May 57
Captain Lewis A. Thomas	Operations Officer	9 Nov 59
1st Lt Jorge R. Duque	Asst Operations Officer	1 May 59
1st Lt Sam H. Hall	Pers & Admin Officer	25 Apr 60
1st Lt Bruce L. Kapitzke	Outside Plant Flt Comdr	25 Nov 59
1st Lt Marvin D. Ganote	Radio Flight Commander	2 Aug 59
Mr. Henry W. Smith	General Foreman	1 Nov 59
M/Sgt Raymond F. Gamer	First Sergeant	10 Apr 60

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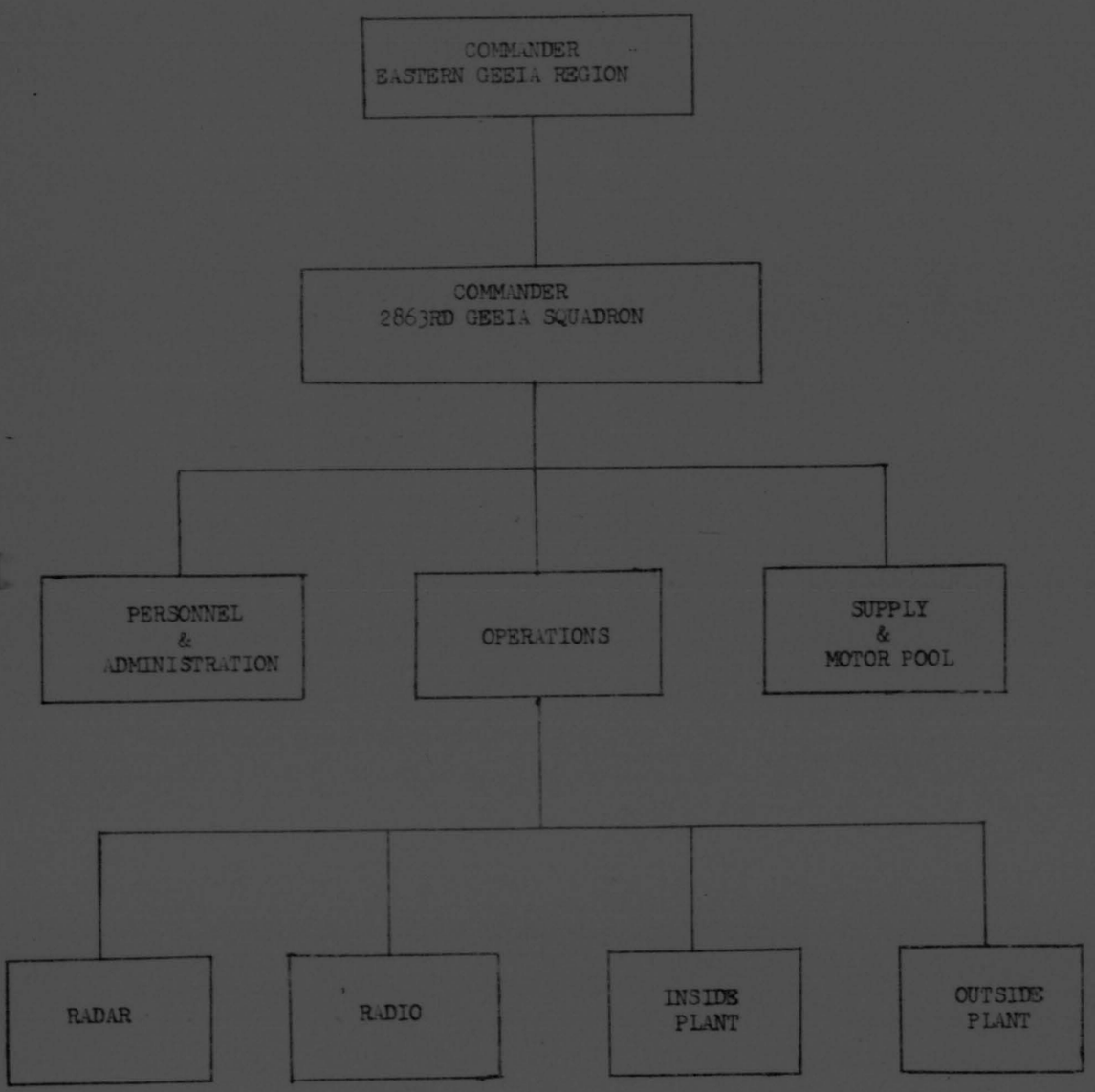

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..MIANNUAL HISTORICAL REPORT

REPORTS CONTROL SYMBOL: AU-D5

1 NAME OF UNIT	2 LOCATION	3 FROM / THROUGH
2862D GEEIA SQUADRON (AMC)	MITCHEL AIR FORCE BASE, N.Y.	FROM 1 Jan 60 THROUGH 30 Jun 60

4 NAME AND LOCATION OF NEXT HIGHER HEADQUARTERS

EASTERN GEEIA REGION
Brookley Air Force Base, Alabama

5 PERSONNEL STRENGTH (Last day of reporting period)

	OFFICERS	AIRMEN	CIVILIAN	TOTAL
AUTHORIZED	5	87	0	92
ASSIGNED	5	69	0	74
ATTACHED	1	0	0	1

6 STATEMENT OF MISSION INCLUDING CHANGES (Continue on separate sheet)

The 2862nd GEEIA Squadron is one of four squadrons responsible for the installation of all USAF Ground Electronics facilities in the Eastern GEEIA Region. This region includes the United States east of the Mississippi River, Canada east of the 95th Merridian, the North Atlantic, Bermuda and the missle test ranges at Cape Canaveral and Eglin AFB, Florida.

7 ORGANIZATIONAL CHANGES INCLUDING REASONS FOR CHANGE (Continue on separate sheet)

None

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8 ADMINISTRATIVE PROGRESS AND PROBLEMS (Continue on separate sheet)

1. The administrative section continued to operate without the benefit of clerks (70250). To alleviate this situation airmen from the radar and rigger sections were used in the capacity of clerks.

2. Thirty Two (32) airmen were discharged during the month of June 60, due to the unit's pending move to Patrick AFB, Florida in July. Despite the shortage of clerks, no difficulty was encountered.

9 MISSION PROGRESS AND PROBLEMS

Suffolk Tacan:	49-C1-VF07-4A05A-N-2243-0662A8-D
Westover Cabling:	160-SAC-XM74-B0011-AMCMA-029A8
Andrews Cabling:	460-HQC-AS57-B0011-AMCMA-001A8
Pease Cabling:	458-AWS-RG81-2277-MA-279A7
Hanscom Tacan:	00-H1-IU07-0000000-N-2243-0716A9-D
Clinton County:	WD-00-M1-EG31-000-BooH-0015-WOD
Pease GMQ-10:	458-AWS-RG81-2277-MA-279A7
GMQ-13:	260-AWS-RG81-2278-MA-42A7
Keflavik Radar H-1, H-2:	55-MTO-2-AMCMA-1-HT
	55-MTO-3-AMCMA-3-HT

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9 CONTINUED (Continue on separate sheet)

Kindley Telephone	
Leverett TVOR	
Shaw TTY	CE56-TAC-SSC-AACS-13PP
Bakalar TTY	CE56-CNC-CIU-AACS-7-PP
Leverett TVOR	CE-57-SAC-CEE-AACS-17RV
North Truro CPS-6B	20-C1-PD74-X-1103-388RO-B
Selfridge TACAN	49-C1-TV07-4A05A-2243-0970A8
Langley AFB, Va.	Two (2) men left as caretakers, replaced
MPN-11	10 June 60 by four (4) men from 2860th GEEIA Squadron.

All jobs in progress as of 30 May were turned over to the 2861st GEEIA Squadron for completion

10 ADDITIONAL REQUIREMENTS (Continue on separate sheet)

None

11 LIST OF SUPPORTING DOCUMENTS (Continue on separate sheet)

A. GENERAL ORDERS
B. ORGANIZATION CHARTS
C. MISSION DIRECTIVES
D. VITAL STATISTICS
E. ROSTER OF KEY PERSONNEL (Include position and date assigned)

PREPARED BY	APPROVED BY
ROBERT S. IZAT, Capt., USAF	ROBERT S. IZAT, Capt., USAF

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Key Personnel

Captain	Robert S. Izat	Commander
1st Lt	James R. Hedberg	Inst'l & Supply Officer
1st Lt	William J. Miller Jr.	Commander Detachment 1, 2862nd GEEIA Sq Patrick AFB, Florida
MSgt	Herman M. Adkins	First Sergeant
TSgt	Joseph J. Pfleger	NCOIC, Supply Section

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SEMIANNUAL HISTORICAL REPORT

REPORTS CONTROL SYMBOL: AU-05

1. NAME OF UNIT: 2861st GEEIA Squadron, AMC

2. LOCATION: Olmsted Air Force Base, Middletown, Pennsylvania

3. FROM 1Jan60 THROUGH 30Jun60

4. NAME AND LOCATION OF NEXT HIGHER HEADQUARTERS

Eastern GEEIA Region, AMC, Brookley Air Force Base, Mobile, Alabama

5. PERSONNEL STRENGTH (Last day of reporting period)

	OFFICERS	AIRMEN	CIVILIAN	TOTAL
AUTHORIZED	25	380	22	427
ASSIGNED	21	392	15	428
ATTACHED	0	2	0	2

6. STATEMENT OF MISSION INCLUDING CHANGES (Continue on separate sheet)

The mission of the 2861st GEEIA Squadron is to install, modernize, modify and remove Air Force ground C-E equipment and systems within the designated geographical boundaries as directed by higher headquarters.

7. ORGANIZATIONAL CHANGES INCLUDING REASONS FOR CHANGE (Continue on separate sheet)

Between 1 January 1960 and 19 February 1960 there were no significant changes in the structure of the organization. All changes were held in abeyance pending the merger of the 2878th GEEIA Squadron and the 2861st GEEIA Squadron.

The merger of the squadrons became effective 1 March 1960 upon the discontinuance of the 2878th GEEIA Squadron as ordered by General Order Number 13, Headquarters Air Materiel Command, dated 5 February 1960. Reorganization as planned called for four major divisions; Personnel and Administration Division, Operations Division, Management Division, and Supply and Transportation Division. Division breakdowns are shown on the functional charts attached to this history. The reason for the major changes in the structure is evident in view of the increased manpower.

Effective 19 February 1960, Captain Eugene E. Brown, having been the commander of the 2878th GEEIA Squadron and being the ranking officer assigned to the 2861st GEEIA Squadron, assumed command vice Captain Edward A. Polite. Special Order A-6, 2861st GEEIA Squadron, dated 19 February 1960 is attached.

(Continued on Separate Page Number 1)

AMC FORM SEP 58 268

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8. ADMINISTRATIVE PROGRE[SS] AND PROBLEMS (Continue on separate sheet)

Between the perio[d] 1 January 1960 and 1 March 1960, the Personnel and Administrative Division was limited to routine actions and the preparation for the consolidation of the 2878th GEEIA Squadron and 2861st GEEIA Squadron.

During that period, the unit was inspected by a representative from Headquarters MAAMA. The subject of the inspection covered "Deficiencies in Airman Quality Control". The purpose of the inspection was to determin if policy and procedural directives pertaining to Airman Quality Control were being complied with. The deficiencies noted pertained to the OJT program and the maintaining of Retention Interviews. In the report of investigation, a recommendation was made to appoint an OJT officer to reorganize and conduct the OJT program in accordance with existing directives. An officer was appointed by the unit commander as OJT program officer and the estimated date of completion of the project was set at 20 March 1960. The project progressed rapidly, however, due to the consolidation of the squadrons on 1 March 1960, the project was dropped and all records incorporated into the program already established by the 2878th GEEIA Squadron. For further information see the training element of this history.

On or about 3 February 1960, plans were drawn for the consolidation of the units. The plan for the Personnel and Administration Division was excellent, however, the movement date scheduled for 1 March 1960 was advanced to 19 February 1960, thereby effecting the plan to the extent that it became useless. Though the plan in it's entirety was inadequate, certain segments were adopted including the combining of administrative files, destruction of obsolete classified material, and office procedures.

A manpower management survey was conducted by representatives from Headquarters GEEIA covering the subjects of directed mission, assumed missions, SOPs, current organization and functional charts, installation manhours available and expended, percentage of productive work and various other subjects not directly associated with the Personnel and Administration Division. The purpose of the survey was to assist in achieving optimum utilization of available resources for the merger of the squadrons. A letter, dated 10 February 1960 from Headquarters GEEIA was received requesting documents be prepared on the subjects mentioned prior to the intended date of the survey. The survey was conducted successfully during the period 15 February 1960 and 19 February 1960. As a result of the survey, much information was obtained by each squadron which was of great value at the time of the consolidation.

During the survey, it was determined the location of the consolidated Personnel and Administration Division would be in Building T-138. (Continued on Separate Page #1)

9. MISSION PROGRESS AND PROBLEMS

The accomplishment of the mission and problems effecting the mission are recorded by division. The history for this reporting period includes information compiled from factual records and reports.

OPERATIONS DIVISION: Upon completion of the merger of the two squadrons in February 1960, this division was organized to consist of three branches; Radio Branch, Wire Branch, and Radar Branch. The division is responsible for accomplishing all C-E schemes assigned to this squadron by Headquarters Eastern GEEIA Region. The history, as follows, is broken down by branch and section.

Radio Branch: This branch was formed by combining all skills in the 304XX career field. The total strength of the branch was 7 officers and 188 airmen, however, the strength has reduced to 4 officers and 156 airmen due to discharges and reassignments.

The overall responsibility for completion of the AIRCOM installations is delegated to this branch. The branch consists of two sections; Point-to-point Section and Navaids Section. The Point-to-point Section is responsible. (Continued on Separate Page & Page 3 of this form)

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9. CONTINUED (Continue on separate sheet)

for AIRCOM installation. The Navaids Section is responsible for all other radio workload.

This branch has accomplished the following during this reporting period: 1 installation of Headquarters USAFSS communications center, Pentagon, 1 RAPCON removal, 1 RAPCON installation, 1 ILS installation, 2 ILS removals, 10 AC&W multicoupler installations, 2 TACAN installations, 2 AM 864 amplifier installations, and 1 each CEI equipment, Link Data transmitter, and Control Tower removal.

In progress are four schemes located at Dhahran, Saudi Arabia; Peshawar, Pakistan; Ramey, Puerto Rico; and Kindley, Bermuda. Teams are on location at Dhahran, Peshawar, and Ramey, and should complete the jobs in the first half of fiscal year 1961. The Kindley AIRCOM installation is at a work stoppage awaiting further supplies. It is estimated that this installation can be completed within 4 months after arrival of all materials at the site.

At present, team strength consists of 1 officer and 25 installers at Dhahran, 1 officer and 20 installers at Ramey, and 1 officer and 22 installers at Peshwar. In addition, a team of 40 installers are now at Patrick AFB, Florida engaged in support of Eastern GEEIA Region's effort at Cape Canaveral. Workload has consisted largely of installation and expansion of PA systems in and around the missile launching complexes. The team arrived at Patrick on 20 April 1960 and is expected to return about 1 September 1960.

Problems which the brandh has encountered have been a direct result of supply shortages, unrealistic installation suspense dates, and occassionally, insufficient or inaccurate engineering data. Many manhours have been lost by teams while waiting for scheme shortages or waiting for engineering assistance in the field. Improved material monitoring and engineering would greatly increase the capability of this branch. Advance scheduling of jobs would eliminate "Crash" projects and make possible more efficient utilization of personnel.

(Continued on Separate Page Number 3)

10. ADDITIONAL REQUIREMENTS (Continue on separate sheet)

11. LIST OF SUPPORTING DOCUMENTS (Continue on separate sheet)

A. GENERAL ORDERS
B. ORGANIZATION CHARTS
C. MISSION DIRECTIVES
D. VITAL STATISTICS
E. ROSTER OF KEY PERSONNEL (Include position and date assigned)

PREPARED BY

ERNEST A. SEBASTIAN, CAPT, USAF, Chief, P~~A Division~~

APPROVED BY

FRANK H. MCQUAID, MAJ, USAF, COMMANDER

AF-WP-O-SEP 58 8,200

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Continuation of Items, AF Form 268, Semiannual Historical Report, 2861st GEELA Squadron, Olmsted AFB, Pennsylvania for Period from 1 Jan 60 to 30 Jun 60

Item 7 - Organizational Changes Including Reasons for Change

Effective 1 April 1960, Major Frank H. McQuaid, was assigned to the unit and assumed command vice Captain Eugene E. Brown. Special Order A-19, 2861st GEELA Squadron, dated 1 April 1960 is attached.

Item 8 - Administrative Progress and Problems

from Building T-159 was effected on 18 February 1960. The movement was made with minimum effort and completed before noon of that day. The Division was completely operational before the day ended.

On 19 February 1960, work commenced on consolidating files and incorporating office procedures as called for in the consolidation plan. Consolidation of files was a routine task, however, problems in office procedures were numerous. The outstanding problems were limited to individual job assignments. By the 1st of March 1960, the effective date of discontinuance of the 2878th GEELA Squadron, most of the problems were resolved.

After 1 March 1960, the 2861st Personnel and Administration Division became a most productive force. During the period from 1 March 1960 through 1 May 1960, the Division operated as two sections under one title. The Personnel Section was organized and operated by an NCOIC, AFSC 73270 and the Administration Section by an NCOIC, AFSC 70270. Both sections worked in close coordination but without harmony. Work was being accomplished effectively and efficiently, however, there remained a state of confusion. In some cases, one individual would be burdened and another slighted.

On approximately 25 April 1960, circumstances forced the Division to reorganize and assign the responsibility of both Personnel and Administrative Sections to one NCOIC, AFSC 73270. After a short period of time, it was found that this arrangement was more effective and promoted better harmony. As a result of the change, policies were established quicker and the work load was evenly distributed. For the most part, the Division became a well organized team, and it was decided that the Division would remain under the supervision of one NCOIC.

Though conditions were somewhat perplexed, the "Commanders NCO Advisory Council" was established and the "Non-Commissioned Officer and Airman of the Month and Quarter Program" were organized. (See SOP #17 and #19 attached)

As the Division progressed, it was necessary to establish various policies, procedures and systems. The Division set up systems on a trial basis for the accomplishment of various duties and providing the systems proved effective, they were adopted and published in the form of Standard Operating Procedures. One of the first Procedures established pertains to the preparation of Airman Performance Reports, AF Form 75 (See SOP #9 attached).

In view of the fact that personnel assigned this unit perform duty under various OICs, NCOICs, etc., during one reporting period, it was necessary to publish SOP #9 governing the preparation of performance reports.

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Item 8 - A factor which always presents a problem is morale, and in a unit of GEEIA where personnel are constantly arriving from and departing on TDY, current information is one of the best morale builders. Based on this theory, another policy was put to trial in June 1960. The policy established involved preparation of a newsletter to be distributed to all personnel of the unit. The letter consisted of current news, pertaining to all personnel and of interest to each individual. The reception the letter received in the field by our personnel indicated a definite need for more letters of this type. Further investigation of the idea brought about the publication of SOP #20, dated 15 June 1960 which provides a guide for personnel assigned duties connected with the publication of a squadron newsletter to be published once each month. (See SOP #20 and current copy of newsletter, attached)

Several problems were noted in processing airmen departing on or returning from TDY or Leave. An investigation of the problems by personnel of this Division revealed that too many personnel were misunderstanding oral instructions resulting in unnecessary delays in processing. A letter of instructions was prepared and SOP #22, dated 20 June 1960 was written, establishing a policy to provide personnel with detailed instructions on paper to avoid or minimize delays. (See attached SOP #20 and Letters of Instruction)

A similar problem existed with newly assigned personnel. Another letter of instructions has been prepared and the SOP governing the letter is in draft stage. (See attached Letter of Instuctions for Incoming Personnel)

Beginning with the Fiscal Year 1961, the Division is planning to initiate a set of Office Instructions Letters governing Division systems of operation and including individual job descriptions for each authorized position. This is another method being established to improve upon the present organization of the Division.

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Item 9 - Mission Progress and Problems (Operations Division Continued)

The average figures given in the preceeding paragraph represent 63% or more utilization. The Wire Branch completed approximately 51 wire construction projects (O/P), expending approximately 89,600 manhours, 3 AIRCOM projects, expending approximately 21,200 manhours, and 19 inside plant schemes expending approximately 11,200 manhours.

The problem of material shortages seems to be a perennial problem in the areas of construction for almost all assigned schemes. Through utilization of our Management Division, there has been progress in local purchase of items required and advancing scheme progress. Another problem experienced involves insufficient availability of P437 funds to procure materials.

It has been noted that several problems exist concerning scheme packages. The outstanding problems are; several schemes transmitted from Eastern GEEIA Region arrived in the unit on the same date as the target date for the scheme, estimated manhours have been unrealistic in so far as amounts listed, scheme brochures and drawings did not list cutting lengths of cables thereby making it impossible to utilize cables ordered by reel lengths. An approved UMD is needed for procurement of UAL and ECL equipment to alleviate the problem of shortages of tools and vehicles.

Radar Branch: The mission of the Radar Branch is to install, modify, relocate, dismantle, and remove ground radar equipment and ancillary items. In the accomplishment of our mission, the branch has completed the following: Highlands AFS, N. J., Relocated SIF facility; modified GPA 23 & 34; relocated PPI scopes; removed AB-397 tower; and removed FPS-8. Lake City AFS, Tennessee, Relocated AN/FPS-6. Keesler AFB, Mississippi, Installed GPX-18A. Lockport AFS, New York, Removed CPS-6B, modified AN/FPA-23 and GPA-34, installed data transferring switch. Caswell AFS, Maine, Reomved CPS-8, removed Arctic Tower AB-451. Texas Towers, Removed GPA-37, installed AT-309, and radar antenna.

Schemes now in the process of being completed are: Marblehead AFS, Ohio, Installation of AN/FPS-18, installation of AB-258 tower. Pedrick town AFS, New Jersey, Installation of GPS-3, installation of MPS-14, installation of AB-397 tower. Brookfield, Ohio, Removal of GPA-37, removal of AO-1044, removal of FPS-6, removal of OA 840/GPX-7a decoder group. Oakdale AFS, Pa., Installation of AN/GPS-T2. Saratoga AFS, New York, Removal of AN/GPA-37. Ft Heath, Mass., Installation of FPS-6, installation of GPA-37, installation of ancillary items.

Due to shortage of radar personnel as compared to the formidable workload, we are using airmen from the Wire and Radio Branches to help accomplish the required schemes. The branch has furnished radar squadrons, AC&W Squadrons, and Army Missile Masters with its services.

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Item 9 - Mission Progress and Problems

Management Division: The Management Division is responsible to the unit Commander for long range planning of manpower, funding and logistics in support of the Squadron Mission. The Division also controlls and accounts for the squadron operational funds, monitored and expedited C-E scheme action, and quality standards and training. The structure of the Division was changed in February 1960. The Division is operated with two branches, Training Branch and Mission Support Branch. The Training Branch is fyrther divided into four sections, School Section, OJT Section, Air National Guard Advisory Section and Ground Safety Section. The Mission Support Branch is divided into four sections, Funding Section, Manpower Section, and Material Monitoring Section. See the attached "Organizational Structure, Management Division" which outlines the revised arrangement.

Training Branch:

School Section: During this reporting period, 51 NCOs and airmen satisfactorily completed the Inside Plant Installation Course. An abbreviated course of 27 hours duration covering only the high points of installation was given 5 officers between the period from 18 April to 9 May 1960. A cable splicing helper course of 3 weeks duration, with 9 students enrolled was conducted from 16 May through 3 June 1960. This was to alleviate an immediate problem created by a workload incompatable with manning in the cable splicing area. Personnel in the 361X0 field were given this short course of training to enable them to render as much assistance as possible to the cable splicers. A 10 hour course in First Aid was a regular part of the Inside Plant and Outside Plant courses. The course was conducted by the Office of Health Director of Olmsted AFS and was presented in two hours sessions for five days. Combining of the squadrons resulted in a need for an expanded training program. The mission of the squadron now covers Outside Plant Telephone systems as well as Aircomsys. Installation training personnel have been preparing material needed to cover this area and to extend the next Outside Plant Class to include training in aerial and underground cable construction.

On-the-Job-Training Section: The OJT NCO is responsible to establish procedures with other sections in the squadron and the base training agency for monitoring individual training, testing and up-grading. The figures in the following table indicates the OJT activity during this reporting period.

Month	Total No. on OJT	Tested	Upgraded
January	45	4	2
February	65	7	1
March	64	0	2
April	64	3	4
May	62	3	1
June	64	0	0

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Item 9 - Mission Progress and Problems (Management Division Continued)

Air National Guard Advisory Section: The mission of this section consists of administration and technical assistance. At the start of 1960, this section has been responsible lending advisory assistance to three ANG units, 211th GEEIA Squadron (ANG), Pennsylvania, 212th GEEIA Squadron (ANG), Massachusetts, and 243rd GEEIA Squadron (ANG), Maine. The 243rd GEEIA Squadron became the responsibility of the 2878th GEEIA Squadron, effective 15 February 1960 as ordered on Special Order Number B-25, Headquarters Eastern GEEIA Region: and upon discontinuance of the 2878th, the responsibility was transferred to the 2861st GEEIA Squadron on 1 March 1960.

In the accomplishment of the mission, quarterly advisory visits were conducted to each unit. The visits entailed reviewing personnel and administrative records, shot records, training records, mobilization plans, alert plans and movement plans. With a few exceptions, all were found to be current and complete. A copy of one visit report is attached as an example of the results of the quarterly visits.

Prior to the Summer Encampment scheduled for the units, the Advisory Team held meetings with each unit on the schemes to be installed. The units were instructed on the GEEIA concept of standard installation practices. On the 11th of June 1960, the 211th GEEIA Squadron (ANG), Pennsylvania and the 243rd GEEIA Squadron (ANG), Maine started their two week summer encampment. The 211th set up operation at Langley AFB, Virginia to install C-E Scheme 0248A9 and 046A9, involving installation of additional cable facilities and ancillary items. Segments of the 243rd set up operation to install Scheme 1530B9-A at Otis AFB, Mass., UHF Augmentation, Scheme 1561A9-A RAPCON Communication at Dow AFB, Maine, Removal of Antenna Support and Feeder Poles at St Albans AFS, Vt., and the Personnel and Administration Division of the 243rd GEEIA Sq encamped at Mitchel AFB, N. Y. The 212th GEEIA Squadron (ANG), Mass. encampment site will be at Wright-Patterson AFB, Ohio and is scheduled for August. The schemes to be accomplished will be 2370A9-B, 107A9 and 031A7-459, all involving additional cable facilities on the base.

Ground Safety Section: This section is responsible for administering training in Ground Safety to all personnel of the squadron. All unit personnel have received training on safety through Ground Safety lectures at Commander's Call. Lectures were presented by Base Ground Safety including Training Films. Compulsary and Remedial Driver Training Courses are in effect at this base. Personnel on TDY receive weekly Ground Safety Lectures, posters, and safety literature. The following table indicates number statistics for this reporting period.

Month	Non Reportable Accidents	Hospitalized	Non Disabling	Total
January	1	0	2	3
February	1	2	3	6
March	2	2	4	8
April	2	0	4	6
May	1	3	2	6
June	0	0	1	1
Total	7	7	16	30

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Item 9 - Mission Progress and Problems

Supply and Transportation Division:

Assigned Strength: 1 Officer and 17 Airmen. This division is charged with the responsibility of furnishing necessary authorized tools and equipment (UAL) based on the type of mission and ECL tool kits based on AFSC of personnel authorized spaces. It is also responsible for providing the authorized special purpose clothing required for use by installation personnel on TDY in Arctic locations, furnish the necessary housekeeping support such as bedding and arrange for housing facilities in support of the personnel assigned to the squadron. In regards to transportation, this division is responsible for dispatching, maintaining vehicle records, exercising drivers training control, and continued coordination with the Olmsted AFB Vehicle maintenance shop to maintain 79 vehicles in serviceable condition.

The Technical Supply Section furnishes the installation tools and equipment and is located at Marietta AFS, Pa. The Unit Supply Section, however, is located on Olmsted AFB proper. The separation of the two sections is one fallacy necessary in the accomplishment of the mission. Due to the limited housing facilities at Olmsted AFB, it was necessary to locate the Technical Supply Section at Marietta AFS. The Unit Supply Section is located at Olmsted AFB due to the immediated necessity of troop support.

On 15 February 1960, Supply Officers were informed of the consolidation of assets and responsibilities of the 2861st GEEIA Squadron and 2878th GEEIA Squadron. Consequently, necessary plans and coordination were effected in preparation of the consolidation of the two squadrons. Arrangements were made for orderly and systematic methods in transfer of assets such as office furniture, tools and equipment, C-E TOM Scheme material, and the accomplishment of new AF Form 1120 property records, AF Form 538's and the AF Form 842's.

On 20 February 1960, positive action was taken to accomplish physical transfer of all assets in the consolidation of the two squadrons. This involved documentation such as shipping documents and inventory adjustments, and inspection process to determine equipment serviceability, turn-in of unserviceable and/or excess property, identification and marking, binning, and finally the property record posting. It was necessary during this project to organize special inventory teams to inventory property located at the various divisional offices, Installation Flight Office, troop housing buildings, Engineering Detachment Office, Vehicle Storage Area located both at Marietta AFS and Olmsted AFB, Mail Room and Unit Supply. Other teams were selected to remove office equipment from evacuated buildings and return it to a central storage location for storage or other disposition. A complete inventory of the 2878th GEEIA Squadron property had been completed and documented in preparation for the transfer. All AF Forms 538 requiring reaccomplishment were completed. A formal request for audit was made to the Inspector General, Olmsted AFB, Pa.

An audit was initiated on 23 February 1960 and completed on 24 February 1960. The final audit report was received the same day the audit was completed. According to the report, the supply account was in excellent condition.

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n 9 - Mission Progress and Problems (Supply and Transportation Division Continued)

During this reporting period, the supply section continued to render efficient support to the Squadron. The majority of the supply activity occured in the issuing of tools and equipment made to stations indicated below:

Date	Station	Weight
10 Jan 60	Dhahran	1300 pounds
1 Apr 60	Pakistan	2600 pounds
6 Apr 60	Lajes	1200 pounds
6 May 60	Keflavik	1700 pounds
	Total	6800 pounds

On 10 June 1960, Captain Eugene G. Auen was relieved as Supply Officer, due to reassignment and the 2861st GEEIA Squadron supply account was transferred to CWO Paul P. Holley. This necessitated the accomplishment of a complete joint inventory of all assets and certificate of transfer between the old and the newly appointed Supply Officer. This project was completed on 15 June.

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n 9 - Mission Progress and Problems (Management Division Continued)

Mission Support Branch:

Funding Section: It is the responsibility of this section to incorporate all data pertaining to budget action and close coordination with MAAMA Finance and Accounting Division, to insure proper expenditure of funds. For the period from 1 January 1960 through 29 February 1960, funds were maintained by both the 2861st and 2878th GEEIA Squadrons. The following is a breakdown of funds by Object Class Code for the 2861st from 1 March 1960 through 30 June 1960:

Class Code 0890: Local Purchase. Funds in the amount of $8,792.00 were issued to field units and Local Purchase Agents of the squadron. Total obligation for the same period amounted to $8,167.00 of which $2,883.11 was obligated by teams in the field.

Class Code 0790: Contractual Services. The amount of $16,838.00 was issued for Contractual Services. Of this amount, total obligation amounted to $11,727.22.

Class Code 0200: Travel. Funds in the amount of $228,659.73 were allotted this squadron. Obligation for this period was in the amount of $227,826.65.

Class Code 0100: GS Personnel. During this period $41,458.46 was obligated under this Class Code.

Workload Section: The squadron mission workload was insufficient during the months of March and April for full utilization of available manpower. This condition was partly due to material shortages for projects in the squadron workload schedule and further aggrevated by the merger of the squadrons resulting in additional personnel. This problem was taken to Headquarters GEEIA by correspondence and was taken in person by Captain Clark, Chief of Management Division, to Headquarters Eastern GEEIA Region. This action resulted in the assignment from Eastern GEEIA Region sufficient workload for 100% or near 100% utilization of available and projected manpower from the latter part of May through the 30th of June 1960 and will extend into the 1st Quarter of fiscal year 1961.

Material Monitoring Section: The Material Monitoring Section is responsible to the Chief of Management Division for material support of all scheme projects assigned to this unit. The greatest support given to mission accomplishment during this period was expediting shipping of material from CESAC, particularly to overseas AIRCOM stations and the local purchase of materials at the squadron area and delivering them to job locations. Several trips were made by personnel in the section to CESAC to expedite shipment of materials to Dhahran, Ramey, Pakistan and Kindley and the Pentagon. Through this action, considerable delay was prevented at the stations that have been completed and at those where installation is presently in progress.

NOTE: See attached lists showing funding breakdowns and local purchase items.

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m 9 - Mission Progress & Problems (Supply and Transportation Division Continued)

On approximately 1 March 1960, an inspection team from Headquarters GEEIA visited this Division for the purpose of inspecting the supply situation regarding the progress being made in property transfer action as the result of squadron consolidation. However, because of the continued activity in warehousing and incompleted document posting action, a formal inspection was postponed until a later date. Subsequent information indicates that no inspection will be performed until 30 to 60 days after approval of a new UMD and UAL.

On 3 March 1960, during the transition of property transfer, a UAL change request was accomplished and submitted to Headquarters Eastern GEEIA Region. This change, in effect, modified the present 2861st GEEIA Squadron by increase in quantities and additions of equipment types, derived from the 2878th GEEIA Squadron UAL which was discontinued.

The overall property transfer project was completed on 1 April 1960. There were approximately 300 manhours expended to complete this project. The responsible supply officer appointed for the new 2861st GEEIA Squadron signed for the account on 4 April 1960. The following shows the number of items and monetary value of organizational property handled during the project:

Activity	Items on Hand	Items turned in to BASO	Monetary Value
2878th GEEIA Sq	105	0	$61,985.00
2861st GEEIA Sq	181	95	$430,741.00
Totals	286	95	$492,726.00

The above figures do not include the C-E BOM material being maintained in storage by both the 2878th and 2861st GEEIA Squadrons, for transfer to the new consolidated account. The 2878th GEEIA Squadron has a stock of 110 line items, and the 2861st GEEIA Squadron a stock of 860 items. Therefore a total of 970 items, having an approximated monetary value of $20,000.00 were transferred, inventoried, warehoused and picked up on the AF Form 84B, Service Stock Balance Record Cards. This project was completed by the Special Inventory Team on 3 March 1960. Since that date through 30 June 1960, there has been approximately 10 percent of the total items stocked which show any consumption experience. The majority of the stock of BOM materials is the result of the residue returned from locations of completed AIRCOM projects.

The following shows the operation and utilization of vehicles covering the period from 1 January 1960 through 30 June 1960:

Month	Total Vehicles Repaired	Total Vehicles Dispatched TDY	Total Mileage
January	13	5	12,190
February	9	8	7,759
March	15	15	29,578
April	17	18	22,768
May	13	18	16,792
June	10	13	18,891
Total	77	77	107,978

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TAB - A

STATION	0200 TRAVEL & PER DIEM	0890 LOCAL PURCHASE	0790 CONTR. SERVICES
Andrews	$3352.14		$2,216.00
Bakalar	253.20		
Brookfield	5179.24		
Brunswick	699.25		
Cape Charles	502.80		
Caswell	2011.32		
Charleston, Maine	297.48		
Claysburg	44.54		
Clinton County	2068.68	$157.00	
Dhahran	21,154.75		
Dow	1,555.54	288.88	1,000.00
Ernest Harmon	2,455.00		
Flintstone	580.16		
Fort Meade	52.80		
Frankfort, N. Y.	1,100.12		
Goose Bay	2,485.00		
Griffiss	2,191.90		
Highlands	3,325.26		
Keflavik	3,947.48		
Keesler	4,390.84	5.02	
Kindley	240.00		
L.G. Hanscom	362.10		
Ajes	14,094.00	181.22	921.83
Lake City	1,176.40	57.76	
Langley	1,309.98	19.20	
Lockbourne	1,170.64		
Lockport	1,734.00		
Loring	329.71		
McGuire	405.84		
Marblehead	14,268.91	1,275.00	2,250.00
Morocco	2,592.00		
Niagara Falls	1,603.70	25.00	
Oakdale	456.84		
Otis	459.92	33.50	
Patrick	19,643.70		
Pedricktown	11,699.83	137.98	337.00
Presque Isle	1,886.84		
Ramey	11,339.29		
St. Albans	107.58		1,188.00
Saratoga Springs	492.36		
Selfridge	4,077.10		
Snow Mountain	599.72	500.00	
Stewart	219.44		
Suffolk	152.38		
Super Sandbag	49,915.80	72.85	3,815.34
Westover	1,109.02	79.70	
Wright-Patterson	1,040.24		

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STATION	0200 TRAVEL & PER DIEM	0890 LOCAL PURCHASE	0790 CONTR.SERVICES
Academy (NCO)	336.40		
Administrative	1,258.52		
Air Nat'l Guard	6,007.14		
Engineering Branch	9,857.87		
Miscellaneous	9,385.88		
TOTAL OBLIGATIONS:	$227,826.65	$2,833.11	$11,727.22

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TAB - B

ITEMS LOCAL PURCHASED BY PROJECT IN SUPPORT OF INSTALLATION EFFORT:

PENTAGON: Washington, D. C.

ITEM	QUANTITY	COST
Clamp	35 ea.	$2.29
Clamp	8 ea.	2.93
Panel	3 ea.	139.20
Relay	1 ea.	111.40
Jack	220. ea.	107.80
Bolt	70 ea.	1.89
Caster	12 ea.	92.40
Relay Assy	2 ea.	30.56
Chime	2 ea.	10.20
Relay, Polar	75 ea.	2,218.50
Resistor	66 ea.	41.45
Terminal Board	68 ea.	51.00
Cable	500 ft.	53.68
Washer	2 box	1.56
Washer	2 box	1.65
Resistor	80 ea.	41.60
Resistor	80 ea.	42.45
Resistor	80 ea.	6.21
ammeter	1 ea.	7.40
TOTAL:		2,864.17

WEATHER FACILITY SCHEME:

ITEM:	QUANTITY	COST
Vulcanizing Mold	1 ea.	$5.00
Vulcanizing Mold	1 ea.	7.75
Vulcanizing Mold	1 ea.	7.75
Kit Splicing	6 ea.	109.80
		$130.30

SANDBAG:

Nut	50 ea.	5.88
Phenolic	4806 sq in.	57.67
Terminal Strip	9 ea.	10.67
Marker Strip	50 ea.	10.00
Relay	9 ea.	122.40
Transformer	9 ea.	48.96
Rubber Grommet	4 boxes	25.00
Chassis	3 ea.	4.71
Screw	144 ea.	10.08
Jack	3 ea.	10.65
Panel, Mounting	2 ea.	1.22
Terminal Lug	200 ea.	4.50
Gusset Assy	1 pr.	57.60

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SANDBAG (Cont'd)

ITEM	QUANTITY	COST
Anchor Strap	4 ea.	$.92
Bracket Angle	8 ea.	1.27
Strap, Retaining	4 ea.	1.49
Channel	8 ea.	52.27
Anchor Strap	8 ea.	1.25
Blower	8 ea.	181.10
Conduit	200 ft.	54.80
Conduit Outlet	8 ea.	14.80
Cover	8 ea.	2.24
Conduit Outlet	8 ea.	14.80
Conduit Outlet	8 ea.	33.60
Splice, Conductor	58 ea.	8.27
Splice, Conductor	20 ea.	4.28
Clamp	12 ea.	4.08
Sleeve	100 ea.	12.00
Wire, Strand	500 ea.	37.19
Terminal Lug	1000 ea.	12.00
Screw	500 ea.	6.40
		$812.05

CAPE CHARLES AFS, VA.

Adapter UG497A/U	28 ea.	$212.80
		$212.80

AIRCOM INSTL. EUROPEAN CONSTR:

Stud. Fastner	200 ea.	$29.00
		$29.00

KINDLEY

Relay	1 ea.	$11.90
Switch	3 ea.	25.86
		$37.76

ERNEST HARMON

Clamping Assy.	8 ea.	$1.12
Screw & Anchor	20 ea.	3.20
Wire	50 ea.	1.23
		$5.55

LANGLEY AFB

Guard	3 ea.	$15.00
Sleeve	25 ea.	44.25
Sleeve	4 ea.	9.40
Strap	9 ea.	3.42
Spacer	20 ea.	1.43
Spacer	20 ea.	2.39

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LANGLEY AFB (Cont'd)

ITEM	QUANITY	COST
Spacer	100 ea.	$9.31
Support	100 ea.	12.05
Support	30 ea.	4.40
Support	20 ea.	3.33
Clamp	12 ea.	22.10
Clamp	10 ea.	16.94
Clamp	10 ea.	23.87
Clamp	15 ea.	9.27
Strap	20 ea.	25.78
Hook	50 ea.	24.72
Tape	12 Rl.	3.72
Muslin	10 Rl.	4.40
Tape	40 Rl.	44.80
Ribbon	10 lb.	9.20
Solder	20 lb.	22.20
Paint - Asphalt	1 Gal.	2.50
Screw	100 ea.	8.50
Bolt	5 ea.	2.60
Bolt	10 ea.	12.23
Insulator	25 ea.	16.25
Tape	20 Rl.	7.80
Compound	50 lb.	19.50
Wire	5000 ft.	346.35
Nut	10 ea.	7.00
Washer	50 ea.	9.32
Washer	70 ea.	5.20
Wire, Lashing	5 Coil	41.60
Clamp	50 ea.	11.22
Strap	12 ea.	2.83
TOTAL:		$792.83

BRANCHING AMPLIFIER FACILITY:

Panel	29 ea.	$157.76
Connector	85 ea.	27.20
Fuse	20 ea.	2.80
Terminal Lug	15 ea.	1.80
Shield	20 ea.	5.80
Wire	300 ft	2.07
Enamel	1 qt.	.83
Wire	200 ft.	14.20
TOTAL:		$212.46

RAMEY:

Block	900 ea.	$57.15
Socket	6 ea.	6.23
		$63.38

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BUCKS HARBOR

ITEM	QUANTITY	COST
Cable RG/8U	600 ft.	$78.00

MARBLEHEAD, OHIO

ITEM	QUANTITY	COST
Bolt, Structural	200 ea.	$40.83

LAJES

Bolt	600 ea.	$63.50

BENGUERIR

Compound	72 cn.	$108.00
R. Caps	24 ea.	1.92
Valve Stems	24 ea.	4.80
ELL	3 Pkg.	16.95
Flange	1 Pkg.	4.10
Valve	24 ea.	156.00
Contactor	6 ea.	96.00
Lead Tubing	50 ft.	20.00
Formed Finishing Cloth	12 ea.	7.80
Flat Catch Cloth	12 ea.	14.28
Washer	250 ea.	23.48
Clamp	300 ea.	67.29
Contactor	1 ea.	18.00
Solder	20 lb.	12.74
TOTAL:		$551.36

OTIS:

Rope, Manila	500 ft.	$33.16

OLMSTED AFB

Tape Plastic	48 Rl.	$24.00
Battery BA-2	12 ea.	19.32
Battery, BA-27	12 ea.	15.96
Wedge, Lead #1	24 ea.	7.20
Wedge, Lead #2	24 ea.	12.00
Wedge, Lead #3	24 ea.	18.00
Wedge, Lead #4	24 ea.	24.00
Wedge, Lead #5	24 ea.	12.00
Wedge, Lead #6	24 ea.	18.00
Wedge, Lead #7	24 ea.	21.61

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OLMSTED AFB (Cont'd)

ITEM	QUANTITY	COST
Wedge, Lead #8	24 ea.	$31.20
Wedge, Lead #9	24 ea.	33.60
Shields	4 ea.	112.00
Scissors, Splice	12 ea.	45.00
Scissors, Pouch	12 ea.	24.00
Solder	23 Sp.	115.00
Wire, Lashing	24 Sp.	84.00
Sleeve, Lead	60 ea.	138.60
TOTAL:		$845.49

OAKDALE, PA.

ITEM		
Ducking S.D. 4" x 4" Sections Consistssof:		
5 Foot Sections	9 ea.	$60.75
End Plate	1 ea.	1.00
Bend 45 Degree	1 ea.	5.00
Bend 90 Degree	1 ea.	10.90
Switch PA2001	2 ea.	2.74
Switch PA18	1 ea.	1.20
Switch PA300	1 ea.	1.38
Switch PA304	1 ea.	1.34
Resistor	18 ea.	5.40
Conector UG-274	10 ea.	28.20
Connector UG-261	25 ea.	31.00
Connector UG-262	15 ea.	20.64
Connector UG-273	5 ea.	9.65
TOTAL:		$179.20

2861ST GEELA INSTL TEAM:

Strap, Safety	6 ea.	$99.30
Belt, Installer's	5 ea.	127.75
		$227.05

GRAND TOTAL: $7,178.89

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SEMIANNUAL HISTORICAL REPORT

AU-D5

1. NAME OF UNIT: 2860th GEEIA Squadron

2. LOCATION: Robins Air Force Base, Ga

3. FROM 1 Jan 60 THROUGH 30Jun60

4. NAME AND LOCATION OF NEXT HIGHER HEADQUARTERS

Eastern GEEIA Region (AMC)
Brookley AFB, Alabama

5. PERSONNEL STRENGTH (Last day of reporting period)

	OFFICERS	AIRMEN	CIVILIAN	TOTAL
AUTHORIZED	9	260	57	326
ASSIGNED	11	209	62	282
ATTACHED	0	0	0	0

6. STATEMENT OF MISSION INCLUDING CHANGES (Continue on separate sheet)

The mission of this squadron is to install ground electronic equipment according to installation standards and specifications furnished by higher echelons, and perform such other installations, removal, or modification as directed.

7. ORGANIZATIONAL CHANGES INCLUDING REASONS FOR CHANGE (Continue on separate sheet)

There have been no organizational changes during the period of this report.

AMC FORM 268

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8 ADMINISTRATIVE PROGR AND PROBLEMS (Continue on separate sheet)

Major John T. Mazzolla, Sr, departed for overseas assignment to the Philippines on 21 April 1960. Captain Edgar C. Kelley, Jr, assumed command of the squadron effective 21 April 1960. Captain Robert A. White assumed command effective 6 June 1960 due to temporary absence of Captain Kelley. Captain Kelley resumed command on 22 June 1960. Major Charles C. Culley arrived at this base and assumed command on 27 June 1960. 1st Lt Terry G. Waddle was reassigned to Eastern GEEIA Region effective 3 May 1960. 1st Lt Albert J. Balkey, Jr, was reassigned to Germany effective 23 April 1960. The primary problem encountered by the Unit Administration Section has been proper and correct submission of Airman Performance Reports (AF Forms 75). Extensive screening and forwarding reports to reporting officials 45 days before cut off date has alleviated part of the problem in this area.

The suspense dates from higher headquarters have improved greatly in the past reporting period and most all suspenses are met within the allocated time.

DD Forms 246-3 was received and approximately 75 per cent have been completed. Forms are being completed as personnel return from TDY. Forms are exhausted at this base. Forms are on back order with base publications at this base.

The administrative section published 640 Special Orders during this report period.

The combined strength of Officers and Airmen dropped from 271 to 220 during this reporting period.

This section was inspected by an Inspection Team during this reporting period. Staff visits were made to this section by members of the Personnel Section of Eastern GEEIA Region and the Eastern GEEIA Region Inspector.

MATERIAL SECTION: This section consists of Unit Supply, Field Support Flight, and the Motor Pool.

a. Unit Supply: The Unit Supply made approximately 241 supply runs in obtaining necessary supplies for operation of the squadron. This section made 47 turn-ins; used361 control numbers, submitted 282 back order follow-ups to Base Supply; and submitted 39 UAL Change Requests on AF Forms 601A. Unit Supply completely researched authority for all authorizations on the Squadron UAL and submitted a complete UAL change and made corrections where necessary. This section made new listings of all tools required by personnel and listed shortages as indicated on AF Forms 538. During this period, four (4) vehicles were received-2 each 5 Ton Tractors and 2 each 2 1/2 Ton Tractors. An advisory visit was made to Unit Supply by personnel from Eastern GEEIA Region. New file folders were prepared for correspondence files. All AF Forms 1120 were checked against stock lists for corrections. Three (3) Air Compressors were turned in to Base Supply. Expendable items were furnished as requested. Supply reports were forwarded as required by higher headquarters.

b. Field Support Flight: This section processed 433 items through (see Atch Sheet)

9 MISSION PROGRESS AND PROBLEMS

OPERATIONS AND TRAINING SECTION: The Operations and Training Section is responsible to the Commander for the Control and direction of established installation teams both in the field and at the home station, for the accomplishment of necessary technical training of installation teams and installation of Ground Communications Electronics Schemes as directed by Eastern GEEIA Region, and is also responsible for furnishing advisory services to the following Air National Guard Units: 213th GEEIA Squadron (NYANG), Roslyn AFS, New York: 241st GEEIA Squadron (TENNANG), Lovell Field, Chattanooga, Tennessee; 202d Communications Maintenance Squadron (GAANG), Cochran Field, Macon, Georgia. This service includes conducting quarterly advisory visits and making plans and recommendations for the annual summer encampment of each squadron. During the reporting period the major squadron effort, as in the past, was expended at the Air Force Missile Test Center, Cape Canaveral, Florida, and at stations of the Atlantic Missile Test Range. Dispite this fact the number of CE Schemes within our Geographical area increased and, as of the end of this reporting period, the 2860th GEEIA Squadron had teams working at eleven Air Force Installations spread from Florida to Maine. During this period, a total of 170 Communication-Electronics Schemes were completed. As of 30 June 1960 a total of 36 CE Schemes were in progress. A major

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8. ADMINISTRATIVE PROGRESS AND PROBLEMS CONTINUED

WRAMA Precision and Standards Branch; received 336 items from WRAMA Precision and Standards Branch. Twenty eight (28) items were turned into Base Supply. Twenty seven (27) items were turned into Base Disposal. Physical inventory of all Supply Catalogs was completed and all catalogs indexed. Communications Teams were equupped as required. Approximately 150 line items of publications were ordered to bring stock lists up to date. All test equipment was checked, tagged and located as it was received. Bench Stock was located in the Warehouse as received.

c. Motor Pool: This scheduled and delivered 66 vehicles to Base Maintenance. Scheduled and delivered 75 PE Generators to Ground Power Shop for service maintenance. Scheduled and delivered 30 Water Pumps to Ground Power Shop for Service Maintenance. Performed 301 weekly inspections on vehicles. Performed 82 Service Station Maintenance Jobs on vehicles. Processed 48 airmen for military operators permit. Cleaned and serviced all trailers as required. Spot painted all trailers and vehicles as needed. Cleaned and serviced all shop equipment. Performed twelve-2000 miles lubrication jobs on vehicles. Turned in all equipment not authorized for use in service station maintenance. Prepared reports as required by higher headquarters.

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9 CONTINUED (Continue on s to sheet)

Antiem area lies, as in the past, in the utilization of 303XX and 304XX personnel for Inter-Communications System Installation work at Cape Canaveral, Florida. This work is comparatively unrelated to the assigned AFSC's of this organization and continued utilization of radio and radar personnel in proving detrimental to their proficiency.

10 ADDITIONAL REQUIREMENTS (Continue on separate sheet)

11 LIST OF SUPPORTING DOCUMENTS (Continue on separate sheet)

XXXXXXXXXXXXXXXX
XXXXXXXXXXXXXXXX
XXXXXXXXXXXXXXXX
XXXXXXXXXXXXXXXX
XXXXXXXXXXXXXXXX

PREPARED BY
ROBERT J CARROLL, SSgt,
2860th GEEIA Squadron

APPROVED BY
JACK BATH JR, Captain, USAF
Historical Officer

PAGE 3 OF 3 PAGES

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MAJOR HISTORY

of

HEADQUARTERS

GROUND ELECTRONICS ENGINEERING-INSTALLATION AGENCY

(GEEIA)

1 July 1960 through 31 December 1960

Rome Air Materiel Area
Air Materiel Command

Approved By:

GEORGE R. CHARLTON
Lt Colonel, USAF
Executive

Prepared By:

RICHARD E. SANDERSON
Command Historian

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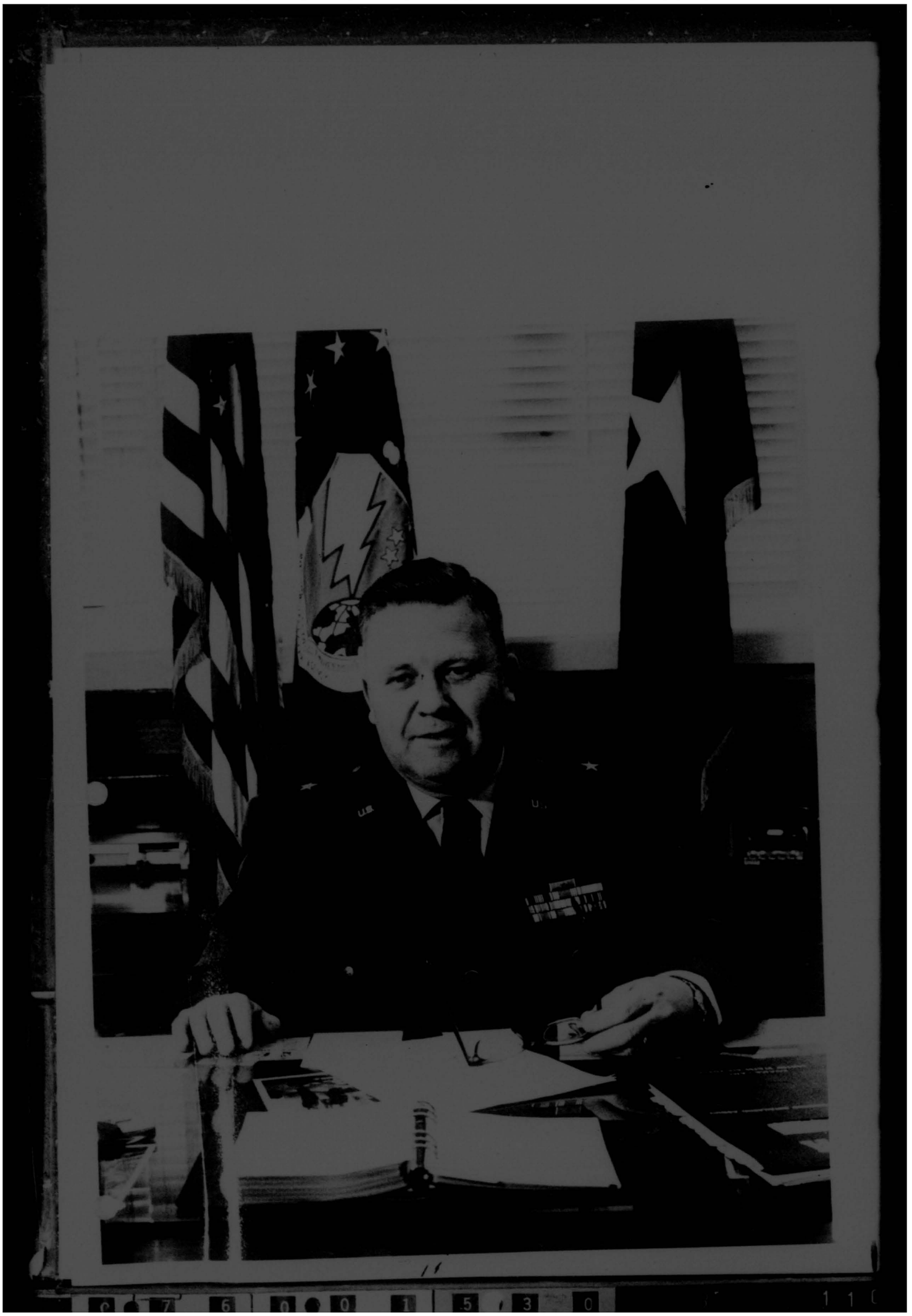

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PREFACE

This fifth history of GEEIA, covering the period 1 July - 31 December 1960, will delineate the varied programs and problems to a functional accounting of each area as related or interrelated to the over all mission. The format will be directed toward a chronological discussion of events and programs as a whole.

Through the prerogative of editorial license, this history may forecast considered events and programs. This is often a necessity in the type of operation which GEEIA fulfills. An attitude of dealing with specific facts as opposed to possibilities will be attempted in so far as possible. However, in the event that future portent is necessary to understand the complete emphasis of a particular system or facility, it will be used freely.

All controveries arising from areas of interpretation are this Historians' responsibility. Corrections, additions, or deletions are welcomed and following substantiation, appropriate changes will be made.

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CHRONOLOGY

DATE	EVENT
16-19 Jul 60	Second World-wide GEEIA Commanders' Conference held at Hq GEEIA.
20 Jul 60	The 2862nd GEEIA Squadron moved from Mitchel AFB, N.Y., to Patrick AFB, Florida.
28 Aug 60	ROAMA/GEEIA Field Office at Hq AACS officially in operating with the arrival of Major R. H. Heinzel.
30 Aug 60	AMC General Order #80 discontinued Det 1 of the 2862nd GEEIA Squadron effective 1 Sep 60, with all assets reverting to the 2860th GEEIA Squadron
30 Sep 60	ROAMA General Order #C482 transferred CESAC from ROAMA to GEEIA, effective 1 Oct 60.
1 Oct 60	The responsibilities for the Azores were shifted from the European to the Eastern GEEIA Region.
10 Oct 60	GEEIA General Order #2 realigned each GEEIA unit previously designated as "Field Office", "Liaison Office" and Engineering Branch Office as numbered operating locations of the parent unit.
11 Oct 60	AMC General Order #96 discontinued the 2871st GEEIA Squadron, Wheelus AB, Libya effective 3 Jan 61. This same General Order also established Det 1 2872nd GEEIA Squadron Athens, Greece

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17 Nov 60	GEEIA General Order #3 established Operating Location #1 of the 2875th GEEIA Squadron at Osan AB, Korea, effective 1 Jan 61 and also operating location #1 of the 2876th GEEIA Sq. at Andersen AFB, Guam, effective 1 Jan 61.
12 Dec 60	GEEIA General Order #5 established Operating Location #7 of Hq GEEIA at Norton AFB, Calif., effective 3 Jan 61. This same General Order also established Operating Location #8 of Hq GEEIA at L. G. Hanscom Field, Bedford, Mass., effective 15 Feb 61.
12 Dec 60	AMC General Order 114 established Det 1 of the 2876th GEEIA Squadron at Kadena AB, Okinawa, effective 1 Jan 61

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MISSION

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MISSION

In a broad sense, the mission and accomplishments of GEEIA could be considered as encompassing the following areas:[1]

a. Centralization of the Air Force engineering-installation effort in one organization --GEEIA--eliminated a considerable amount of duplication of effort caused by the previously uncoordinated efforts of the varied commands and USAF agencies involved in planning, programming, engineering and installing fixed ground C-E facilities.

b. More effective utilization of personnel was achieved through consolidation of the majority of USAF's technical skills in GEEIA. Since GEEIA supported world-wide requirements, USAF could be assured that support was furnished and resources applied in accordance with highest priority needs.

c. The placing of GEEIA Regions and Squadrons at strategic locations throughout the world insured maximum USAF support to C-E requirements at minimum cost, commensurate with operational requirements.

d. The existence of GEEIA enabled the USAF to compare contractual costs vs an organic effort and assure itself that the most economical method of support is being utilized.

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The nature of the GEEIA mission itself was "tailored" to effect the timely and economical Engineering and Installation of C-E facilities for the Air Force. This was evident in such programs as assisting the operating commands or other agencies in developing their ground C-E requirements. GEEIA's responsibilities of insuring both technical and schedule compatibility were adequately discharged by working with the using agency prior to its expression of requirements in formal Communications-Electronics Implementation Plans (CEIP's) or Advanced Communications-Electronics Requirements Plans (ACERP's). These recommendations by GEEIA technical personnel played a major role in preventing "gold plate" items from being expressed in the PCSP. The insuring of technical compatibility meant that a system or facility would accomplish the job for which it was intended--in the environment in which it had to operate. This eliminated the hazard of expensive "black boxes" or extensive modification which resulted from the "right hand not knowing what the left was doing". In the C-E business, the cost of hindsight was high. By insuring schedule compatibility (making certain that all program elements were in phase) GEEIA precluded the wasted efforts which were caused by applying resources to accomplish a job only to discover that the construction had not been completed or the equipment or funds were not available in the right place at the right time.[2]

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FOOTNOTES

CHAPTER ONE

1. Ltr, GEEIA, 8 July 1960, Subj: Economy in the Development, Procurement and Operation of Air Force Equipment. Attached Appendix A.

2. "See note above".

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COMMAND

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COMMAND

Brigadier General Haskell E. Neal continued as the GEEIA Commander throughout this reporting period. Colonel Charles U. Brombach and Lt Colonel George R. Charlton remained as Deputy Commander and Executive, respectively.

The Directorates, Staff Offices, and ROAMA/GEEIA Field Offices composing and/or aligned under Hq GEEIA as of 31 December 1960, were headed by the following personnel:

Headquarters Squadron Section	Major Nicholas E. Donatos
1st Sergeant	MSgt Jewell B. Henley
Office of CTS Program	Major George P. Reynolds
Inspector General and Quality Assurance Office	Major Eugene E. Brown[1]
Administrative Service	CWO, W3 Clair R. Yaw, Sr.[2]
Sergeant Major	SMSgt Austin L. Perkins
Personnel Office	Lt Colonel David W. Bearse
Directorate of Engineering	Lt Colonel Dudley W. Stevenson[3]
Deputy	Mr. Redding G. Oglesby
Directorate of Installations and Materiel	Colonel Carl B. Lindstrand
Deputy	Mr. Charles S. Dayhoff
Directorate of Plans and Programs	Colonel Joe P. Walters
Deputy	Lt Colonel Douglas B. Blackford

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GEEIA Systems Management Office Ottawa, Ontario	Lt Colonel James H. Rose
ROAMA/GEEIA Field Offices	
1. Headquarters ADC Ent AFB, Colorado	Major Dellas A. Brown
2. Headquarters SAC Offutt AFB, Neb	Not Manned
3. Headquarters AACS Scott AFB, Illinois	Major Roy H. Heinzel[5]
4. Headquarters USAFSS Kelly AFB, Texas	Major Fredrick E. Lynch
5. Headquarters AFBMC Englewood, Calif.	Lt Colonel Conrad C. Kolander[6]
Pacific GEEIA Region Tachikawa AB, Japan	Colonel Thomas S. Bond
Western GEEIA Region McClellan AFB, Calif.	Colonel Christian D. Kauffman
Central GEEIA Region Tinker AFB, Oklahoma	Lt Colonel George L. Timme
Eastern GEEIA Region Brookley AFB, Alabama	Lt Colonel Chester F. Hawkins
European GEEIA Region Wiesbaden AB, Germany	Colonel John W. Hope

Major General Charles B. Root, Rome Air Materiel Area (ROAMA) Commander, continued to provide GEEIA the necessary command guidelines for the coordination and monitoring of the Air Force Communications Electronics Program.

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FOOTNOTES

CHAPTER TWO

1. GEEIA Special Order #P-62, 30 August 1960. Attached Appendix B.

2. GEEIA General Order #1, 8 July 1960. Attached Appendix B.

3. GEEIA General Order #4, 1 December 1960. Attached Appendix B.

4. ROAMA Special Orders #C-482, 30 September 1960. Attached Appendix B.

5. USAF Central Coordinating Staff Canada Special Order # 374, 19 August 1960. Attached Appendix B.

6. San Antonio Materiel Area Special Order #4131, 22 June 1960. Attached Appendix B.

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ORGANIZATION

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ORGANIZATION

Under the guidelines of AFR 20-17, GEEIA was established with statutory authority equivalent to that of an Air Division, deriving its administrative and logistical support from the Rome Air Materiel Area. GEEIA's organizational structure during the period is reflected by the attached chart.[1]

A brief operational review and command description of those staff activities and allied units which comprise Hq GEEIA may enable a more understandable grasp of GEEIA's organizational system.

Headquarters Squadron Section: Major Nicholas E. Donatos, continued as the Hq Commandant and MSgt Jewell B. Henley as 1st Sgt. In addition, this office assumed the responsibilities for Hq Support in the general housekeeping area.[2] This action was taken in conjunction with the transfer of Communications Electronics Scheme Accounting Control (CESAC) to GEEIA[3] and its placement under the Directorate of Installations. Concurrent with this action, the UAL and associated functions of the former Materiel Office were also transferred to Installations---.

Office of the CTS Program: Major George P. Reynolds continued as chief of the CTS Program. The GEEIA CTS Program contained approximately 585 line items[4]-furnished by such firms as Philco, RCA, and Collins.

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Office of the Inspector General and Quality Assurance: Major Roger V. Hearn, former Chief of ROZQ, retired from service during this period and was replaced by Major Eugene E. Brown on 20 August 1960.[5] Captain Warren P. Hoover, PCS'd from the 2876th GEEIA Squadron[6] and was given the task of establishing a formal GEEIA Quality Assurance Program with appropriate directives and guidelines.

During the dates indicated an annual general inspection was conducted at the following GEEIA Squadrons and Region Headquarters:[7]

15 June thru 27 July 1960

Hq European GEEIA Region, Wiesbaden AB, Germany

2873rd GEEIA Squadron, Bushy Park AS, England

2872nd GEEIA Squadron, Torrejon AB, Spain

2871st GEEIA Squadron, Wheelus AB, Libya

2874th GEEIA Squadron, Ramstein AB, Germany

18 September thru 17 October 1960

Hq Pacific GEEIA Region, Tachikawa AB, Japan

Detachment #1, Pacific GEEIA Region, Wheeler AFB, Hawaii

2876th GEEIA Squadron, Clark AB, P.I.

2875th GEEIA Squadron, Tachikawa AB, Japan

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7 November thru 9 December 1960

Hq Western GEEIA Region, McClellan AFB, California

2870th GEEIA Squadron, Hill AFB, Utah

2868th GEEIA Squadron, Elmendorf AFB, Alaska

2869th GEEIA Squadron, Norton AFB, California

2867th GEEIA Squadron, McClellan AFB, California

The following special investigations were made:

(1) FPS-7 Installation Problems, Rockville, Maine

(2) Canadian Mobile TACAN

(3) RAPCON Installation Problem, Dow AFB, Maine

GEEIA Air National Guard Inspections: During Nov 60, GEEIA received confirmation of the additional inspection responsibilities for Air National Guard GEEIA Units effective 1 January 1961.[8] Major Carl E. Doughman, Hq CONAC Inspector General Office, assisted in the preparation for this responsibility. Capt Leo Victor, CONAC was expected to head up this function.

Quality Assurance: Hq GEEIA Quality Assurance objectives and policies were discussed at an AMC/ROAMA/GEEIA Quality Assurance conference held at Hq GEEIA on 4 November 1960. This conference resulted in refinement of the proposed GEEIA Regulation 74-1 (GEEIA Quality Assurance Program), and recommendations for development of a

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GEEIA Quality Assurance Manual. The Regulation was coordinated throughout GEEIA and will be published and distributed early in 1961. The Quality Assurance Manual is in the early stages of preparation.

At the request of GEEIA, AMC Letter 23-2 was amended to include GEEIA relationships with AMC contract management agencies. The amended letter was in the publication phase, and expected to be published in early February 1961.

Office of Administrative Services: CWO W3 Clair R. Yaw, Sr. was assigned as Chief, Administrative Services 25 July 1960, relieving Lt Colonel Charlton of this additional function.[10] SMSgt A. L. Perkins continued as Sgt Major. This office continued to provide those functions normally expected (ie. Mail, Records, Orders, Classified Control etc:) and also had the Information Office as an organizational component.

Directorate of Engineering: Lt Colonel William H. McCumber retired from active military service on 30 November 1960.[11] Lt Colonel Dudley W. Stevenson was assigned as Director of Engineering effective 1 Dec 1960. Mr. Redding G. Oglesby continued as Deputy Director during the period covered in this report.

The Divisions and their heads, as of 31 December 1960, were: [12]

Air Defense System	Mr. Robert H. Smith
Engineering Control Office	Captain Charles D. Roby

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Communications Systems	Mr. Zygmund J. Bara
Air Navigational Systems	Mr. Edgar T. Anderson
Engineering Support	Major George J. Rankin
C-E Standards	Lt Colonel Aaron E. Caplan

Directorate of Plans and Programs: The Directorate of Plans and Programs developed and maintained current and future GEEIA Administrative and Operational Plans and provided and maintained planning, programming and other data required by GEEIA agencies for the management and implementation of the fixed portion of the USAF Ground C-E Support Programs.

Effective 21 September 1960, the functions of the Mission Analysis Office and the Plans Division were combined and organized as a new Division - the Plans and Analysis Division.[13]

Colonel Joe P. Walters continued as Director during this period with Lt Col Douglas B. Blackford staying on as Ass't. The Field Offices were also organizationally aligned under this Directorate (locations and chiefs as shown in command).

The Hq Divisions and their Chiefs were:[14]

Financial Division	Mr. Hubert C. Jones
Plans and Analysis Division	Maj Herbert L. Orford
Programs Division	Maj Gordon F. Palmer

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Directorate of Installations and Materiel: As noted previously, CESAC and the GEEIA Materiel function was assigned to the former Directorate of Installations, changing its designation to that above.

The Divisions and the Heads were: [15]

Contract Services	Lt Colonel A. R. Bonner
CESAC	Lt Colonel Donald A. Bolger
Implementation Control	Major Irvin A. Myhra(acting)
Field Support	Mr. J.C. Newman Deputy

Colonel C. B. Lindstrand and C. S. Dayhoff continued as Director and Deputy respectively.

Personnel Office: Lt Colonel David G. Bearse continued as Chief of Personnel. The Divisions and their Chiefs were: [16]

Military Personnel	Major W. G. Hauger
Manpower and Organization	Mr. J. F. Haley (Acting Chief)
Ground Safety	MSgt Harry Moses

In conjunction with its added functions of establishing and abolishing Field Offices, Operating Locations, and Detachments, as well as reassigning military personnel, exclusive of ROAMA's jurisdiction, it appeared this Staff Office would soon be redesignated as a Directorate. However, as of 31 December, no formal action had been taken.

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Commanders'Conference: The second Worldwide GEEIA Commanders' Conference was held 18-19 July 1960 at Hq GEEIA.[17] The following agenda items were discussed:[18]

(a) New CSA Procedures

(b) Contract Management

(c) Quarterly Review of Scheme Material Requirements

(d) Verification of Schemes against PCSP, SFEL Packages

(e) Policy on Maintenance versus Rehabilitation; Policy on Modification

(f) Training

(g) Tool and Test Equipment Program

(h) Utilization of Organic Resources

(i) National Guard Responsibilities

(j) Officer and Airman Manning

(k) Distribution of Additional Field Grade Spaces allocated to GEEIA

(l) Utilization of Wage Board Personnel

(m) Revised Air Defense Control and Warning System

(n) Equipment Relocation at all SAGE Sites

(o) Interference and Radiation Hazard Program

(p) Quick Fix

(q) Review of FY60 Fund Program

(r) Review of FY61 Program as it related to FY61 Financial Plan

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Each of the Region Commanders, Field Office Representatives and Headquarters Directors and Staff Officers met with General Neal.

Subordinate Unit Organizational Changes: The following subordinate unit organizational changes were made during this period:

The 2871st GEEIA Squadron, European GEEIA Region, Wheelus AB, Libya, was discontinued effective 3 January 1961, under AMC General Order 96, dated 11 October 1960.[19] Some 71st personnel were reassigned to the European GEEIA Region Headquarters and others assigned to Detachment 1 of the 2872nd GEEIA Squadron, Athens, Greece.[20]

AMC General Order 80, dated 30 August 1960, discontinued Detachment 1 of the 2862nd GEEIA Squadron at Patrick AFB, Florida, effective 1 September 1960.[21] The move of the 2862nd GEEIA Squadron from Mitchel AFB, NY. to Patrick AFB, Florida, effective 20 July 1960, eliminated the necessity for Detachment 1 of the same Squadron.[22] All assets of the Detachment reverted to the 2862nd GEEIA Squadron.

AMC General Order 96, dated 11 October 1960, established Detachment 1, 2872nd GEEIA Squadron at Athenai Airport, Athens, Greece.[23] This Detachment's mission was to install programmed USAF communications-electronic facilities in southeast Italy, Greece, Turkey, and northwest Africa areas. The location at Athens, Greece, provided GEEIA with a central point of operations.

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AMC General Order 114, dated 12 December 1960, established Detachment 1 of the 2876th GEEIA Squadron at Kadena AB, Okinawa effective 1 January 1961.[24] This Detachment was established to handle the continuing C-E installation workload in the Okinawa area. It was further determined that a permanent Detachment at Okinawa would not only reduce TDY expenditures, but it would also reduce the many personal family problems which occurred while the airmen were TDY at Okinawa. An additional factor was the gain of a permanent Responsible Property Officer to maintain proper accountability and to redistribute C-E scheme materiel.

GEEIA General Order #2, dated 10 October 1960, realigned all GEEIA units previously designated as "field office", "liaison office" and "engineering branch office" as numbered Operating Locations of the parent unit.[25]

GEEIA General Order #3, dated 17 November 1960, established Operating Location #1 of the 2875th GEEIA Squadron at Osan AB, Korea, effective 1 January 1961, and also Operating Location #1 of the 2876th GEEIA Squadron at Andersen AFB, Guam, effective 1 January 1961.[26] Each of these Operating Locations was established to satisfy responsible property office requirements to maintain custody of

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materiel on hand for future scheme workload, and to provide supplies for emergency restoration of C-E facilities.

GEEIA General Order #5, dated 12 December 1960, established Operating Location #7 of Hq GEEIA at Norton AFB, California, effective 3 January 1961.[27] This Operating Location provided a single ROAMA/GEEIA point of contact within the BMC/BMD complex to ensure effective GEEIA programming and E-I support for the Ballistic Missile ground C-E requirements. The same General Order also established Operating Location #8 of Hq GEEIA at L. G. Hanscom Field, Bedford, Massachusetts, effective 15 February 1961. This operating location was to be established to provide GEEIA contact within the AMC/ESC-CCDD complex. This would assist in coordinating all programming essential for GEEIA support to numbered "L" electronic communication systems.

On 1 October 1960, the responsibilities for the Azores were shifted from the European to the Eastern GEEIA Region.[28] This action was accomplished at the request of the respective Region Commanders to provide more timely support to the Azores at less cost since the Azores can be supported from the ZI cheaper and faster than from Europe.

Standard GEEIA Region Proposal: General Neal initiated a program to study the possibilities of developing a standard functional region. Two basic

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proposals were developed by this headquarters and one proposal submitted by the Central GEEIA Region. Each was sent to the Regions for comment so that the most compatible features could be assimilated into one structure.[29]

GEEIA Organizational Changes for Ballistic Missile Support: The role of GEEIA in the Ballistic Missile Program was emphasized in a 22 Aug 60 letter from Major General T. Allan Bennett, AFMEE to AMC.[30] This letter noted that an Air Staff survey and an IG inspection had been made of the GEEIA participation in the Ballistic Missile Program. Both of these surveys revealed the need to increase the effectiveness of GEEIA in supporting the Ballistic Missile Site Activation Program. Of particular importance was the development of a GEEIA organizational structure which would permit that portion of GEEIA's engineering talent which was devoted to support of the BMD/BMC complex of the Ballistic Missile Field Offices (Warren AFB, Fairchild, etc), to be completely responsive to the program.

The IG portion of the survey recommended the following:[31]

"Establish specific responsibilities for the Ground Electronics Engineering Installation Agency (GEEIA) in support of the ballistic missile program. This would include coordination with appropriate subordinate commands of AMC and ARDC on initial phases of contractual agreements and acceptances of contracted communication facilities".

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Headquarters USAF concurred in that recommendation and requested Hq AMC to take appropriate action to place it in effect. AMC's plan for accomplishment was requested on or before 19 September 1960.

Proposed GEEIA Detachments at ICBM Sites: As result, it was decided that GEEIA would provide a detachment of personnel under the operational control of the Site Activation Task Force Commander to perform the following:[32]

(1) Supervise all on-site GEEIA operations and provide technical assistance to the SATAF.

(2) Manage intersite installation in accordance with established schedules until over-all weapon system acceptance by the operating command.

(3) Maintain liaison with responsible weapon system communications agencies to assure identification and accomplishment of necessary engineering changes including intra-site for timely weapon system integration.

(4) Make necessary engineering changes to the intersite system to assure over-all weapon system compatibility.

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(5) Assure support base telephone plant expansion and/or modification is compatible and in phase with the weapon system requirements.

(6) Provide communications technical assistance for weapon system acceptance.

(7) Insure GEEIA capability to provide short notice interim communications.

Correspondence was initiated to Hq AMC requesting increased GEEIA - civilian and military authorizations for the ICBM site installation workload.[33] It was planned to initially have the following managerial capability at each ICBM site: (1) officer, (1) civilian engineer, and (1) clerk typist. The request amounted to a total of 63 spaces: 23 military and 40 graded. At the same time, Hq AMC was requested to publish General Orders establishing GEEIA Detachments at the ICBM sites already activated by SATAF. Establishment of Detachments would provide GEEIA personnel commensurate organizational recognition with other Air Force Command units stationed at these sites. The assignment of personnel to a Detachment would provide an accurate method for accounting and identifying the GEEIA personnel performing duty at these widely dispersed ICBM sites. However, pending receipt of increased authorizations and the establishment of the GEEIA Detachments, a message was sent to the ZI GEEIA Regions; with information to the

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SATAF Detachments, indicating General Neal's desire that the ZI GEEIA Region Commanders promptly furnish personnel in a TDY status, at the request of site commanders or as they determined requirements.[34] Direct communication between GEEIA Region Commanders and SATAF Commanders was also authorized.

However, AMC expressed their belief that GEEIA could perform the ICBM installations with resources on hand. These missile sites responsibilities were to be accomplished by personnel attached to the appropriate GEEIA Region with duty station (PCS) at the designated sites. If the length of assignment did not warrant PCS, then Region TDY was to be used. This conflicted with the previously imposed reduction in TDY monies.

A review of the impact of the ICBM program on GEEIA ZI mission performance indicated that 49 personnel were on TDY status at ICBM sites with a consequent loss of efficiency and management in other programs.

Reviewed proposal on Hq AMC for approval of increased authorizations for ICBM workload resulted in a representative from the Hq AMC Manpower expected at Hq GEEIA during the first week of January 1961. It was believed that factors presented during the visit would justify waiving the provisions of AMC

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Supplement 1 to AFR 26-3.[35] A provision of 26-3 required the nomination of low priority workloads to be deleted, when additional manpower resources were not available. But since GEEIA workloads were generated by the C-E requirements in the PCSP and Hq USAF validated these requirements prior to inclusion in the PCSP, review of the essentiality at any level below USAF would have been highly presumptive.

A memorandum of agreement was then reached on 9 Dec 60 between BMD/BMC and ROAMA/GEEIA relative to the delegation of contract change authority.[36] BMD/BMC, ROAMA/GEEIA, and AACS also agreed upon streamlined procedures for expediting commercial wire projects in support of the ICBM Program.

It was agreed that engineering changes at any time prior to contract award would be the responsibility of BMD/BMC and ROAMA/GEEIA in accordance with ROAMAR 70-1.[37] In the development of the specifications leading to the work statement which was to become a part of the contract, it was agreed that Hq GEEIA would be the sole spokesman for the BMD/BMC and ROAMA/GEEIA complex, in approaches to the procurement organization placing the contract. This was felt necessary in order to maintain the integrity of decision and to prevent divergent points of view from being introduced into the buy program.

It was recognized that guidance to the contractor during the performance period of his contract would be necessary. However, it was further recognized that in order to maintain integrity of the contract and to

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protect the contractor from cost penalties resulting from unauthorized changes that the specific contractor would take his instructions only from the duly appointed Administrative Contracting Officer. While guidance would flow from BMD/BMC and the GEEIA Region, the basic responsiblity of the SATAF Commander was recognized. Consequently, the ACO would only accept guidance from the GEEIA Engineering Detachment on the staff of the SATAF Commander. The responsibility for any and all necessary prior coordination would be that of the GEEIA Engineering Officer on the staff of the SATAF Commander. The contractor therefore would receive his instructions from, and must be so notified, the ACO only, or a properly duly appointed representative of the ACO.[38]

In the interest of acceleration, it was agreed that the Administrative Contracting Officer (secondary) on-site, would be delegated the necessary authority to accomplish contract changes arising out of engineering changes. Additionally, it was agreed that funds to cover such changes would be placed in the hands of the ACO. With a complete inability to forecast the funding requirement for the on-site ACO, it was agreed for the time being, but subject to revision if demonstrated, to make available to the on-site ACO an amount of $50,000. If and when these funds are exhausted, the ACO would direct his replenishment request to ROAMA/GEEIA (Directorate of Procurement and Production - Buyer).[39]

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By charging the GEEIA on-site engineering personnel with the responsibility for full coordination and approval through the appropriate GEEIA Region and BMD/BMC, no further reporting or control on his prior actions was required. However, in order that the various responsible elements might be kept informed, the on-site ACO would submit weekly reports to the GEEIA Regional Headquarters, to Hq GEEIA, to BMD/BMC Project Office and the ROAMA buyer.

ROAMA/GEEIA Field Offices: The mission of each ROAMA/GEEIA Field Office was to assist both the GEEIA organization and the major air command or agency in coordinating the varied plans, actions and program elements related to or affected by accomplishment of the GEEIA mission as set forth in AFR 20-17. In consonance with these instructions, these offices monitored and coordinated those actions and efforts necessary to insure efficient, effective GEEIA programming, engineering-installation support to applicable ground electronic requirements. Specific areas of responsibility to which these offices applied its coordinating effort were outlined in para 5 and 7 of AFR 20-17.[40] A brief resume' of their operations during this period may give a more comprehensive understanding of their functions.

ADC ROAMA/GEEIA Field Office: Major Dellas Brown continued as the Chief of the ADC ROAMA/GEEIA Field Office. Following are some of the actions effected:[41]

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Since the Host Tendency Agreement for this office was negotiated by ROAMA/GEEIA with the 4600th Air Base Wing, some personnel within ADC expressed a reluctance to provide certain administrative assistance (e.g., handling of classified material, publishing Special Orders, furnishing office supplies and some office furniture). In view of the fact that this office was established for the express purpose of assisting Hq ADC in their C-E program and was considered an almost intregal part of their operation, it was felt that this type of support could be provided by the command more efficiently. This matter was discussed with Key Personnel and as a result instructions to provide the support requested were issued.[42]

Mission Progress and Problems: The number of problems referred to this office were more numerous and varied than those received during the previous periods as more ADC staff agencies learned of the Field Offices mission and the functions performed. Responses to queries and problems referred to us from such ADC staff agencies and units as Operations, Materiel, Civil Engineers, C-E Maintenance, and Air Divisions, in addition to the Director of C&E, were expedited. Assistance was provided to NORAD, AACS, and other commands in the local area. Most of the problems received

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were resolved, while others were brought to the attention of Hq GEEIA and GEEIA Regions for resolution. In either event, most were resolved expeditiously and apparently to ADC's satisfaction. It was observed that Hq GEEIA and the Z! GEEIA Regions responded to such requests for information much more rapidly. This coupled with the availability of GEEIA's E-I Schedules, programs, capabilities, objectives and other informative data resulted in the provision to ADC of current and useful information on which to base their planning. The closer ties with ADC staff agencies, plus being backed up with GEEIA's resources, prevented many misunderstandings and created a greater respect as to GEEIA's ability to produce and respond to changes in operational concept. Problem areas still existed, however, with several long delays during installation with resultant slippages in operational dates of FD Radar, SAGE Ground/Air Radio and C-E facilities for NORAD Control Centrals.

On the spot coordination with ADC personnel were successful in enabling GEEIA to change some policies, and procedures to conform more with the ADC requirements. Among these were:[43] (1) use of the Base Master Plans with site concurrence letters, (2) retention of UPX-6's at de-commissioned radar sites to be used as spares where required, (3) changes in PCSP coding, (4) retention of SFEL package

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numbers for obsolete in use equipment, and (5) streamlined E-I schedules.

Major problem areas encountered during the reporting period continued to be slippages and potential slippages in NORAD Control Centers, GATR facilities, certain Long Range radars, implementation of the revised Air Defense Program, and lack of current information contained in command reports.

In July, the ADC Field representative attended a meeting in New York City, attended by all agencies involved in the Air Defense Program, to develop a Master System Schedule and Cost Study from the information contained in the Revised Air Defense Program and the SAGE Master System Specifications. Hq USAF approval of ADC's Revised Air Defense Program (Plan "X") constituted a large unprogrammed work load for GEEIA in the removal of all C-E facilities at seventeen (17) Long Range radar sites and their asscciated Gap Fillers. GEEIA's positive approach to the problem was contained in their letter to Hq ADC, dated 18 July 1960, Subject: Implementation of Revised Air Defense C&W Program (416L).[44]

It was the observation of the ADC Field Representative that various ADC Staff agencies did little or nothing to start the removal portion of the program rolling or were attempting to conduct their areas of

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responsiblity with very little coordination with others. As a result, there was no firm policy and action taken, in some cases, was not in consonance with the over all objectives. This area was discussed with Key ADC personnel, with the suggestion that a project officer be assigned with over all control to insure that all correspondence and actions pertaining to this project be thoroughly coordinated. This suggestion was adopted during late July. (Reference SECRET Letter, ADC Field Office, dated 5 August 1960, Subject: Implementation of the Revised Air Defense C&W Program (416L).)

It was additionally observed that ADC's interest in a programmed C-E facility intensified as a scheme progressed into installation or neared a scheduled operational date. Current scheme status at this stage was required to properly time-phase manpower, test equipment, communication lines, contractor personnel, etc.; however, existing reports or other documents available to them did not reflect last minute facility slippages, or advances, which had a bearing on their planning. To provide this information, it was suggested to Hq GEEIA staff officers at the July Commanders' Conference that the H-1 Report to commands be streamlined, containing only information of significance to the command and that changes between publication be forwarded as they occurred.[45] As

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an interim measure, Eastern and Central GEEIA Regions were requested in September to include this office as an information addressee on their Squadron's Weekly Installation Progess Reports. (Western GEEIA Region had previously forwarded their reports to this office). Receipt of these reports from Western GEEIA Region proved to be a valuable source of information for briefing the command, however, the current information on contract installation was not included in these progress reports. Eastern GEEIA Region concurred with our request, Central GEEIA Region advised that the information requested was contained in their "E" Card Analysis forwarded to this office each month.

Security Services ROAMA/GEEIA Field Office: The major areas of assistance rendered by the USAFSS ROAMA/GEEIA Field Office were primarily as follows:[46]

CEIP 1D04N Responsibilities. Hq USAFSS called a conference with representatives from Central, Eastern, Western GEEIA Regions, and GEEIA Security Services Field Office to establish workload and E&I responsibilities for their programmed modernization during FY 461 and FY 162, under CEIP 1D04N CONUS Areas. The conference was held as scheduled and the major objectives agreed upon were as follows:[47]

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(1) Western, Central, and Eastern GEEIA Region agreed to perform all engineering and installation responsibilities associated with AFSSO facilities. This included but was not limited to, base support requirements, wiring specifications, equipment placement, and bill of material (BOM) for installation hardware.

(2) Western, Central, and Eastern GEEIA Regions were to prepare the BOM at the earliest possible date and forward to Hq GEEIA a single consolidated scheme reflecting BOM requirements.

(3) Headquarters USAFSS agreed to effect coordination with ROAMA to have CESAC provide the required BOM at earliest possible date to meet the programmed date of FY 461.

(4) Western, Central, and Eastern GEEIA Regions agreed to provide Headquarters GEEIA the consolidated P437 fund requirements needed to effect the E&I reponsibilities of Western, Central, and Eastern GEEIA Regions.

(5) Western, Central, and Eastern GEEIA Regions agreed to perform the E&I responsibilities for all AFSSO facilities programmed for FY 362 within their cpability.

Automatic Dissemination: USAFSS attempted for several months to obtain approval for automatic dissemination of Critic Initial Spot Report traffic to certain of their customers with no success. Visits to AFOAC

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by Security Service personnel revealed that there would be no approval until the requirement was submitted in ACERP format with GEEIA technical coordination. With this information in hand, the GEEIA Security Service Field Office requested that Hq GEEIA Engineering coordinate on the proposal.[48] The ACERP then went forward in message format to Headquarters USAF, and to Headquarters GEEIA for coordination.

USAFSS Single Side Band Antenna Installation. USAFSS requested GEEIA assistance in the installation of a rotary beam antenna at Hq USAFSS during October 1960. This antenna was for the single side band equipment installed to provide communications between Headquarters USAFSS and Command aircraft. The installation assistance was provided by support from 2866th GEEIA Squadron at Kelly Air Force Base, Texas.[49]

KG-3 Suitability Test: The USAFSS ROAMA/GEEIA Field Office was requested to provide assistance in a classified phase of the subject test.[50] Qualified personnel were available in the Central GEEIA Kelly Engineering Branch and worked with Security Services. This phase of the test was completed in five (5) days; approximately one-half the estimated time and attributable to GEEIA assistance.

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COM SEC engineering: Engineering personnel assigned to the Kelly Engineering Branch of the Central GEEIA Region proposed improvements which could be incorporated within the classified area of COM SEC equipments. The GEEIA USAFSS Field Office accomplished the necessary coordination with USAFSS to provide laboratory test facilities, equipment and material to fabricate the device and conduct associated tests and measurements. The preliminary laboratory tests proved the proposal to be highly successful and arrangements were made to make a pilot installation to test the device in the field under typical operating conditions. The status of the project at the close of this reporting period indicated that utilization of the proposed device accomplished the desired results and action was initiated to incorporate it in all COM SEC systems within the Air Force. [51]

ROAMA/GEEIA Ballistic Missile Field Office: During the period 1 July to 31 December 1960 there were many changes in the complexion of the Ballistic Missile Field Office involving personnel and general operating methods and responsibilities. Lt Colonel Conrad C. Kolander, Jr. reported for duty on 17 July 1960 and assumed duties as chief. [52]

On 11 July 1960 Hq USAF designated AMC as the responsible agent for activation of all missile sites. AMC, in turn, placed the responsibility on the Ballistic Missile Center at Inglewood. The ensuing reorganization

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of the latter resulted in establishment of the SATAF's (Site Activation Task Forces) at each missile site, and a dynamic program designed to guarantee that each of the many elements of every ICBM site was activated at its appointed position in the schedule. Concurrently, a redistribution of functions between AFBMD and BMC occurred in the Los Angeles area.

As a result of the general ICBM reorganization, a realignment of GEEIA forces operating in the program was indicated. Coordination by GEEIA on matters pertaining to engineering, specifications, and system design remained with AFBMD, but all matters pertaining to installation, construction, and general site activation were within the province of BMC. Additionally, the organization of the SATAFs into functional Detachments such as the supporting AMA, contract management region, Corps of Engineers, and AFBMD under the operational control of the SATAF Commander, implied that GEEIA too should establish a similar functional element at each ICBM location.[53]

After conference with officials at AFBMD and BMC, the Field Office developed recommendations to be presented to Gen Neal as to its future role in the ICBM program. This subject was presented at Headquarters GEEIA early in August 1960 and consisted of recommendations that GEEIA be chartered as a partner on the ICBM team, its responsibilities

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to the program be clearly delineated, and that GEEIA establish a series of responsive units at each level of the command including a GEEIA detachment which would be assigned to each SATAF. Additionally, it was recommended that the BMD/BMC Field Office devise and obtain approval for operating procedures which would govern our activities and guarantee the highest degree of responsiveness to the program.

On 15 September, Headquarters AMC issued a directive, Subject: GEEIA Relationships in the ICBM Site Activation Task Forces. On October 7, 1960 Headquarters GEEIA issued a directive, Subject: Interim Operating Procedures for GEEIA Ballistic Missile Site Detachments, which implemented the provisions of the AMC directive.[54] The Field Office realigned itself as outlined by these directives to furnish support to all GEEIA activities in the program, and to act as a single point of contact within the BMD/BMC Complex on all aspects of the ICBM program concerning GEEIA. The assignment of Captain H. E. Graham in September 1960 permitted a division of functions, within the Field Office, by weapons system, thus providing a more comprehensive coverage. The Western and Central GEEIA regions each assigned an engineer to this office on a semi-permanent basis to provide a more rapid response and guarantee followup action on all matters within their area of responsibility.[55]

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On an increasing scale, the Field Office became involved in every single phase of activity within GEEIA's area of responsibility to the ICBM program. It was called upon regularly by high managment level in AFBMD and BMC to render services or initiate necessary action within command channels on an expedited basis.

AACS Field Office: The ROAMA/GEEIA Field Office at Headquarters Airways and Air Communications Service, Scott AFB, Illinois, was established in accordance with the GEEIA/AACS Concurrent Use Agreement dated 2 March 1960.

AACS Field Office was officially in operation on 28 August 1960 with the arrival of Major Roy H. Heinzel. No additional personnel were assigned during this reporting period.[56]

The Chief, ROAMA/GEEIA Field Office, was invited to be a non-voting member of the MATS Facility Utilization Board. This provided MATS Hq with information on equipment deliveries, and allowed for timely allocation of funds for construction in support of programmed C-E Schemes. Conversely, this membership also made available to GEEIA information regarding MATS contemplated funding action, allowing GEEIA to insure timely installation of C-E Schemes.

The GEEIA Systems Management Office (GSMO) (Canada): GSMO managed the implementation of CADIN exclusive of the Super Combat Center and

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BOMARC, by coordinating with the Royal Canadian Air Force (RCAF) regarding construction progress and available BOD's. It was responsible for the development of scheduling actions to implement CADIN and the production of technical work statements for Engineering-Installation contracts pertaining to CADIN incident to the management of Engineering-Installation contractors. All actions were coordinated on an as required basis with Department of Defense Production, Canada RCAF, and Central Coordinating Staff, USAF.[57]

Lt Colonel J. H. Rose was the GSMO Chief throughout this period.

Fourteen releases for start of installation were given by GSMO through Department of Defense Production to the various contractors holding contracts for installation of the nineteen AN/FPS-6B's and four AN/FPS-20's executed by DDP during the month of September. Releases for the contractors to start installation were based on SAC-ADC Civil Engineering Liaison Office provided BOD's and assurance that all Ground Fixed Equipment (GFE) was available in proper condition on site. As of the end of this reporting period, installation starts for twelve AN/FPS-6B's were released. Two AN/FPS-20's were released and completed at C-23 and C-24.

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SAC-ADC Civil Engineering Liaison Office, in a case of RIP requirements, acted as the USAF construction agency in a managerial sense in Canada. Due to GSMO experiencing considerable difficulty in obtaining realistic status information, agreements were reached with the SAC-ADC Office for construction information needed by GSMO to form the basis of release for the contractors to start the installation.

Agreement was reached with Hq GEEIA, including CESAC, for GSMO to use abbreviated standard schemes during the initial period of CADIN implementation. This deviation was basically caused by the highly compressed schedule resulting from the new master CADIN implementation schedule and the contractual arrangements which were developed to meet required dates. These abbreviated schemes were amended engineering-wise upon receipt from the contractor of the site adapted and detail engineered bill of material.

During November 1960, GSMO participated with ADC and RCAF in a complete rewrite of the CADIN CEIP, bringing it in line with the approved Master 416L Specification and Master 416L System Implementation Schedule (of which CADIN was a part).[58] As a result of this effort, GSMO prepared a new financial plan used during the January GEEIA FY61 financial plan realignment. The submission included the projected

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financial requirements for CADIN for FY62. During December 1960, GSMO prepared and submitted to ROAMA the 1A and 1B Forms required to bring the H-1 report reflecting the CADIN workload in line with the System Specifications, System Schedule and the financial plan referred to above.

Contract request was released during this reporting period for the engineering-installation of two AN/GPA-89 s, two AN/FPS-6B's and one AN/FPS-20 to include all associated and ancillary equipment at C-42, and the same type and amount of equipment to be engineered and installed at C-44. This requirement was processed through the Hq to ROAMA and, in turn, to the Canadian Commercial Corporation. As a result of indecision on the part of RCAF Hqs and USAF as regards which surveillance radar was to be used, i.e., FPS-27 vs FPS-20, this requirement was held in abeyance at CCC. At such time as final decision was received, this requirement would be released by CCC to DDP for contractual action.

During the month of October, it was indicated by many RCAF organizations that an extreme lack of technical information as regards the decision configuration of the FPS-27 and its supporting structure existed in Canada. As a result of their desire to obtain more information, GSMO arranged and conducted, with the help of

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the Westinghouse Corporation and ROAMA, a detailed presentation of the FPS-27.

During the month of November, GSMO signed off, along with the Comptroller General of the Department of National Defense Inspection Services on the detailed "Terms of Reference" negotiated between the two organizations during the previous months. Full dissemination of these "Terms of Reference" which outlined in detail the services to be provided by DND/IS for and on behalf of GEEIA in Canada has been made to all agencies and organizations concerned.

The "Terms of Reference for the GSMO Joint Coordinating Committe" were coordinated on and signed off by Defense Construction Limited, Department of Defense Production, Canadian Commercial Corporation, Department of National Defense Inspection Services and this office. As previously reported, this committee will provide the GEEIA Systems Management Office with top level representation from all agencies concerned, enabling a mangement capability felt to be required for timely execution of our mission responsibilities. Copies of the "Terms of Reference" referred to above were disseminated to all interested agencies.[59]

Considerable time and effort was expended by GSMO in working with GEEIA, ESC, the RCAF and local USAF operating commands in an attempt to develop necessary policy and procedures for proper execution of AFTO 88

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certificates and still remain within the terms of reference of T.O. 31-1-8. On GEEIA organically installed facilities, it was believed that the basic objective was accomplished. In the case of prime U.S. contract installed equipment, however, with specific reference to the AN/FST-2B, AFTO 88's were accomplished under the signatures of GEEIA, ESC, and Burroughs representatives. GSMO was not completely satisfied that those signatures satisfy the basic requirements of then existing Air Force policy and direction regarding Ground C-E facilities inspection and acceptance.

Continuing effort was made during this reporting period to obtain or develop the necessary procedures wherein GSMO would have authority to approve minor changes to existing engineering-installation contracts, thus giving GEEIA a reaction capability to locally prevent work stoppages. As of the end of this reporting period, GSMO was advised by ROAMA/ROP that necessary basic authority was requested by that Directorate from the Commander, ROAMA and that upon receipt of this approval, necessary actions will be initiated with the Detroit Air Procurement District, its Liaison Office in Ottawa and GSMO for implementation.[60]

SAC ROAMA/GEEIA Field Office: The manning of the ROAMA/GEEIA SAC Field Office was of considerable interest to both SAC and GEEIA over a rather extended period of time.[61] The status as of this reporting period

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saw General Neal and General McDavid discuss the matter with General McDavid agreeing to furnish a qualified field grade communications officer from SAC resources in view of GEEIA's austere manning picture. To date nothing further had developed, although General McDavid and General Nead discussed the subject upon several occasions subsequent to their initial conversation.

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FOOTNOTES

CHAPTER THREE

1. GEEIA Organizational Directory Chart, 31 December 1961. Attached Appendix C.

2. A coordinated action with the consolidation of CESAC within the Directorate of Installations--Major Donatos, had previously worn two hats---that of Chief of the Materiel Office and Hq Sq Section Commandant. Consequently, General Neal left portions of same functions--under his jurisdiction.

3. ROAMA General Order #C-482, 30 September 1960. Attached Appendix C.

4. Extracted from CTS Office Semi-Annual Historical Report, 1 Jul - 31 Dec 60. On file Hq GEEIA.

5. GEEIA Special Order #P-62, 30 Aug 60. Attached Appendix B.

6. Extracted from Inspector General and Quality Assurance Office Semi-Annual Historical Report, 1 Jul - 31 Dec 60. On file Hq GEEIA.

7. "See note above".

8. "See note above".

9. GEEIA Regulation 74-1, 16 Mar 61. Attached Appendix C.

10. GEEIA General Order #1, 8 July 1960. Attached Appendix B.

11. Department of Air Force Special Order #C-1244, 15 Nov 60. Attached Appendix C.

12. Extracted from Directorate of Engineerings Semi-Annual Historical Report, 1 Jul - 31 Dec 60. On file Hq GEEIA.

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13. Extracted from Directorate of Plans and Programs Semi-Annual Historical Report, 1 Jul - 31 Dec 60. On file Hq GEEIA.

14. "See note above".

15. Extracted from Directorate of Installation Semi-Annual Historical Report, 1 July - 31 Dec 60. On file Hq GEEIA.

16. Extracted from Directorate of Personnel Semi-Annual Historical Report, 1 Jul - 31 Dec 60. On file Hq GEEIA.

17. GEEIA Commanders' Conference-List of Conferees'. Attached Appendix C.

18. Conference attended by this Historian--specific facts will be referred to in each area during the subjective discussion.

19. AMC General Order #96, 11 Oct 60. Attached Appendix C.

20. Extracted from European GEEIA Region Semi-Annual Historical Report, 1 Jul - 31 Dec 60. Attached Vol II.

21. AMC General Order #80, 30 Aug 60. Attached Appendix C.

22. Extracted from 2862nd GEEIA Squadron Semi-Annual Historical Report, 1 Jul - 31 Dec 60. Attached Vol II.

23. AMC General Order #96, 11 Oct 60. Attached Appendix C.

24. AMC General Order #114, 12 Dec 60. Attached Appendix C.

25. GEEIA General Order #2, 10 Oct 60. Attached Appendix C.

26. GEEIA General Order #3, 17 Nov 60. Attached Appendix C.

27. GEEIA General Order #5, 12 Dec 60. Attached Appendix C.

28. Extracted from Directorate of Plans and Programs Semi-Annual Historical Report, 1 Jul - 31 Dec 60. On File Hq GEEIA.

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29. "See note above".

30. Ltr, 22 Aug 60, Subj: Role of GEEIA in the Ballistic Missile Program. Attached Appendix C.

31. "See note above".

32. AMC ltr, dated 15 Sep 60, Subj: GEEIA Relationship in the ICBM Site Activation Task Force. Attached Appendix C.

33. Extracted from the Directorate of Personnel Semi-Annual Historical Report, 1 Jul - 31 Dec 60. On file Hq GEEIA.

34. "See note above".

35. AMC Sup 1 to AFR 26-3, 24 May 60 Attached Appendix C.

36. Memorandum of Agreement, 9 Dec 60, and cover ltr Subj: ICBM Intersite Communications. Attached Appendix C.

37. "See note above".

38. "See note above".

39. "See note above".

40. AFR 20-17. Attached Appendix C.

41. Extracted from ROAMA/GEEIA ADC Field Office Semi-Annual Historical Report 1 Jul - 31 Dec 60. On file Hq GEEIA.

42. "See note above".

43. "See note above"

44. Ltr, GEEIA 18 July 1960, Subj: Implementation of Revised Air Defense C&W Program. Attached Appendix C.

45. Personal knowledge gained by this Historian at the July 1960 Commanders' Conference.

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46. Extracted from ROAMA/GEEIA AACS Field Office Semi-Annual Historical Report, 1 Jul - 31 Dec 60. On file Hq GEEIA.

47. "See note above".

48. "See note above".

49. Extracted from 2866th GEEIA Squadron Semi-Annual Historical Report, 1 Jul - 31 Dec 60. Attached Vol II.

50. Extracted from ROAMA/GEEIA AACS Field Office Semi-Annual Historical Report, 1 Jul - 31 Dec 60. On file Hq GEEIA.

51. "See note above".

52. San Antonio Air Materiel Area Special Orders #4131, 22 Jun 60. Attached Appendix B.

53. Extracted from ROAMA/GEEIA BMC Field Office Semi-Annual Historical Report, 1 Jul - 31 Dec 60. On file Hq GEEIA.

54. "See note above".

55. "See note above".

56. Extracted from ROAMA/GEEIA AACS Field Office Semi Annual Historical Report, 1 Jul - 31 Dec 60. On file Hq GEEIA.

57. Extracted from GEEIA Systems Management Office Semi-Annual Historical Report, 1 Jul - 31 Dec 60. On file Hq GEEIA.

58. "See note above".

59. "See note above".

60. "See note above.

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61. GEEIA ltr, 2 Aug 60, Subj: Manning of ROAMA GEEIA Field Office. Attached Appendix C.

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SUPPORT PROBLEMS AND ACCOMPLISHMENTS

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SUPPORT PROBLEMS AND ACCOMPLISHMENTS

Under this general category will fall those programs and functions supporting GEEIA's mission. The programs will be gone into in detail, or discussed in brevity, depending upon the importance of the items relation to the overall GEEIA mission.

Funds: GEEIA received AMC FY61 P437 Financial Plan Mark-up on 6 July 1960, which allocated $64.4 million for GEEIA's operation in the forthcoming year (including CESAC). This was a reduction of $19.2 million from the Financial Plan as originally submitted. [1]

Plant/Place and Base Wire and Telephone Development Schedules were disapproved ($2,650,000) on the basis of existing Base Master Planning documents, Base Authorizations, SFELS, and Program documents which were available and which AMC believed would serve the purpose. Other requested contractual effort such as a Tropo Radio Manual ($10,000), Screening Techniques ($75,000), Data Recall System ($50,000) and Electromagnetic Radiation Surveys were considered as R&D as opposed to GEEIA responsibilities.

Contractual activities including CADIN, DEW EAST, Technical Engineering Assistance, etc. were approved in amount of $21.5 million and $14.3 million for BMD Intersite Communication Installation was included in total approved $64.4 million. However, this amount was

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withheld by Hq USAF and later designated as P482 money, reducing the approved GEEIA ABA to $50.1 million.

GEEIA's 1st quarter FY61 Committment and Obligation Forecast submitted to ROAMA was as follows:[2]

	1st Quarter
Committed	$23,036,206
Obligated	$21,430,206

Actual performance was:

	1st Quarter
Committed	$22,743,153
Obligated	$16,155,722

The slippage of $5.2 million in Obligations was due largely to Hq AMC not obligating the CTS Program as scheduled. On 9 December 1960, ROAMA advised GEEIA that 1st quarter committments and obligations limitations were $23,536,206, including BM money.

As a result of the GEEIA Briefing at Hq USAF 27 July, the statement that EM Radiation Surveys were an R&D responsibiility was deleted from the P437 mark-up. Actual funds were not involved, as GEEIA had only requested clarification of its responsibility in this area.

Each Region was notified that $233,000 was available for overtime for FY61. This equaled approximately 3% of Base Pay, the

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maximum amount authorized. Hq GEEIA maintained no reserve. As of 31 December total GEEIA overtime usage amounted to $87,125, well within the authorization.

On 25 Aug 60, a letter was sent to Hq USAF thru AMC requesting AFM 172-1 and AFR 20-17 be changed to clarify the status of GEEIA E/I personnel and/or teams. A misinterpretation of appropriate directives was made by SAC in considering GEEIA teams on extended TDY as "Special Activities". Hq USAF took no action on our request.[3]

During September GEEIA's FY61 AMC approved Financial Plan of $64,470,000 was reducted to $50,059,000 as follows:[4]

*Pay and Related - Increased	$ 401,000
** Travel - Decreased	$ 400,000
***Contracts - Decreased	$14,322,000
****Transporation - Decreased	$ 91,000
	$14,412,000

*Tansferred from P432 to cover CESAC pay and related costs.

**Withdrawn by AMC to Support SATAF.

***BMD contract funds transferred to SAC.

****Transferred to P438 for CESAC First Destination Transportation.

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An impact statement was forwarded to the ROAMA Comptroller with respect to the $400,000 TDY cut (12%).

ROAMA was advised by AMC that GEEIA's request to include rental of specialized tools and equipment not otherwise available from AF resources for GEEIA under P437 was approved. Hq AMC policy placing these costs under P438 was rescinded.

During December 1960, ROAMA notified GEEIA that the USAF/AMC Markup to the 1st revision to the Annual Financial Plan was received. Total GEEIA Requirements were $57,354,000 and the mark up was $54,197,500 leaving a deficit of $3,156,500. The 2nd Revision to the Annual Financial Plan submitted to ROAMA on 30 December showed a total requirement of $58,686,000. In comparison the 1st Revision Financial Plan Mark-up showed a deficit of $4,458,000 to this amount. The major categories of this latter deficit were: [5]

Payroll and Related	$ 630,000
Travel and Transportation	654,000
Contract Technical Services	440,000
Contracts	$1,996,000
CESAC	729,000
	$4,458,000

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The major portion of the payroll deficit was due to failure of AMC to fund the civilian pay raise. Sufficient funds were anticipated upon passage of the Appropriation Act before Congress. The CTS decrease was based on FY60 experience inasmuch as recorded obligations total $8,899,000 against a BA of $8,986,000. ROAMA assumed the responsibility for adjusting this deficiency with AMC. There was no deviation between object classes authorized by AMC except within Travel and Payroll and related areas.

Programming: In order to give a clear understanding of GEEIA's progress during the first half FY-61 vs FY-60 it may be appropriate to explain FY-60 so that the scope of the job which GEEIA inherited may be understood. When GEEIA finally assembled its workload to the point where it could be identified, the indications were of the following magnitude. GEEIA had inherited approximately 15,000 jobs of which some 60% were either delinquent or about to be. After identification, many were recognized as invalid while others in the program document were not identified and placed in the engineering and installation schedule. In January 1960, Headquarters GEEIA started action to review, with the major commands, the scheduled workload in the engineering-installation schedule. This determined the additional workload and that portion of the reflected workload which

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was invalid because it had been installed without being signed off or had ceased to exist.

The review got under way in late January with a visit to ADC with subsequent visits made to other commands until each had been visited.[6] This detailed review correlated the commands program document with GEEIA's engineering-installation schedule, and resulted in a net GEEIA workload decrease of nearly 4,000 jobs. In actuality the gross cancellation far exceeded 4,000; however, the new workload which was discovered resulted in only a 4,000 net job decrease. The program continued with 4169 jobs completed with AFTO 88 action, and the addition approximately 4,300 schemes during the review. At first blush, it would appear that the program grew faster than GEEIA could implement, but this was not quite the case. Through the first six months of FY-61 GEEIA was able to keep abreast of the program and even eliminate part of the delinquent workload.

After the cancellations, completions and program growth had been computed, GEEIA's total workload as of 1 July 1960 totalled 11,268 jobs. Of this number, nearly 4,000 were delinquent by the operational required date. In addition to this reflected delinquent workload, GEEIA had a programmed workload for FY-60 of 3,637 jobs due during the FY-61 program.[7] The total program growth during the first 6 months of FY-61

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was slightly over 2,600. Some of the growth included in FY-61 could be attributed to a late recognition of requirements by GEEIA and the many programs which came into the system early this fiscal year. The phase back of the ADC AC&W Program depicts this situation neatly. This Project (Plan X) resulted in some 200 additional jobs to be accomplished in FY-61 with completions as of 31 Dec toataled 2,226. By taking the program from 1 July and adding a growth of 1,352 schemes, GEEIA ended with other 5,100 schemes to be installed in the FY-61.

During the first three quarters of FY-60, GEEIA had been able to install 1963 jobs. However, with an all out effort in the fourth quarter GEEIA installed an additional 1,600 with AFTO 88's signed and an additional 700 were in the last stages of installation either by contract for which FY-60 money had been obligated or organic resources with FY 60 monies obligated to cover travel and per diem. If the last 700 were disregarded, and only the 1,600 considered, it would indicate that once momentum was gained with contracts prepared and material and organic resources scheduled for maximum utilization, GEEIA was able to do the job most satisfactorily.

As of 1 July 1960, GEEIA started this fiscal year with 11,286 schemes on its records. Of the 11,286 schemes on record, 5,827 were in the engineering phase with 53% of those jobs behind schedule. 2,962 schemes

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were in the supply phase of which 74% were delinquent. 1,894 schemes were in the installation phase of which 64% were delinquent. As of 31 December 1961, the program reflected 11,679 total schemes on the engineering-installation schedule. Of this number, 4,422 schemes were in the engineering phase with only 17% behind schedule. This represented a decrease of the total engineering workload remaining to be accomplished with delinquencies decreasing from 53% to 17%. This meant that GEEIA moved the jobs through the engineering phase at a much more favorable rate than in the past. It appeared that by the end of the year, GEEIA would reduce the delinquent workload in engineering to an insignificant percentage factor.[8]

In addition, as of 31 December there were 2,351 schemes in the supply phase as compared to the 2,962 in the supply phase of 1 July. The significant factor here was that of the 2,357 in the supply phase, only 47% were delinquent as compared to the 74% delinquent 1 July, representing a decrease of 33% in supply delinquencies. This was a remarkable improvement in view of the fact that the engineering rate had increased so rapidly during the same period.

In comparing the installation phase of 31 Dec 60, against the 1 July position, the total jobs in the installation phase had more than doubled. This was no more than could be expected. When engineering

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completions and supply completions were expedited, jobs naturally increased in the final installation phase. The significant factor was not the total jobs in the installation phase but the percentage delinquent in the installation phase. As the jobs moved from the engineering phase through supply phase, many previously delinquent in their operations date, it was common to expect a great increase in installations delinquencies. However, this did not occur. The percent of delinquencies in the installations phase actually decreased by 5 percentage points from 64% on 1 July to 59% as of 31 Dec 60. As indicated, the total number delinquent in installation phase was greater as of 31 Dec than of 1 July, but this was expected to be a temporary situation, with the total delinquencies in the installation phase anticipated to show a marked decrease, perhaps as much as 50% of its rate by FY-62.

At the same time 145 CEIP's, 10 ACERPS and 1381 AF Form 524's were processed by Hq GEEIA. [9]

New Program For The H-1 Report: This program, when run on the 1105 ROAMA computer would give GEEIA a more flexible report, faster than the previous H-1 procedure. In addition to the improved information and speed, it was seen possible to match the H-1 against the PCSP and the CESAC Program. This match could be done within the computer

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and would provide a close check on the whole reporting system. [10]

Each GEEIA Region Commander sent representatives to Hq GEEIA the latter part of August to review the ROAMA H1 Report. Region and Headquarters suggestions were evaluated with the final decisions being incorporated in a revised GEEIA Reg 100-5 and a revised AMC Manual 171-1. [11]

Continuous effort was expended to refine the ROAMA H-1 Report. GEEIAR 100-5 was rewritten to provide different methods of reporting and the change in distribution of the card decks. This provided more accurate updating of information for both the Headquarters and the Regions. A study group was organized and the results of the study were prepared but a decision was not made as of 31 Dec. A number of internal changes were made to the report to remove obsolete requirements and replace them with valid requirements. These new requirements were programmed and wired into the program panels of the IBM 407. [12]

Following the GEEIA Commanders' Conference, July 1960, Hq GEEIA revised the C-E Engineering-Installation Schedule and Status Reporting System in an effort to satisfy the "customers" requirments for timely and accurate information on their C-E programs.

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The revised reporting system was implemented 1 November 1960, and included the following reports to each of the Major Commands or "Customers".[13]

(a) A quarterly Command Summary Report (RCS: ROZ-H3) was furnished each Command in narrative form, providing program status, any factors delaying the program, and corrective action taken to correct the delay.

(b) Host and Using Command E-I Schedule and Status Reports (RCS: ROAMA H-1). The Host Command report was a tabulation by command, base, facility and operational date. The Using Command report was a tabulation by CEIP, host command, base and facility. These reports contained pertinent C-E scheme information and schedule milestones as follows:

(1) Scheme Designator

(2) SFEL package and quantity

(3) BOD/SSD milestone

(4) Current operational date

(5) Schedule installation completion date

(6) Current implementation phase

(7) Time phasing status

(8) Remarks

(9) Narrative scheme description

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The format of these reports was changed in an effort to enhance readability. Three copies of these reports were forwarded to each customer on a monthly basis.

(c) Special E-I reports were forwarded on an "as required" basis, to inform Commands of any changes to the schedule which forecast a delay in the completion of a C-E facility by the current operational date.

Each subcommand was also furnished E-I Schedule and Status report information by the ZI Regional headquarters, when this requirement could be satisfied by their supporting statistical services activities. In this reporting area, GEEIA was dependent completely upon its host base for data processing support.[14]

GEEIA Regulation 100-5 was revised to implement the new reporting system outlined above.[15]

Organic Installation Utilization: GEEIA worldwide manpower utilization for this period was 85% as compared to 80% during the first six months of this year.[16] The highest utilization was 120%, reported by Central GEEIA Region for the month of August 1960.

ECLS: Erection Kits for the Rigid Radome installation program was satisfied. Five kits were delivered to Alaska and

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and fifteen kits have been delivered to the Zone of Interior Regions to satisfy their requirements.

A survey of ECL kits was conducted in December throughout the three ZI GEEIA Regions. The result of this survey indicated that major changes in ECL kits 13002, 13601, 713, 714, 715, 716, 717 and 719 were necessary to increase the effectiveness of the GEEIA installer personnel.[17] Each of the ZI Regions were to submit suggested changes to these ECL's which Hq GEEIA would consolidate and coordinate the changes with the responsible agencies. Final action was expected by the end of the 3rd quarter FY 1961.

A total of 18 schemes which were identified required the acquisition of a new type wire-wrap tool to be utilized in their installation during the next 12 months. Special terminals were designed for the use of this tool, which will reduce the installation manhour requirement. These 18 schemes represented the first of many equipments to be manufactured, utilizing this type connection. An advanced information letter was sent to all GEEIA Regions identifying the requirement of this tool and the associated schemes. A representative was sent to the factory for familiarization and to lay the basis for publishing standard installation instructions for the use of the wire wrap tool.

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AMC was also requested to amend AMC Supplement #1 to AFR 67-24, authorizing GEEIA C-E Installation Teams to rent minor items of equipment to prevent work stoppage. On 9 December 1960, AMC advised GEEIA that this request was under study and results would be known during January 1961. [18]

Personnel: The need for increased space allocations to assist GEEIA in performing its assigned mission. was a continuing problem. The status of GEEIA's manpower requirements submitted to higher Headquarters was as follows: [19]

Date Submitted	Identity	Qty	Category
28 Apr 60	Admin Support, ROZM	20	GS
27 Sep 60	C-E Engr'g Wkld, Engrs	291	GS or Mil
27 Sep 60	C-E Engr'g Wkld, Clerical	58	GS
27 Sep 60	C-E Engr'g Wkld, Drafting	34	GS or Mil
10 Oct 60	ICBM On-Site Support	63	23 Mil, 40 GS
10 Oct 60	Bedford-GEEIA Fld Ofc	5	2 Mil, 3 GS

As a result of GEEIA's assumption of Air National Guard Training responsibilities, Personnel responsibilities were increased to absorb personnel actions involved in office manning and administration of 7 GEEIA units.

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A total of 24 officers and 24 airmen authorizations were received, effective 1 October 1960 and 1 January 1961, for the supervision of training and inspection of the GEEIA Air National Guard units. Organizationally, the GEEIA ANG units were designated as Operating Locations of the GEEIA Region responsible in the geographical area where the ANG unit was located.[20]

Progress was made toward implementing or finalizing various personnel programs, and improving the overall personnel reporting system. For example:[21]

(1) The Job-Man Matching System, under-development prior to June 1960, was within 80% of completion.

(2) Improvement was noted in the quality and timely submission of Manning and Informational Rosters, and development and implementation of the Officers Retention Program, GEEIA world-wide. Special attention was also given to identify for retention GEEIA qualified NCO's. The names of those NCO's, recommended for retention by their Commanders, were nominated to higher Headquarters for reassignment within the GEEIA complex. The program was particularly successful with overseas returnees. The ZI GEEIA NCO's programmed for overseas withdrawal, were earmarked for retention, and in many cases, higher Headquarters

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insured reassignment to a GEEIA overseas unit. Thus, retention of a hard core of professionally trained and experienced NCO's in the GEEIA complex was being accomplished.

The processing of airmen overseas withdrawals was improved through the adoption of a card system, accounting for shipments by line number. In addition, statistical rosters were manually posted, to ensure that airmen, once selected for reassignment or in "administrative freeze" status, were not nominated as replacements for ineligible airmen.

Field Grade and Above Officer Allocation: The table of Manning Authorizations, dated 1 October 1960, effective FY 2/61, provided Hq GEEIA with an increase of 51 Officer spaces in exchange for a like number of civilian wage board spaces.[22] Issuance of these officer allocations successfully completed manpower efforts to obtain increased military managerial capability GEEIA wide. The authorizations will be used throughout GEEIA in alignment with the GEEIA standardized organization as follows:[23]

(1) Hq GEEIA to receive one (1) Colonel, 10 Lt Colonels.

(2) Eastern GEEIA Region to receive one (1) Colonel, two (2) Lt Colonels, three (3) Majors and one (1) Captain.

(3) Central GEEIA Region to receive three (3) Lt Colonels, and four (4) Majors.

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(4) Western GEEIA Region to receive three (3) Lt Colonels, and three (3) Majors.

(5) European GEEIA Region to receive two (2) Lt Colonels, and one (1) Major.

(6) Pacific GEEIA Region to receive two (2) Lt Colonels and one (1) Major.

(7) GEEIA Squadrons to receive 12 Lt Colonels as Squadron Commanders.

(8) GEEIA Squadrons to receive three (3) Majors as Operations Officers.

Wage board spaces were reduced accordingly as follows:

(1) Central GEEIA Region - 20

(2) Eastern GEEIA Region - 21

(3) Western GEEIA Region - 10

Study of Civilian Deputy Positions GEEIA wide: Hq AMC directed that military-civilian supervisory positions be reviewed in line with current policy to ensure that the number of high-grade civilian positions utilized is the minimum essential required to perform the assigned mission. Particular emphasis was to be placed on the extensive use of Deputy and similar type positions. These positions were to be re-examined to determine whether or not deputy and similar type positions had been

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established in some cases when the need for two positions at the same organizational level did not exist. Further, in some areas, a deputy position was used as a subordinate supervisory position, which actually called for highly trained individuals responsible for providing technical advice and the workload continuity required from a technical standpoint. Hq GEEIA conducted a GEEIA-wide review of all established positions classified as deputies, assistant supervisors and advisors-to-the-chief along these factors:

(1) Period of time the chief was absent due to TDY, conferences etc.

(2) Need for active supervision during the chief's absence, and whether or not it could be carried out by lower echelon supervisors.

(3) In the case of non-supervisory advisors to chiefs, statements were requested that each was clearly necessary to provide the chief and higher echelons of the organization with technical advice, guidance and assistance, that this support was not available within lower echelons of the organization, and that it was necessary for continuity from a technical standpoint.

Studies of this data indicated sufficient justification for the positions to be continued as established, with the exception of one position in the Western GEEIA Region, which was directed to be changed in title. A

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letter was forwarded to Hq AMC through ROAMA summarizing continuation of the supervisory positions on the basis of the following factors:

(1) From 23% to 69% absence by military chiefs to attend high level briefings, or TDY to coordinate programming, engineering installation and supply support of C-E facilities, world-wide.

(2) GEEIA's participation in high priority C-E program, which supported the operations of major air commands required people with the ability and authority to make decisions of a technical and operational nature.

(3) The basic organizational structure GEEIA wide was laid out along Directorate, Division and Branch lines with the functional areas of responsibilities defined as follows:[24] Directorates had overall programming and directional responsibility; subordinate divisions were responsible for separate categories, i.e, Air Defense Systems, Communications System Division; Branches specialized in areas such as Radar systems, wire systems, etc. Continous supervision and overall knowledge of a Directorates or Divisions daily operations was required for smooth program continuity. Consequently, supervision from lower echelons during absence of military chief would not be feasible.

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(4) Since GEEIA's internal operation was Global in scope, the multitude and scope of actions requiring high level attention exceeded the capability of one individual.

(5) Dual staffing down to Division level was established by the USAF committee and GEEIA Cadre in 1958 when the GEEIA organization was approved by USAF. [25]

Control of Supervisory and High-Graded Civilian Positions: AMC Sup 2 to AFR 26-4 established new procedures for controlling high-graded positions, GS-9 and above. A monthly AMC RCS reporting requirement was set up with specially devised coding for use by the Manpower and Civilian Personnel Offices, to identify all changes, and the causes of these high-graded changes, i.e. added workload, redistribution of functions, supervisory positions, application for new classification standards, etc. GEEIA Regulation 26-2 was being revised to reflect the required procedural changes with interim instructions furnished GEEIA offices. [26]

Rotation of Civil Service Personnel From Overseas Program: New impetus was given to this program through personal letters from General Neal to each Region Commander, expressing his interest in the program and requesting that each Commander furnish results of his interviews

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with high-graded civilians assigned to his Region to the Hq GEEIA Personnel Office. The information gathered by overseas GEEIA Region Commanders indicated names, grades and job titles, areas of job experience and special proficiencies, anticipated DEROS date, and expressed interest in GEEIA area to be assigned. The ZI GEEIA Region Commanders forwarded information on their high-graded civilians who were interested in being transferred overseas. The goal of the program was to effect rotation of GEEIA civilians through programmed job swaps. However, the Executive Order, dated November 1960, imposing a restriction on travel overseas by dependents, stifled the desire of ZI GEEIA personnel to rotate overseas.[27]

CTS Program: GEEIA used CTS, GS, Military, and Type I contract personnel in support of the GEEIA engineering workload. The manpower ceiling limited the number of GS and military which could be assigned within GEEIA. The CTS manmonths ceiling and funds provided limited the CTS man-months which could be employed within GEEIA. Type I augmentation was not limited by manpower ceilings, but was restricted to the amount of funds available. GEEIA had these four (4) resources for its supporting workload. Since various limitations and restrictions were imposed upon each, the workload

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which could not be supported by the total accumulation of these resources could not be completed.[28]

AFR 66-18 vs Type I AFR 66-17 Augmentation: Under the provisions of paragraph 7.m. AFR 20-17, GEEIA augmented its engineering and installation force by use of Direct Contract or Type I and Contract Technical Services Personnel. The augmentation of the Type I contract was similar to that utilized under contract maintenance programs governed by AFR 66-17. Requirements which reflected a need for the use of Type I augmentation were verified by a thorough review of GEEIA's manpower capability by Hq GEEIA. After a complete analysis of the GEEIA world-wide capability to perform a specified job, it was decided whether Type I or Direct Contract augmentation was required. Type I contract augmentation in GEEIA's organic workload consisted in the main of contract monitoring, scope of work preparation, final checkout and acceptance. Services could be obtained for engineering and installation functions providing these services had an end result, such as reports, C-E Scheme, or an installed facility which provided some basis for payment.[29]

Under the provisions of AFR and AFM 66-18, the CTS requirements were justified on the basis of workload that could not be supported by the authorized military and civil service personnel. This was accomplished

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on an annual basis to Hq USAF, through Hq AMC, in accordance with AFM 66-18, Chapter 2. The use of CTS personnel under the provisions of AFR and AFM 66-18 was preferred over Type I services. AFR 66-18 types were less expensive by approximately 25 per cent, $1,014.15 vs $1,269.26 per man-month of similar service. AFR 66-18 services were contracted for on a yearly basis and great flexibility was realized at no additional cost to the program for the services. Type I contract services were not flexible enough to incorporate changes as they occurred and were required without a staggering cost increase. Much more control and detailed managment could be experienced over individual CTS. CTS personnel became a substantial part of the GEEIA organic capability and must almost be considered organic since they directly augmented GEEIA's military and GS capability and produced the largest group effort in the overall GEEIA workload. [30]

Utilization: Under the provisions of and as provided for in paragraph 3.d., AFR 66-18, dated 24 Nov 1958, CTS personnel were used throughout GEEIA to augment the capability of military and GS personnel to perform actual job engineering. This was necessary due to the lack of qualified in-service personnel presently assigned to GEEIA. It seemed apparent that at no time in the near future would either the quality or

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quantity of non CTS personnel be assigned to GEEIA. The reasons were obvious and could be summed up simply --- extremely high qualification requirements demanding a higher wage level for which the government could not or would not compete, plus the in-service manpower ceilings imposed on GEEIA.[31]

CTS personnel assigned to the five GEEIA regions performed field engineering, that is, they performed site surveys, adapted installations standards to specific geographical locations, prepared C-E Schemes, performed operational and acceptance testings of C-E installations, performed engineering studies, provided technical assistance to major air commands, etc. There were 585 total authorized spaces assigned to the Hq and five regions as follows:[33]

LOCATION	SPACES	ASSIGNED
Eastern GEEIA Region	74	73
Central GEEIA Region	46	45
Western GEEIA Region	119	118
European GEEIA Region	83	80
Pacific GEEIA Region	85	84
Hq GEEIA	178	165
TOTAL	585	565

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This assignment of CTS personnel among the five Regions was made consistent with the workload requirements as submitted by each.

CTS personnel assigned to Hq GEEIA performed systems engineering, such as, establish engineering and installations standards, prepared general drawings, prepared SFELs, developed technical criteria for compatibility, performed tests associated with compatibility, etc. CTS personnel were not used for direct supervision; all CTS personnerl were supervised by GS or military personnel. CTS personnel were not used in managment positions, procurement or contractual areas.

It became necessary with a team of CTS engineers in a specialized engineering field, when military or GS are not available to use one (1) CTS person as the official spokesman or team leader in technical matters. This was occasionally expected of our senior CTS engineers. These senior engineers were also used as technical advisors to military and civil service personnel in complex technical matters.

The Dayton Air Procurement District (RCHBCA) Wright-Patterson AFB, Ohio was responsible for the action on the obligation document. Hq GEEIA Office of CTS Program maintained a running budget account

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of all CTS funds utilized throughout GEEIA, was accomplished through the processing of all Certificates of Service each month. The actual accounting and billing against these obligations was made by the Dayton Air Procurement District (RCHBCA).

The FY-61 CTS requirments and augmentation plan called for 7,020 man-months of Contract Technical Services.[33] This requirment was less than necessary to support the systems and field engineering workload identified beyond GEEIA's military and civil service capability. It was hoped the remaining workload could be accomplished by Type I contract and additional military and civil service authorizations. The estimated cost of this 7,020 man-months of service was $9,302,000.00.

GEEIA's FY-61 CTS Program of 7,020 man-months was approved by Hq USAF and was based on the continuation of the FY-60 program of 6,060 man-months providing for the conversion of some 80 type I or Direct Contract engineers (AFR 66-17) to Contract Technical Services (AFR 66-18) status. This conversion resulted in a 25 per cent cost reduction which better identified the engineering resource and provided more direct organic monitoring and control of the engineering product.

The final approved FY-61 CTS budget for the 7,020 man-months of service was in the amount of $8,986,000.00. This was some

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$315,500.00 less than was considered necessary to manage the program. It was felt, however, that the man-months slippage, based on past performances, during FY-61 would be sufficient to offset this amount. Whatever man-months were lost in a budget reduction of this kind had to be contracted for by Direct Contract or Type I. As noted previously, this type of service was more costly, ineffective and less flexible than the CTS engineers who were under the day-to-day supervision of military or civil service supervisors.[34]

In starting off FY-61, GEEIA gained three new contractors, ACE (subsidiary of Cook Electric), Alpha Corporation (subsidiary of Collins Radio), and the Franklin Company. Eighty (80) new line items were authorized for FY-61, with ACE acquiring 24 lines, Alpha 8, and Franklin 10. The remaining 38 spaces were allotted to contractors already supplying services to GEEIA. By the end of July Alpha had filled their contract requirement of 8 spaces; ACE, by the end of September 1960, had filled only 19 spaces, and by the end of December 1960, 2 spaces still remained to be filled. Franklin fulfilled their 10 spaces requirement by 1 October 1960. Due to the inability of some contractors to provide qualified engineers, GEEIA experienced a slippage of 120 man-months during the first half of FY-61.[35]

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During the second quarter of FY-61, GEEIA was advised by Hq AMC that GEEIA's CTS Program had been further reduced in the amount of $284,000.00 and a man-month slippage in the first quarter of FY-61 of $164,826.00. It was decided that GEEIA could absorb this loss since no immediate solution was anticipated in eliminating the program of slippage, overtime, and TDY was not excessive and non-billable days were more numerous from 1 July through 31 December than the last half of the fiscal year. This reduction will not curtail the man-months requirements stipulated in the program. A further reduction, however, could seriously impair completion of GEEIA's workload requirements. The Office of the CTS Program was carefully monitoring the remaining programmed obligated funds.

Of the nine (9) "To Be Determined" (TBD's) vacant lines carried over from FY-60, two lines were awarded as sole source requirements. One (1) went to Federal Electric as a NAVAIDS/TACAN Engineer and one (1) to Western Electric as a Radio Engineer, with specialization in KY-9 Ciphony Equipment. The remaining seven (7) TBD's were put out to open competitive bidding, with the Madigan Corporation expected to sign contract terms in January 1961.

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The GEEIA FY-61 CTS Program inaugerated a four title system of rating its engineers, i.e. for Hq GEEIA - Systems and Senior Systems Engineers, and in the regions - Field and Senior Field Engineers. Four standard job descriptions were developed to encompass the desired background of experience and educational requirements. Eighteen (18) individual and specific specialty requirements were also developed to complement the standard pb levels. This Headquarters had some misgivings as to the feasibility of this system to work harmoniously to everyone's satisfaction.[36] After four months of operation it was decided to eliminate the senior titles and return to Systems Engineers and Field Engineers. The four standard levels were rewritten and condensed into two (2) job levels, one for Systems requirements and one for Field requirements.[37] The 18 specialty requirements remained unchanged. Hq AMC was in complete agreement on the elimination of the senior titles.

Contract manhours for installation were not directly known, as this was a dollar program. However, a ballpark figure could be derived which was indicative of this ratio. To obtain the figure, contract installation dollars are divided by $7.50, the estimated cost per hour for installation type personnel, after dollar deductions were made for local purchase items and travel.

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The resulting figures showed 58.4% installation manhours were organic and 41.6% contract.[38]

It might be emphasized that these figures did not include the sizeable P800 fund area for which GEEIA had installation monitoring and acceptance responsibilities, e.g., the AirCom Quickfix project.

Realizing that more effective utilization and significant economy could be achieved by reducing the requirement for CTS personnel, GEEIA was established with the guidelines that the functions performed by CTS personnel should be handled by in-service military and civil service personnel whenever possible. Progress towards the fulfillment of this objective was most slow. Notwithstanding, GEEIA was directed to energetically pursue conversion possibilities by higher Headquarters, but manpower authorizations to effect such a reduction were not made available. Further obstacles were experienced in reducing CTS by the lack of sufficient input of qualified military and civil service personnel into the Air Force. The attractiveness of industry and high standards of civil service have made recruitment for authorized spaces extremely difficult.[39]

Training. The following training actions took place during this period.[40]

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Equipment/Course	Spaces Requested	Spaces Received
Tektronic Scope	Conducted on Base	13
AN/FPS-26	23	0
AN/GKA-5	6	0
AN/FT-49	16	10
TSEC/KX-3	6	3
TSEC/KG-3	87	6
TSEC/KW-22	Submitted in previous qtr	4
TSEC/KO-6	" " " "	6
TSEC/KY-1	" " " "	2
AN/GPA-73	16	16
Solid State Devices	12	12
Digital Data	50	0
Telephone X-Y Dial	21	0
Telephone Strowger Dial	18	0
Telephone K-60 Dial	17	0
CA-Recorder	6	0
433L Engineer	9	0
Installation Courses		
ATS 36171-1	Continuous	17

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ATS 36150-1	Continuous	18
ATS 36250-6	"	0

The ATC Installation Courses, ATS 36171-1 Cable Splicing; ATS 36150-1 Outside Plant; ATS 36250-6 Inside Plant were implemented during this period. These courses were designed to furnish C-E personnel that had maintenance backgrounds with installation concepts and practices to accelerate their capability to perform their portion of the GEEIA mission. Headquarters USAF approval was obtained to utilize the 4 January 1961 classes, except 4 spaces in 36171-1; 4 in 36150-1; and 2 in Course 36250-6 for personnel from the European GEEIA Region.

A proposed Air Force Unit Training Standard was forward in accordance with AFM 50-1. USAF action was not received.

A survey of ZI GEEIA Regions to support Air Training Commands FY 62 and 63 training budget resulted in a GEEIA requirement for 97 civilian and 775 military spaces.[41]

The three ZI regions were requested to perform an evaluation of graduates of AN/GKA-5 and the installation courses. This evaluation included student on-the-job capability, effect of the training and any effects as a result of the training.

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The On The Job Training Program was heavily stressed. A thorough analysis was made of each unit's OJT program and many recommendations were made for improvement.[42] New reports from subordinate units provided management information from which OJT progress could be determined. Command attention was given toward OJT in an effort to place greater emphasis on the importance of OJT as a substitute for formal training wherever possible.

Hq Air Training Command has established several "GEEIA Type" courses upon request from this Headquarters. Three of these courses were placed in effect during this reporting period. They were, as noted earlier, 36150-1 Outside Plant Installations; ATS 36250-6 Inside Plant Installation; and ATS 36171-1 Cable Splicer Technican. A fourth course, ATS 30373-23 Test Equipment Techniques and Operation, was to be established early in CY 1961. These courses were to train GEEIA airmen in standardized techniques for the respective operation of all units. When course definitization was completely accomplished, airmen inputs to GEEIA would be channelled into these courses prior to reporting to GEEIA for duty assignment.[43]

Communications Electronics Schemes Accounting Control (CESAC):

On 1 October 1960, CESAC with its total personnel strength of 93 became an organizational component of Headquarters GEEIA.[44] The CESAC Scheme

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Accounting Control functions were transferred from the ROAMA Directorate of Supply and Transportation and combined with the functions of the GEEIA Directorate of Installations, redesignated as the Directorate of Installations and Materiel.

CESAC was not new to GEEIA. Essentially, it had served as the supply agency for GEEIA since the consolidation of the Ground Electronics Installation functions under one centralized agency and the supply functions didn't change under the new organizational assignment.[45] CESAC's mission remained to supply all the initial installation PCSP-controlled electronics equipment and supporting hardware material required to make a given facility operational.

CESAC entered the reporting period (1 July - 31 Dec 60) with 2836 active schemes on hand. During this six months, 1713 schemes were published and shipment on 1393 schemes was effected. As of 31 Dec 60, 3202 active schemes remained on hand.[46]

Prior to 1 July 1960, the various GEEIA Regions "Called out" specific schemes 90 days before the material was required at site. The call-out process was made automatic and advanced to 120 days before the MRD. The additional 30-day period was utilized to procure, through requistion or local purchase, the missing items which previously prevented shipment of completed schemes. When all

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material was not available for some unavoidable reason, shipment was only made at the direction of the using Region upon acknowledgement that the missing items would not unduly hamper normal installation.[47]

CESAC worked on extensive plans for the conversion during early 1961 from mechanized operations under the Univac File Computer to the Sperry-Rand 1105 Computer. This new computer facilitated the publication of Bills of Material, eliminated time-consuming reproduction operations in scheme publication and shipment cycles, and permitted constant daily up-dating of transaction records.

In addition the Remington-Rand Automatic Synchro-Tape for the preparation of local purchase documents was installed. This system utilized a pre-punched tape for each item with previous "buy" experience, and permitted instantaneous preparation of purchase requests with an automatic typewriter, while reducing measurably the document preparation time on items with lengthy stock description.[48]

Prior to the end of December, CESAC reorganized the scheme management operations to be more compatible with the Region concept. Formerly, two branches had handled all schemes from all Regions, by specific type or facility; i.e., weather, SAGE, TACAN, etc. Under the reorganization, scheme management personnel handled all schemes

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for all facilities, by specific GEEIA Region. In addition, a new Systems Management Branch was established for the control and monitoring of all Systems or Programs in CESAC with which GEEIA was concerned from a supply standpoint. The Systems Management Branch also incorporated the shipment Control Section which was responsible for controlling and coordinating actual movements for materials to the end destination from various Air Force storage points and contractor locations.[49]

Contract Management. During the past six months the number of contracts under GEEIA monitorship increased from 51 contracts at value of $283,826,535.00 to 64 contracts at a dollar value of $375,659,385.00. This dollar figure included both P800 and P437 monies, with approximately 21% representing the engineering and/or installation services[50]

As recommended at the 16-19 July 60 GEEIA Commanders' Conference at Hq GEEIA,[51] a contract element was established in each of the Regions. The designation of an OPI within each Region has materially improved the administrative transactions between the Hq and the Regions. All contract matters were directed to these offices.

To insure proper liaison between the prime contractor and the various governmental agencies involved in the ICBM Program, arrangements were made to have the contractor visit ROAMA for the

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orientation prior to commencing work. These meetings resulted in increased contractor understanding of who was what and where in the Air Force and minimized delay during the implementation phase.

A Contract Status Book was maintained by GEEIA reflecting the status of each major contract under GEEIA management. A complete chronological history of the actions and developments on each of these contracts was included which proved invaluable for briefings, reports, and resolving problems during the absence of the individual contract manager.[52]

During September a letter was sent to each Region detailing GEEIA's policy in the contract management function. On 2 Nov 60, another letter outlining the use of Open Contracts for engineering (Type I) and installation (Type II) services for remainder of FY61 and 1st Quarter FY62 was mailed to each Region[53] The Type I contracts would be extended for 12 months, covering those engineers presently on board, while contracts for Type II services were to be negotiated with requirements cited against particular contracts on the basis of emergency use only.

ROAMA/GEEIA Operating Program. During December a decision was made that GEEIA should not consolidate its program with ROAMA[54] A

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draft GEEIA Operating Program was then developed and the original draft informally coordinated among the headquarters staff. The draft and contents were generally well accepted by the staff and work continued to provide a complete GEEIA Operating Program.

Establishment of GEEIA Commercial Services and Authorization (CSA): The establishment of the Commercial Service Authorization (CSA) Management function at Hq GEEIA was generated by the actions outlined below:

Hq USAF Message AFOAC-S/O 74539 dated 5 May 60, directed Headquarters GEEIA to set up a single CSA Manager for commercial leased facilities in the P-437 funding area.[55]

Hq GEEIA Message ROZ 6-8-E dated June 60 to Hq USAF outlined the functions and organization setup of Hq GEEIA and the Regions in compliance with Hq USAF directive referred to in above paragraph.[56] This message noted that following a discussion between General Neal and Colonel Hannah, the communication service authorizations function as follows were to be consolidated and performed by GEEIA:

1. Coordinate CSA policies and efforts with the AT&T Company and USITA Government Communications organizations.

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2. Publication of directives and regulations pertaining to leased facilities

3. Review of commercial cost proposals.

4. Review of termination riders and/or changes associated with cost construction charges paid on CSA action

5. Investigation, review and preparation of data pertaining to rate standards.

6. Preparation of exhibits and rate standards when referring charges for litigation to the General Services Administration.

7. Maintain a source of authentic and uniform commercial cost analysis.

8. Maintain a staff for rate and tariff schedules capable of defending the Air Forces position in appearances before regulating bodies and able to support the General Services Administration when called upon.

9. Maintain records by scheme and contract number of total termination commitments and charges by Command.

10. Maintain AF Directory of U.S. Commercial Communication companies.

11. Perform cost comparison studies to defend commercial P-437 fund requirements.

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12. Establish, manage and administer policies and procedures for CSA functions at region levels.

Other related functions remained decentralized to GEEIA Regions for maximum manpower utilization and area coordination for Major Air Commands, Bases, sites, and telephone companies. This arrangement of management centralization within Hq GEEIA, with appropriate responsiblities delegated to regions assured a carefully monitored, homogeneous CSA management which would assure that the Government obtained a fair return for facilities and services from various companies.

Hq USAF Message AFOAC-S/O 66540 dated 1 July 1960, [57] approved consolidation and performance of commercial communications management functions as outlined in Hq GEEIA Message ROZ6-8-E.

On 29 July 1960, Hq GEEIA submitted a modified manpower requirement to Hq AMC, through ROAMA, to establish the CSA Management Branch under the Contract and CSA Management Division in the Directorate of Installations, Hq GEEIA. This manpower request called for 4 military and 17 civil service spaces. As of 31 Dec 60, no action or approval had been received from Hq AMC in reference to these requirements except to advise that manpower requirements for the CSA Management Branch should be obtained from the current GEEIA manpower resources.[58]

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On 18 Aug 60, a cadre of 4 CTS personnel, 1 Supervisory Electronic Engineer and 1 Clerk-Steno were loaned from the Directorate of Engineering to the Directorate of Installations to man the CSA Management Branch.

On 1 Nov 60, the four (4) CTS personnel were officially transferred to CSA from Engineering. The two (2) civil service personnel were transferred to ROZIPC from ROZMEA 14 Dec 60.[59]

To implement the functions outlined in Hq GEEIA Message ROZ6-8-E dated June 1960, a draft, dated 1 Sep 60, outlining Hq GEEIA and the GEEIA Regions' responsibilities in the P-437 and P-4X8 areas, was prepared and forwarded to the Regions and other Commands. On 20 Aug 60, as directed by Hq USAF, assistance was provided to an Air Force Working Group in the preparation of a proposed Air Force Manual to cover the operations of a single CSA Manager for the Air Force. A complete library of all FCC tariffs was obtained and indexed for use of CSA Management Branch.[60]

During the 2nd quarter FY 61 the CSA function began to set up a file of all general contracts with the various Independent Telephone Companies of the United States. When completed, this file would consist of approximately 4200 different contracts. The CSA Branch was responsible for initiating revisions to these contracts and the

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provision of copies to Air Force Agencies. They were also responsible for initiating action for new contracts required with telephone companies which were not already covered.

In addition, a file of all Revocable Licenses (Commercial Communications Services) issued to telephone companies was created. GEEIA was responsible for providing copies of same to Air Force Agencies and initiating action for new licenses as required.

Procedures were set up with the various regulatory bodies throughout the United States to receive notification of proposed rate cases that may effect Air Force leased communications. Upon notification, studies were made by GEEIA and recommendations made to Hq USAF. Since Aug 60, GEEIA prepared studies concerning six such cases. In the case of the rate increase proposed by the Southwestern States Telephone Co. for Little Rock AFB, the study prepared by GEEIA and in conjunction with Judge Advocate's Office, Hq USAF, forestalled an annual rate increase of $30,000. At Little Rock AFB, two rate cases; namely, inward and outward dailing charges for four bases in Florida and rate increases for three bases in Kansas were in the Courts or before

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the Regulatory Bodies. GEEIA Contributed studies in these cases.

GEEIA assisted in the negotiations covering the issuance of CSA's for five ICBM Atlas and Titan Missile Intersite Communication Systems; namely Forbes AFB, Ellsworth AFB, Lowry AFB, Mt. Home AFB and Plattsburg AFB. [61]

GEEIAs' CSA functions' biggest problem was the lack of manpower to assume all the prescribed responsibilities. This lack precluded the updating of the technical order covering the Board Gauge Cost Data for outside and inside plant work including preparation and associated rentals. In addition, the CSA people had been requested by the AACS Commercial Lease Manager at Ent AFB to initiate action to revise all the general contracts with the Independent Telephone Companies to include a royalties clause and a special construction clause. This task involved from 3400 to 4200 contracts with telephone companies in the United States. The completion date of this task was indefinite pending manpower resources.

Ground Safety: The Ground Safety Program accomplished the following: [62]

a. Staff visits were made throughout the Central, Western and European Regions, and to Patrick AFB and Brookley AFB of the Eastern Region, and the annual National Safety Congress was attended.

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b. Safety reflectorized material, safety incentive momentoes, and safety award plaques were requisitioned for the GEEIA units.

c. The Ground Safety Office, in conjunction with the Field Support Division, worked on the problems of radiation and combustible gases in manholes.

d. Coordination was made between Engineering-Installations and the GEEIA Information Services Office and the National Safety Council, in an attempt to establish a C-E section within the Council so that those interested in communications-engineering may have a central source of information on safety when needed.

e. Following a request to Hq AMC, GEEIA was authorized five additional 24150A spaces, effective 1/FY-62.

f. The reduction of the percentage of ground safety accidents GEEIA-wide during 1960, qualified GEEIA for an award from the National Safety Council.

g. Total statistics for 1961 indicated that Hq Squadron, GEEIA was the best Squadron. Europe and Western Regions tied; however, the Western was the better, since they lowered their rates and costs below those of 1959, whereby the rates for Europe were higher than those for 1959.

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h. Ground Safety statistics for the period from 1 July - 31 December 1960 are as follows:

Military Non-disabling Injuries	104
Civilian Non-disabling Injuries	15
Military Disabling Injuries	46
Civilian Disabling Injuries	3
Military Man-days Lost	596
Civilian Man-days Lost	27
Military Injury Rate	12.30%
Civilian Injury Rate	2.21%
Military Fatalities	1
USAF Vehicle Accidents	14
USAF Vehicle Days Out of Service	185
USAF Vehicle Accident Rate	.92%
Total Costs - All Accidents	$58,111.00
Costs Per Capita Per Annum	$24.24

Request for Assigned Aircraft[63] There was an urgent and continuing requirement in the Ground Electronics Engineering-Installation Agency (GEEIA) for command mission support type aircraft Code (SI). This requirement had been studied over the period of two years of GEEIA's existance and had been determined that six aircraft would satisfy this requirement. These requested aircraft were of the

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following types: Two (2) four-engine aircraft and four (4), two-engine aircraft. The four-engine aircraft were required for the two overseas GEEIA Regions; one located in the European theater and other in the Pacific. The two-engine aircraft would be assigned to Headquarters GEEIA and the three continental GEEIA Regions.

However, the pending system of assigned aircraft at each Air Force Base held the request in abeyance.

GEEIA Air National Guard Support Responsibilities. On 1 July, the supervision of training and inspection of the Air Reserve Forces was transferred from CONAC to the major gaining commands. AMC delegated these duties to ROAMA, who in turn redelegated the duties for training the 17 ANG units to GEEIA.[64] Upon transfer of responsibilities, the advisory personnel were also transferred; however, GEEIA gained only 13 officers with 16 authorized and 13 airmen with an authorization of 18. The airmen advisory positions were filled out of GEEIA resources. The shortage of personnel at GEEIA Headquarters hampered the program as it prevented the writing and publication of directives necessary to implement this program. Upon transfer, GEEIA gained three (3) additional ANG units.

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By 31 August, all active duty training for 1960 had been completed. This training increased the overall operational readiness of units assigned prior to 1 July and contributed substantially to the C-E Installation Program. All units were trained in the actual installation/maintenance of C-E facilities.

On 1 October, a major reorganization of the ANG took place. GEEIA ANG units were reorganized under a UMD which was submitted to USAF by GEEIA in November 1959. Personnel were increased from six officers and 99 airmen to eight officers and 147 airmen.[65] Prior to 1 October, these units only had an outside plant capability. Upon reorganization, radio, inside plant and communications and relay center personnel were added. Close coordination was effected with the Guard Bureau in regard to equipping these ANG units. This equipment list was approved and published by the Bureau.

The annual GEEIA ANG Conference was conducted at Orlando AFB, Florida 9-11 November.[66] As a result of this conference, a better understanding of common problems between the Bureau, States, ANG Units and GEEIA was realized. The conference was beneficial to all concerned.

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The active Duty Training Schedule for CY 61 was completed. This schedule permits ANG units to again participate in C-E installations that will be beneficial to the USAF. This schedule includes missile, NAV-AIDS and other higher priority projects.

A program had been developed, which allowed the communications Maintenance Units to repair modern Air Force equipment during their inactive duty training. This program was scheduled to go into effect on 1 January 1961.[67]

Missile Program Support: Generally commercial wire projects in support of Ballistic Missiles requirements could be divided into four categories.[68]

Category A: The permanent leased intersite cable system was ordered by the Office of Commercial Communications Management, Det. 3, AACS, Ent AFB, Colorado, for SAC, using P-482 Long Line Funds for payment of both construction costs and recurring charges.

Category B: Interim service which ultimately became a part of the permanent intersite system (i.e., permanent system facilities) ordered by OCCM using P-482 funds.

Category C: Interim Service required by the SATAF Commander which was not on the support base and was not a part of the intersite cable system would be ordered by GEEIA obligating BMD funds available to the SATAF Commander.

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Category D. Interim or permanent service requirements on the support base was forwarded to the Base Communications Officer of the support base for ordering. Recurring costs were paid from Base P4X8 administrative telephone system was required to satisfy such requirements, the Base Communications Officer passed the requirement to the GEEIA Region, Attn: CSA Branch for determination of facility additions required and ordering of facility additions. GEEIA provided P-437 Funds for payment of one-time construction charges; recurring charges were paid from Base P4X8 Funds.

The SATAF Commander originated leased wire requirements for Ballistic Missile support communications and determined the proper category as listed above. When the requirements fell under Categories A or B, the GEEIA Detachment Commander assisted the SATAF Commander by obtaining a proposal from the telephone company to satisfy the requirements and in assembling all other necessary data for submission to OCCM for CSA issuance. As these sections of cable were completed the GEEIA Detachment Commander informed OCCM of the date and the service was accepted for billing purposes.

When the requirements fell under Category C, the GEEIA Detachment Commander assisted the SATAF Commander by obtaining

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the cost estimates from the telephone company and forwarding the requirements, cost estimate, and fund availability statements to GEEIA Region, Attn: CSA Branch, for issuance of the Work Order CSA. Such CSAs were issued immediately if the submission contained all necessary documented data. The GEEIA Detachment Commander was responsible for assuring engineering adequacy and feasibility of the telephone company proposal to satisfy the operational requirement.[69]

When the requirement fell under Category D, the Base Communications Officer of the support base obtained a telephone company proposal and cost estimates for satisfying the operational requirement and provide the requirement, cost proposal, fund availability statments and supporting structure statement to the GEEIA Region in one package for engineering review and issuance of CSA. Under such circumstances, if all requirements for minimum documented data were met with the original submission, a CSA was normally issued within three days. Where the Base Communications Officer was required to submit such information through the numbered Air Force for approval prior to requesting action of GEEIA, some additional few days delay was encountered, in transmittal from base to numbered Air Force to GEEIA Region.[70]

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The Base Communications Officer of the support base, the SATAF Commander, or the GEEIA Detachment Commander could, at their option, forward the service requirements only to the applicable GEEIA Region, Attn: CSA Branch, and all further action was then taken by the Region. Internal procedures were established within the GEEIA Region to expedite in every way possible implementation of all missile support requirements. Such projects were red flagged throughout their processing and telephone-message type-coordination was used throughout. No processing delays were encountered at the GEEIA Regions if basic requirements only were provided. The SATAF Commander was then provided information copies of all correspondence issued by the GEEIA Region pertinent to missile support projects.[71]

A conference was held on 25 October 1960 to review with SAC and RADC the possibility of early procurement and installation of AN/GRC-86 equipment[72] RADC agreed to push procurement specifications for these radio sets. GEEIA pointed out that no remote control units had been developed for either short line or long line remoting, hence could not be incorporated into a missile complex console assembly. Tasks were assigned to carry out the needed further development and tenative performance specifications

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were prepared for SAC's comments. Coordination with SAC and RADC is expected to result in "short line" control specifications early in 1961.

Commendation Medal: Eight (8) recommendations were submitted to Higher Headquarters for award fo the Air Force Commendation Medal to GEEIA personnel. All eight were approved.

Recepients were:

CWO W2, Dewey Smith, 954161E, 2870th GEEIA Squadron, ROAMA General Order 28, 12 Aug 60.[73]

Major Derrill A. Hollerbach, AO 1647091, 2870th GEEIA Squadron, ROAMA General Order 29, 30 Sep 60.[74]

Major Billie J. Smith, AO 740967, Eastern GEEIA Region, ROAMA General Order 29, 30 Sep 60.[75]

CWO W2, Robert D. Clifton 952654E, 2870th GEEIA Squadron, ROAMA General Order 31, 30 Oct 60.[76]

Lt Colonel William H. McCumber AO 1703862, Hq GEEIA, ROAMA General Order 32, 28 Nov 60.[77]

Lt Colonel Michael Bobela, 5507-A, Hq GEEIA, ROAMA General Order 33, 29 Dec 60.[78]

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MSgt Edwin H. Gilbert, AF 20308148, Hq GEEIA, ROAMA General Order 24, 18 July 60.[79]

MSgt Carl F. Schirmer, AF 6974662, 2870th GEEIA Squadron, ROAMA General Order 30, 30 Sep 60.[80]

Standards and T. O's: GEEIA maintained a strong emphasis on the Standards program which resulted in the production of 22 new or revised Technical Orders with 63 additional Technical Orders (new or revised) in preparation. Following a survey in conjunction with ROAMA, it was determined that GEEIA responsibility included all technical orders of the -5 and -7 series.[81] In addition, GEEIA responsibility was placed on specific technical manuals in the general series classification. The total number of technical manuals for which this Headquarters assumed responsibility, was approximately 350. Once this responsibility was determined, the manuals were reviewed for complete and current information, required changes, or obsolescence. This exercise became a continuous and integral part of the preparation of standards on new facilities and equipments.

Through cooperation with ROAMA and OCAMA, a distinctive system was developed for numbering GEEIA Standard Technical Manuals. This system used the letter "Z" to designate "Ground C-E Systems Publications

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and the figure "10" to identify both GEEIA and Engineering and Installation Standards.[82]

With the emphasis on technical data support within the Technical Order structure, GEEIA Regulation 100-10 was published.[83] This Regulation established the technical order system as the only GEEIA technical data support publication. An office instruction was issued as a standard operating procedure to implement the policy.

In planning for the C-E Facilities Planning Guide, it was found that the status of the PC coded facilities was not current. A program was initiated to purify the list of coded facilities, recommending to AFMME deletion of those facilities which have become obsolete or which after initiation were never programmed or used in the USAF inventory. This established a list of approximately 150 coded facilities which were programmed and in an active, standard status within the Air Force. A letter recommending the updating of these facilities was forwarded to AFMME.

Concurrent with the listing purifications of coded PC facilities, GEEIA also determined the SFEL's which made up the approved configurations of the facilities. This exercise was a necessary preliminary to procurement action for the proposed C-E Facilities Planning Guide.

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GEEIA Standard Technical Order 31P-10-1, Selective Identification Feature, was the first GEEIA Standard Technical Order published as a result of this new Standards Program. The unique and novel Selective Identification Feature enabled radar search operators to identify friendly aircraft immediately without verbal contact.

National Bureau of Standards Performance Standards: The National Bureau of Standards (NBS), Boulder, Colorado, was preparing telecommunications performance standards which were scheduled for delivery in November 1960. When the drafts of the first manuals covering tropospheric systems were received, it was apparent that the manuals were not written for field use. A conference with NBS representatives was held at GEEIA Headquarters on 17 August 1960. At that meeting the Bureau of Standards agreed to supply GEEIA with the required performance standards written in technical order format. In September 1960, GEEIA engineers spent two weeks at the Bureau reviewing drafts of certain chapters. They also provided necessary guidance for the Bureau in the preparation of the standards. As of 31 December, NBS had not delivered any of the drafts of the technical manuals which were due in November 1960.[84]

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FOOTNOTES

CHAPTER FOUR

1. Extracted from Directorate of Plans and Programs Semi-Annual Historical Report, 1 Jul - 31 Dec 60. On file Hq GEEIA.
2. "See note above".
3. "See note above".
4. "See note above".
5. "See note above".
6. "See note above".
7. "See note above".
8. "See note above".
9. "See note above".
10. Extracted from Directorate of Installations Semi-Annual Historical Report, 1 Jul - 31 Dec 60. On file Hq GEEIA.
11. Extracted from Directorate of Plans and Programs Semi- Annual Historical Report, 1 Jul - 31 Dec 60. On file Hq GEEIA.
12. "See note above".
13. GEEIA ltr, 14 Oct 60, Subj: C-E Engineering-Installation Schedule (RCS: ROAMA H-1)
14. "See note above".
15. GEEIA Regulation 100-5, 6 Oct 60. Attached Appendix D.
16. Extracted from Directorate of Installations Semi-Annual Historical Report, 1 Jul - 31 Dec 60. On file Hq GEEIA.

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17. "See note above".

18. "See note above".

19. Extracted from Directorate of Personnel Semi-Annual Historical Report, 1 Jul - 31 Dec 60. On file Hq GEEIA.

20. GEEIA General Order #2, 10 Oct 60. Attached Appendix C.

21. Extracted from Directorate of Personnel Semi-Annual Historical Report, 1 Jul - 31 Dec 60. On file Hq GEEIA.

22. Subject TMA on file, Hq GEEIA Directorate of Personnel.

23. Extracted from Directorate of Personnel Semi-Annual Historical Report, 1 Jul - 31 Dec 60. On file Hq GEEIA.

24. "See note above".

25. Plan attached Volume II Semi-Annual Major History of GEEIA, 15 Jun - 31 Dec 58. Copies on file Air University, Hq AFLC and Hq GEEIA.

26. GEEIA Regulation 26-2, 15 Apr 60. Attached Appendix D.

27. Extracted from Directorate of Personnel Semi-Annual Historical Report, 1 Jul - 31 Dec 60. On file Hq GEEIA.

28. Extracted from Office of CTS Program Semi-Annual Historical Report, 1 Jul - 31 Dec 60. On file Hq GEEIA.

29. "See note above".

30. "See note above".

31. "See note above".

32. "See note above".

33. "See note above".

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34. "See note above".

35. "See note above".

36. Personal conversations of this Historian with Staff members at various times throughout this reporting period.

37. Extracted from Office of CTS Program Semi-Annual Historical Report, 1 Jul - 31 Dec 60. On file Hq GEEIA.

38. GEEIA ltr, Gen Neal to Gen Bell, 22 Aug 60. Attached Appendix D.

39. Extracted from Office of CTS Program Semi-Annual Historical Report, 1 Jul - 31 Dec 60. On file Hq GEEIA.

40. Extracted from Directorate of Installations Semi-Annual Historical Report, 1 Jul - 31 Dec 60. On file Hq GEEIA.

41. "See note above".

42. Extracted from Directorate of Personnel Semi-Annual Historical Report, 1 Jul - 31 Dec 60. On file Hq GEEIA.

43. "See note above".

44. ROAMA Special Order #C-482, 30 Sep 60. Attached Appendix C.

45. Statement of General Neal at Staff Meeting following the transfer.

46. Extracted from Directorate of Installations Semi-Annual Historical Report, 1 Jul - 31 Dec 60. On file Hq GEEIA.

47. "See note above".

48. "See note above".

49. "See note above".

50. "See note above".

51. Noted in the Agenda Items of the Commanders' Conference in the Organization Chapter and personal observations of this Historian.

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52. Contained as Attachment in Vol I Major History of GEEIA, 1 Jan - 30 Jun 60. On file Air University, Hq AFLC and Hq GEEIA.

53. Extracted from Directorate of Installations Semi-Annual Historical Report, 1 Jul - 31 Dec 60. On file Hq GEEIA.

54. Extracted from Directorate of Plans and Programs Semi-Annual Historical Report, 1 Jul - 31 Dec 60. On file Hq GEEIA.

55. Hq USAF Message AFOAC-S/O, 5 May 60. Attached Appendix D.

56. Hq GEEIA Message ROZ-6-8-E, 20 Jun 60. Attached Appendix D.

57. Hq USAF Message AFOAC-S/O 66540, 1 Jul 60. Attached Appendix D.

58. Extracted from Directorate of Personnel Semi-Annual Historical Report, 1 Jul - 31 Dec 60. On file Hq GEEIA.

59. Extracted from Directorate of Installations Semi-Annual Historical Report, 1 Jul - 31 Dec 60. On file Hq GEEIA.

60. "See note above".

61. "See note above".

62. Extracted from Directorate of Personnel Semi-Annual Historical Report, 1 July - 31 Dec 60. On file Hq GEEIA.

63. GEEIA ltr, 11 Aug 60, Subj: Request for Aircraft Assignment, GEEIA. Attached Appendix D.

64. Extracted from Directorate of Installations Semi-Annual Historical Report, 1 Jul - 31 Dec 60. On file Hq GEEIA.

65. This pending action was discussed in Vol I Major GEEIA History 1 Jan - 30 Jun 60. On file Air University, Hq AFLC and Hq GEEIA.

66. Extracted from Directorate of Installations Semi-Annual Historical Report, 1 Jul - 31 Dec 60. On file Hq GEEIA.

67. "See note above."

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68. Memorandum undated, Subj: Procedures for Expediting Commercial Wire Projects In Support of Ballistic Missiles. Attached Appendix D.

69. "See note above."

70. "See note above".

71. "See note above".

72. Extracted from Directorate of Engineering Semi-Annual Historical Report, 1 Jul - 31 Dec 60. On file Hq GEEIA.

73. ROAMA General Order #28, 12 Aug 60. Attached Appendix D.

74. ROAMA General Order #29, 30 Sep 60. Attached Appendix D.

75. "See note above".

76. ROAMA General Order #31, 30 Oct 60. Attached Appendix D.

77. ROAMA General Order #32, 28 Nov 60. Attached Appendix D.

78. ROAMA General Order #33, 29 Dec 60. Attached Appendix D.

79. ROAMA General Order #24, 18 Jul 60. Attached Appendix D.

80. ROAMA General Order #30, 30 Sep 60. Attached Appendix D.

81. Extracted from Directorate of Engineering Semi-Annual Historical Report, 1 Jul - 31 Dec 60. On file Hq GEEIA.

82. "See note above".

83. GEEIA Regulation 100-10, 21 Dec 60. Attached Appendix D.

84. Extracted from Directorate of Engineering Semi-Annual Historical Report, 1 Jul - 31 Dec 60. On file Hq GEEIA.

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IMPLEMENTATION PROBLEMS AND RESPONSIBILITIES

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IMPLEMENTATION PROBLEMS AND RESPONSIBILITIES

This chapter will deal with the actual GEEIA engineering and installation of the Air Force's Ground Communications-Electronics systems and facilities as prescribed by AFR 20-17 (the GEEIA mission directive). The major projects, such as the numbered "L" systems and the Ballistic Missile effort will be discussed in detail. Ancillary and contingent equipments, facilities and related programs will be dealt with more briefly. This portion of this history is, in essence, a functional accounting of the actual GEEIA mission.

Plan X - Removal of CE Facilities: Due to the scope of support required to effect timely removal of CE Facilities reflected in ADC Plan X, it was deemed advisable to prepare a coordinated ROAMA/GEEIA plan. The plan itself was, of necessity, rather broad in nature. It indicated the area of responsibilities of each agency and activity within ROAMA/GEEIA. This plan was augmented with specific details distributed to all interested commands and USAF activities. [1]

Under the plan, GEEIA provided the necessary personnel and the proper skills to dismantle all electronic equipment reflected in ADC Plan X. Each applicable GEEIA Region was responsible to implement this plan. Upon notification by Headquarters ADC that C-E equipments

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would be phased out of the system by specific dates, the applicable GEEIA Region immediately contacted the appropriate Air Division to coordinate a removal schedule. The removal schedule indicated a start date by types of equipment involved. Prior to removal, a GEEIA representative and a MDA representative conducted a joint pre-DLM inspection of all C-E equipments to be removed. All components of the set were tagged to show stock number, nomenclature and set serial number if applicable. Immediately upon completion of the inspection, the removal team began to disassemble the equipments to the degree necessary for proper packing, crating and transportation. The dismantling of C-E equipments was accomplished by organic and/or contractual effort as necessary and as determined by Headquarters GEEIA and GEEIA Regions.[2] Prior to contracting for removal, GEEIA Regions had to comply with the provisions of GEEIA Regulation 85-1.[3] In the interest of expediting the removal, the provisions of section 7(6)b, T.O. 31-1-8, which required the issuance of disposition instructions prior to GEEIA dismantling equipment, were waived. This was necessary in view of the fact that the condition of equipment and where it would be repaired, in part, determined the disposition instructions issued by CESAC.

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It was anticipated that all disposition instructions would be issued to the site prior to completing the dismantling.

Removal scheme designators were assigned by the Region in accordance with GEEIA Regulation 100-1. The primary purpose of the removal schemes was to control and report manpower and dollar expenditure in support of this plan. Dismantling instructions were included in the removal schemes, in sufficient detail to assure proper handling and dismantling.

Once the equipment was dismantled to the degree necessary for packing, crating and shipping, GEEIA's responsibility was terminated.[4] Particular care was exercised to insure that equipment and cable assemblies were not unnecessarily damaged during the removal process and that each component and cable assembly was properly identified with the set of which it was a part. A listing identified any parts damaged during removal process, the degree of damage, i.e. beyond economical repair, minor repair necessary etc. and was so tagged.

ADC Program in Canada: Construction requirements for the AN/FPS-6B footings had been placed with SAC-ADC prior to the establishment of GSMO office.[5] This had been accomplished on the basis of an agreement between the RCAF and USAF Central Coordinating Staff that all construction at Group II sites would be performed by the RCAF. SAC-

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ADC indicated that savings in construction costs and more expeditious action could be effected since construction contracts for other items and for the radar support construction was already in progress for most of the sites involved. Also, as RCAF had the right to coordinate on approval of construction at all sites, under the Pinetree Note, the whole construction program was channeled through the SAC-ADC - RCAF/CCE - DCL offices.[6]

There were many delays to the programmed operational dates. It could be argued that much of the delay was due to lack of authorized drawings for the AB-563 tower. This lack of authorized drawings delayed final design of footings and development of contract specifications for footings and tower erection. The towers also were delayed by lack of steel and final approval of the design. Deliveries of towers began May 1960. Difficulties with the Rigid Radomes for these towers regarding procurement and delivery was also experienced. The radar requipments, while a programmed schedule was maintained, were not available in required supply quantities due to the large requirement to be filled and the limited rate of production. Assigned operational dates were not realistic for the equipment availability rate. Whether there had been savings in time and money as a result of tying in radar support construction program was a controversial subject.[7]

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TACAN Program: The program objective of 208 TACAN installations completed by the end of calendar year 1960 was not met.[8] As of this report, 48 installations remained to be completed. Of these 48, 35 were considered as slippages and 13 installations in progress. Problems associated with these slippages were primarily in the SSD/Allied requirement and lack of material areas. As part of GEEIA's command letter policy, commands were informed of deficient SSD/Allied Requirements and urged to take corrective action. Lack of material (MX-1627 monitors) should be resolved early in CY 61 with a number due in from production contract during January 1961. A get well date of FY-262 was projected for this program.

A project to revise the Nav-Aids Building defined by AF Drawing AW-26-03-27 was initiated.[9] The proposed design will increase the building floor space and thereby, provide greater access to the equipment. SFEL's FA-4-04B, C, D and E were revised to reflect the new installation configuration in the modified building.

SFEL's FA-4-04P and FA-4-04Q were developed for new antenna groups AN/GRA-47 and AN/GRA-48 respectively.

A TACAN status indicator was designed for FAA control towers to provide operational indicators of the TACAN equipment. This indicator panel was required at airfields operated jointly by FAA and USAF.

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A contract was let for the development and production of the AN/TRN-17 Low-Power, lightweight Mobile TACAN Facility. GEEIA personnel made several visits to the contractor's plant to obtain information required to develop installations standards for this facility. One of the functions of this facility will be to provide distance information for Instrument Landing Systems (ILS) and therefore, may eliminate the existing ILS outer and middle marker beacon requirements.[10]

TACAN Within Canada: The Licensing Agreement for the Mobile TACAN Program within Canada was signed by the RCAF and USAF representatives 5 July 1960. By this Agreement, AN/TRN-6 equipment was scheduled for the following sites:[11]

Sea Island, B.C

Calgary, Alta.

Chatham, N.B.

Lakehead, Ont.

Comox, B.C.

Gimli, Man.

North Bay, Ont.

Val D'Or, Que.

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Bagotville, Ont.

Kapuskasing, Ont.

Saskatoon, Sask.

The TACAN sets were initially scheduled for delivery to all sites by 1 September 1960 but by 15 August 1960 delivery was accomplished to Sea Island, Lakehead, Calgary and Chatham only. The sets received at Calgary and Chatham (from SMAMA) were in fairly good condition due to servicing prior to shipment. Those received at Sea Island and Lakehead (from ROAMA) were not serviced prior to delivery and as a result required extensive repairs and servicing. Inventories were taken by GEEIA installation personnel upon receipt of the sets, and shortage lists were submitted to ROAMA for supply action. During installation, considerable repairs were accomplished by GEEIA personnel which were above and beyond those normally required of equipment installers.[12]

A ROAMA inspection team visited Sea Island, Calgary, Lakehead and Chatham 16-23 September 1960 to determine condition of received equipment and verify shortage items. During this visit, direct contacts with the ROAMA supply agency was maintained by the team to expedite shortage items to the sites. As shortage items continued to arrive,

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installations, at Sea Island and Calgary, were gradually completed so that flight tests were requested 28 September 1960. Chatham was delayed by lack of commercial power until 14 October 1960. Initiation of the Lakehead AN/TRN-6 installation was delayed until 28 September due to poor condition of received equipment and outstanding shortage items. The principal delaying factors for these installations was late receipt of test equipment and monitor components.

Although contracts to install AN/GRN-9 Dual TACANS were finalized 5 July 1960, installation at Whitehorse, Sandspit, Port Hardy, Ft. Nelson, Saglek, St. Anthony, Cutthroat and Seven Islands was deferred due to site adaptation reengineering required and non-receipt of AN/GRA-34 Monitor Groups and other BOM items.

Canadian Aviation Electronics Limited, the installation contactor for the Western sites, completed a site inventory and supporting structure inspection 11 September 1960 which listed shortage items and reflected need for site adaptation and supplemental specifications[13]

A representative from Eastern GEEIA Region visited Eastern sites late in September to perform a similar pre-installation inventory and building inspection. ITTES Co. Ltd, was the installation contractor for these sites.

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The requirement to supervise installation of AN/GRN-9 Dual TACANS at SAC Refueling bases Ft. Churchill, Namao, Cold Lake and Frobisher was placed upon GSMO during this reporting period. The Namao facility was installed during August and September and flight tested 14 September 1960. The Churchill and Cold Lake TACANS were in the installation phase during this period but not completed by the end of September. Frobisher was not started during this period.

Interim Criticom Program: In order to carry out this program in the proper manner, a meeting between GEEIA and ROAMA was held late in this reporting period to set up the necessary operations. The following steps were established.[14]

Actions necessary to provide interim Criticom circuit via activation of the Germany - U.K. Tropo Link were directed by Hq USAF per message AFMEE-EE 63134 dated 22 Nov 60, that a joint effort on the part of GEEIA, ROAMA and USAFE be made to relocate two (2) AN/FRC-39 tropo equipments from Iceland to U.K. This action stemmed from a National Priority requirement (Urgent). USAF stipulated that no slippages could be allowed to occur with an OPS date of 30 June 1961 to be met.

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A schedule of events was established for the various phases:[15]

a. 15 Dec 60 - 21 Jan 61: Dismantling of equipment at Icelandic sites H-1 and H-4. This would include all electronics and associated equipment including the feed horns, but the antennas and towers would not be dismantled. These will be provided from other sources (ROAMA). GEEIA was designated as the responsible dismantling agency.

b. 21 Jan 61 - 21 Feb 61: Transport dismantled equipments from sites H-1 and H-4 to the Bendix Depot at Keflavik and completely refurnished equipment to fully operational status. ROAMA was designated as the responsible agency.

c. 21 Feb 61 - 1 Mar 61: ROAMA was to prepare equipment for shipment and transport to arrive on site no later than 1 Mar 61.

d. 1 Mar 61 - 30 Jun 61: USAFE was responsible for the installation of tropo equipment in the Germany - U.K. link. (It was not fully determined as of this reporting period if European GEEIA Region may be called upon to assist in the installation phase).

Other Actions Necessary and Responsible Agency:[16]

a. ROAMA will place the requirements for Wide Band Pass Filters and antennas with the appropriate internal agencies and

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take further action for shipment to end destination by 1 March 1961.

b. Although Hq USAF noted that USAFE would provide towers presently existing on site (Europe), doubt was expressed by GEEIA as to the possible noncompatibility to FRC-39 antennas. Further action was to be taken by GEEIA and ROAMA to determine if other towers were available from depot assets and if so, query USAF and USAFE on possibility of utilizing towers which were known to be fully compatible with antennas to be installed.

It was further agreed that if any phase appeared not to be making its' planned schedule, that other interested agencies would be kept apprised of this fact. The liaison respresentatives scheduled to be on site from the beginning of the dismantling phase until the equipment arrived at its destination would keep both GEEIA and ROAMA constantly briefed on progress.

Talking Bird: In July 1960 the Tactical Air Command wrote and had approved by USAF an operations plan called "Talking Bird". This plan called for an aircraft to be outfitted as a flying command post to handle communications in a contingency situation such as the Congo, Lebanon, etc. This aircraft was to have voice and teletype capability in a single sideband mode and to operate while

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airborne as well as on the ground. In addition to the HF SSB circuitry the aircraft was also to have a manual switchboard and mobile communications.

Initially GEEIA had no responsibilities in the project. Hq USAF selected the aircraft (KC-97), SSB radio (AN/TRC-75) teletype (AN/FGC-20-25) and switchboard (AC&W manual board) and directed OCAMA, Tinker AFB, to make the installation. Since OCAMA dealt only in airborne communications, they requested assistance from Central GEEIA to make recommendations on the teletype installation and to select suitable ground antennas. Hq GEEIA was requested to suggest a teletype terminal unit and recommended the Telesignal Corporation "2000" unit.[17]

The itinerary of the "Talking Bird" aircraft was to be split into 3 phases: Phase I, the aircraft was to tour the Pacific area; Phase 2, the aircraft was to tour the European area and Phase 3, the aircraft was to make a circuit of the entire world. The mission of "Talking Bird" was to determine the manner and method best suited for entering any of the established USAF communications systems.

Since there was no standard audio teletype shift for use between an aircraft and a ground station or even between tactical vans belonging to different agencies of the Air Force, GEEIA suggested ± 42.5 cycle

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shift because it was compatible with AIRCOM and also supplied a ± 85 cycle shift in case the relative stabilities of the aircraft and ground station would place the teletype tones too far out of the tone range for detection. GEEIA also supplied six (6) AIRCOM stations with tone keyers and converters for both shifts to work with "Talking Bird".

The "Talking Bird" aircraft completed 2 of 3 phases and was enroute around the world on the final phase as of 31 Dec 60. Prior to the time the aircraft left for the final phase, GEEIA was called in to assist in the modification of the aircraft to better accomplish the mission. Central GEEIA rewired the teletype/crypto installation for greater flexibility. Hq GEEIA via CESAC furnished additional HF receivers with SSB converters to permit entry into the AIRCOM stations which could not be accomplished with the AN/TRC-75 receiver since it was not AFC controlled. Hq GEEIA also researched and purchased with OCAMA funds two vertical log periodic dipole antennas. These antennas furnished high gain and high power handling capability to the "Talking Bird" system.

Since "Talking Bird: was still in the field, no conclusions were drawn; however, Hq GEEIA had been directed by USAF to engineer a

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design for future "Birds" and the results of the "Talking Bird" tests will be used to determine this design.[18]

Air Weapons Control System (AWCS) 412L: As a result of the technical assistance provided by a team composed of representatives of Headquarters GEEIA and the General Electric Company, the European GEEIA Region was able to assist the USAFE command in preparing amendments to 412L CEIPs.[19] All amendments were forwarded by USAFE to Hq USAF for action, except the CEIP for inter-site communications.

Additional 412L USAFE sites were added to the Engineering Services Work Statement of the call contract between Hq GEEIA and General Electric. A combined GEEIA effort prepared a revision to the Engineering Services Work Statement.

It was determined that the Air Weapons Control System for Europe USAFE would be installed as follows:

a. All radars and site communications would be engineered and installed by the European GEEIA Region.

b. All contractor furnished equipment AN/GPA-73 would be engineered and installed by the contractor.

c. The preparation of an installation work statement to specify the demarcation points between Air Force and contractor was started.

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A request was received by GEEIA to give pre-engineering assistance to PACAF involving the 412L Air Weapons Control System. Arrangements were made to send representatives of Hq GEEIA, to assist PACAF in the preparation of a CEIP.

Electronics Warfare Program (EWP): MITRE Corporation tested the AN/TLQ-8 and Jam Track equipments for the SAGE Project Office. It was intended that one of the two sub-systems will be chosen for use as a passive back-up for the SAGE system. The AN/TLQ-8 was designed for automatic operation in conjunction with the AN/FST-2 and AN/FSQ-7 while the Jam-Track Sub-System has been primarily semi-automatic in operation. The information could be sent automatically to the Direction Center; however, the information had to be handled manually at the Direction Center.

GEEIA was represented in the Joint Test Ecm for the AN/TLQ-8; and participated in the preparation of the Test Orders.[20] A preliminary final test report has been initiated in coordination with the Test Director and a representative of ROAMA. Upon completion of testing, pending availability of all test data the final report will be completed and coordinated. Subsequent to the tests, it was anticipated that the choice of sub-systems will be made by ADC and the SAGE Project Office.

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T.O. 31-1-91 was issued by Hq GEEIA to provide installation engineering and planning information on the TLQ-8. (This T.O. replaced interim standard 31Z-TLQ-8-1 originally sent to our Regions to assist them in CEIP preparation). CEIP 2D00A, on the TLQ-8, had been approved by Hq USAF as a general ECCM requirement; but, must be re-engineered after the MITRE testing became completed. As of 31 Dec, no significant installation engineering had been accomplished on Jam-Track.[21]

Engineering Workload: Engineer Production Time Card, GEEIA Form 40,[22] was revised to provide a more useful management tool as well as to prepare for the conversion of workload reporting from a manual to a mechanized system. Some of the old codes used to identify the type of engineering action were deleted, others revised, and new codes added. In the area of direct work, new codes were developed to break-out all effort into the general categories of production, revision, review, technical services, and general. Each of these areas was sub-divided to indicate the specific type of work.

Use of the GEEIA Form 3, Engineering Assignment, was developed to the extent that it became feasible to incorporate more detailed and specific information. In the past, this form was used to document, in

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a brief general manner, information to identify major workload items of the Directorate of Engineering. The Form 3 was revised to make it more useful for managment purposes by incorporating more specific information pertaining to time phasing of engineering and support actions as well as definite statement of the situation and end product.

The development and implementation of a mechanized workload reporting system was accomplished for this six months period.[24] In conjunction with the Data Processing Division of ROAMA, the control office established a mechanized system of Engineering Production time accounting and workload reporting. The system provided for coding all pertinent workload and time information on standard punch cards. The punch cards were sorted in several patterns and fed to the necessary computing and printing equipment to provide the required information

Microwave Radiation Effects Program: Interest in the biological effects of exposure to microwave energy had existed since the early days of World War II. This interest had been greatly stimulated by the many misconceptions and false reports of personnel injury which have arisen over the past several years. In an effort to establish

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criteria pertaining to the biological hazards associated with microwave radiation, the Air Force sponsored research in biological hazards of microwave radiation. The Air Force assumed the responsibility of coordinating the radiation research of all the military services. The assumption of this responsibility by the Air Force did not indicate that the Air Force would be responsible for all work in this field, but rather that the Air Force would be the instrument whereby the three services would be kept informed of the programs running concurrently in each department.

GEEIA became involved in the biological effects program and was assigned the task of taking radiation measurements at various Air Force sites. A Technical Report, GEEIA TR-61-1, "Microwave Radiation Effects Program, was published for use by the GEEIA Regions.[25] The report used by the Armed Services and Industry summarized the history of the program and indicated the basic parameters of the problems faced by field installations. Technical Order 31-1-80, "Radio Frequency Radiation Hazards" was written by the Radiation Hazard Section.

Radiation Hazard at Ringstead, England: At the request of the office of the Deputy Chief of Staff of Operations, Hq USAF, GEEIA conducted

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a radiation hazard study at the English terminal (Ringstead, England) of the Morocco, Spain, United Kingdom tropo system.[26] A preliminary study indicated that a hazardous (0.01 watts/cm^2) radio frequency power level existed in front of the antenna along the beam axis for a distance of approximately 3400 feet. However, the entire area in front of the antenna would not be unsafe for personnel since the antennas are elevated and the ground in front of the antenna slopes downward. Thus, the high-intensity radio frequency beam will be above ground level, and will not be a source of danger to personnel on the ground.

Project Short Order: Headquarters GEEIA dispatched a representative to test and inspect the outside plant installations (high-frequency, single-sideband, air-to-ground, voice-modulated radio sites) at Westover AFB, Offut AFB, March AFB, and Barksdale AFB. In particular, the single-sideband antennas installed by the contractor, (Alpha Corporation), were to be tested and inspected. The antennas (log periodic steerable) were found to have voltage standing wave ratios in excess of two-to-one which was not in conformance with the minimum requirements stipulated in the contract. The antennas were also subject to mechanical oscillations, set off by surface winds, that eventually caused structural breakage - breakage not only to the

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antenna elements, but to the jumpers between the elements as well. Alpha Corporation was advised of the deficienoies in its antenna systems and the necessity for correction action. The contractor was in the process of taking such action. As of 31 Dec 60, only the installation at Westover AFB remained to be inspected by GEEIA.[27]

COMLOGNET: Technical, construction design criteria development was furnished to Western Union Telegraph Co., Air Force Regional Civil Engineers and Hq AACS for the COMLOGNET Switching Centers at McClellan, Norton, Tinker, Gentile and Andrews Air Force Bases. Action included attendance at Pre-Design conferences, preliminary and final drawing reviews. Other actions included were attendance at all Construction Sub-Phasing Group meetings and in Nov 60, a GEEIA representative was appointed chairman of this group. Throughout this period, GEEIA monitored all phases of construction of the COMLOGNET System.

416L: During this period, a revised Master Air Defense Plan was coordinated and implemented by Hq USAF, ADC, GEEIA, ESC and others.

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This plan deleted 13 prime sites and 66 Gap Fillers from the Air Defense Program. In addition, the Denver-Salt Lake City Section was assigned to the FAA for surveillance purposes only with data from this area to be fed into the Air Defense System. The Oklahoma City ADS, as a result of this plan, became a manual sector. Approval and implementation of this Master Air Defense Plan, together with changes in funding and construction BOD's as a result of the AC&W AFRCE conference held in August 1960, were the major factors causing slippages in the Air Defense Program.

In addition, GEEIA continued chairmanship of the joint GEEIA SAGE/ACW Program Reviews held prior to the AC&W Phasing Group meetings held at ROAMA.[28] The purpose of these reviews was to provide to the operating command at the AC&W Phasing Group reprogramming for the most realistic installation and operational data based on construction BOD's, material availability, and installation capabilities of GEEIA. A study made of the GEEIA/SAGE/ACW Program Review indicated a progressive improvement by GEEIA in meeting dates for scheme submission, engineering, and installation start and completion dates.

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The Gap Filler Program was also reviewed during this period by Hq GEEIA, ADC, ROAMA/GEEIA, and a revised Gap Filler Program was established. This review realigned the Gap Filler Porgram in accordance with the revised Master Air Defense Plan, determined the quantity of Gap Fillers to secure ECCM fixes, proposed cost study on conversion of Gap Fillers to new configuration of AN/FPS-74, and programmed the installation and modernization of the Gap Fillers in the ZI and in the CADIN Program. This program will cover a period of time from October 1962 thru November 1965 and involve installations and/or modernizations affecting approximatly 182 Gap Filler sites. These programs changes and modernizations considerably increased GEEIA's workload.

During this reporting period, GEEIA assisted ESC and AFCCDD in the engineering of a modernization program for the AN/FPS-14 and AN/FPS-18 radar sets.[29] This study was approved by USAF with the result that all Gap Fillers in 416L will be up-dated to AN/FPS-74 radar sets.

Following the release of the NORAD Low Altitude Coverage requirement, GEEIA participated with ADC in the development of

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siting criteria. This criteria, which included the procedures for selecting and siting an AN/FPS-74 Gap Filler, was forwarded to the Regions to be used as supplemental information to the ADC Siting Directive.

GSMO and Hq RCAF personnel were given a briefing on the AN/FPS-74 radar set and the impact it would have on the Canadian Gap Filler Construction Program.

A Gap Filler engineering plan had been developed, detailing the varied responsibilities, problems and costs associated with modernization of the AN/FPS-14 and AN/FPS-18 facilities. This plan was included in the ECCM modernization plan.

The TD-285/FST Gap Filler Multiplexer was required at each SAGE Heavy Ground Radar Station having control of one or more remote gap filler radar stations. FGD and/or SDV data, received from the remote gap filler stations, was time division multiplexed by the TD-285/FST, transmitted via the output section of the AN/FST-2 and all data circuits for integration at the AN/FSQ-7. The TD-285/FST will be compatible with the AN/FPS-14, AN/FPS-18 and AN/FPS-74 Gap Filler radars. Amendment #3 to MIL-M-26263 (TD-285/FST design specification), which made substantial changes in the equipment design, was received and comments were forwarded to AFCCDD.

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SFEL FC-2-13 was in preparation and an advance Engineering Bulletin was scheduled for release in May 1961.

416L CADIN: Between 1 July and 18 October 1960, there was little significant progress on the CADIN Gap Filler Program, apart from the approval of 22 sites by the Joint Air Defense Program meeting 964-106 (A/CCE) on the 29th of August.[30]

At a meeting in the Pentagon, on 19 October 1960, the improved Gap Filler Radar was agreed upon and RADC was asked to write up the military specifications. On 31 October 1960, Hq ADC (USAF) promulgated the Revised Siting Directive for the Low Altitude, Unattended Gap Filler Radar Program.

Military Specification MIL-R-27090, on the AN/FPS-74, was completed 8 Nov 60, (The AN/FPS-74 was comprised of Modification Kit MK568/FPS-14 and AN/FPS-14 Radar Set or Modification Kit MK569. FPS-18 and AN/FPS-18 Radar Set). The standard Gap Filler package consisted of the following SFEL's:

a. FC-1A-19, which included the AN/FPS-74 and the AN/FSW-1.

b. FC-3-62, which included the AB-673 Tower and the CS-413 Radome.

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c. FC-2-13, which was the TD/285 Multiplexer.

Where a Firewatch Tower was required, the following SFEL's replaced SFEL FC-3-62:

a. FC-3-64, the AN-645 Tower and CW-413 Tower.

b. FC-3-48 the AB-554 Tower extension.

Forty-three CADIN Gap Filler sites were approved by the responsible authorities for USAF and RCAF at a meeting at RCAF Headquarters in Ottawa on 28 November 1960. Two additional sites were scheduled for resiting early in 1961. The CADIN CEIP, dated 15 February 1960, was revised at a conference in Ottawa 30 Nov 60.[21] USAF and ADC Headquarters was to publish the revised CEIP.

The Bidder's Conference at RADC, 13 Dec 60, set 23 Dec 60 as the cut-off date for the submission of Technical Proposals covering the FPS-74. The contract would be let not later than 6 February 61, with first article to be completed February 1962; and the first production model to be ready in June 1962.

AN/FPS-6B and AN/FPS-507: The work statement for the AN/FPS-6B and AN/FPS-507 was completed 1 Nov 60, and forwarded to GSMO on that date. This finalized version was completed 1 December 1960 except for exhibits I and II.

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Exhibit II consisted of drawings for an AN/FPS-507 installation in the AN/563 tower. This portion was held up due to the finalizing of the SM-72 transmitter contract awarded to Canadian Marconi Co. This was finalized around the end of December 1960.[32]

Ground/Air Transmitter Receiver Facilities: C-4 Edgar GATR site was completed and accepted 8 December 1960. The RCAF revised requirement for VHF was met by the use of AN/FRT-503 transmitters. Interim Standard IS31Z-1-7 has been amended.

All site reports where reviewed and GEEIA concurrence given with Engineering plans for three sites revised.

The CADIN CEIP was rewritten to reflect changes in requirements. Copies of the new CEIP were expected at Hq GEEIA by 31 Jan 61.[33]

Data Monitor and Control Center The configuration of DMCC equipment at all sites under the CADIN program was completed and approved by each interested agency. Appropriate drawings were produced and distributed through GSMO to the installation contractor. A total of seven configurations were involved for Canadian sites. At twenty-one sites, a Stage III type SAGE Annex was planned for construction. The DMCC will then be housed in the same building

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as the FST-2.[34] In the remaining eleven sites, the DMCC will be housed in either the present operations building or in the Search Radar Tower.

Frequency Diversity. The RCAF Construction Agency produced drawings for the FPS-7 and 26. The RCAF drawings were reviewed to incorporate the Corps of Engineers design for the heating and ventilating system.[35]

Heavy Radars. Site construction at Moosonee (C-44) and Chibougamau (C-42) commenced in August and October respectively and progressed steadily; however, some slackening in construction during the winter months were anticipated. The contract for two AN/FPS-67's (FPS-20A with AN/GPA-103) for these sites was awarded in August, with delivery expected in November 1961.[36] There was considerable reluctance on the part of the RCAF to accept the FPS-67 in lieu of the FPS-20A, due to their lack of confidence in the GPA-103. Agreement was anticipated during January 61. In the interim, universal installation plans were being completed to cover installation of the AN/FPS-67 or AN/FPS-20A in the Canadian 60 x 60' Tower Building.

Department of National Defense Inspection Services: DDN/IS participated in the finalization of work statements for the AN/FST-2B,

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AN/FPS-27 amd GATR installations, representing Hq GEEIA as Site Project Officers. To date, DND/IS formally trained one inspector at a Burroughs conducted 16 week course on the AN/FST-2B. This inspector was utilized on the AN/FST-2B installation at C-4 and in the training of other DND/IS personnel. One other DND/IS inspector was being trained at Burroughs to assure adquate trained personnel for the 1961 installations. Another individual received OJT at a U.S. GATR site and was employed in the spection of GATR facilities at C-4. Formal training in the U.S. on the AN/GKA-5, AN/FRT-49, AN/FSQ-7, AN/FPS-74, AN/FPS-7C, AN/FPS-27 and AN/FPS-26 for 13 DND/IS inspectors was being arranged, and will be either ATC or contractor conducted courses. When trained, some of these persons would be utilized as instructors for the other DND/IS personnel.[37]

431L. This system provided continuous upgrading of NAVAIDS facilities worldwide.[38] As new items were introduced into the inventory, they were programmed for installation. Due to the continuing nature of this process, there were no readily identifiable progress milestones. There was no well-definded schedule of events for this program because the original CEIP was continually being modified by 524 action.

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433L: During this reporting period GEEIA participated in the installation phases relative to the development of the Weather Observing and Forecasting System (433L). Eastern GEEIA Region collaborated on the installation of two service test installations of the AN/FPS-68 Meteorological Radar Set. This was the first time GEEIA had been actively included in a service test installation, thereby, establishing a precedent.[39]

438L: The ACERP 1D001 for the 438L Intelligence Data Handling System was approved 4 January 1961. Requirement for a CEIP was waived and AF Forms 524 were submitted for two additional locations.

Very little other activity was required from GEEIA in this program period; with the exception of a conference held with the SPO. GEEIA was notified that additional engineering-installation assistance would be required in the future provided the project was fully funded.[40]

466L: The purpose of the 466L System was to collect intelligence by electro-magnetic techniques. The sub-systems which make up 466L are the AN/FLR-3, AN/GLR-1, AN/GLR-4, and a data processing sub-system. The GLR-1 prototype was then

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under installation with the first "follow-on" GLR-1 installation of immediate interest, since GEEIA had the E&I responsibility for 466L. GEEIA also was preparing the definitive drawings for buildings and antenna foundations for the first follow-on sites.[41]

473L: A contract was let 30 June 1960, to IBM for a system design analysis study for 473L Quick Globe System. GEEIA participated in this project to the extent of writing a work statement to be used in negotiating a total contract on a fixed-fee basis.[42]

465L: This system provided a completely integrated control system capable of constant and instantaneous monitoring of all SAC force status. GEEIA was responsible for engineering and installing the crypto facilities for the system, the relocation of teletype facilities, relocation of command post communications equipment and installation of cable from base MDF to the 465L distribution frame at all installations.[43]

In addition, a review of the 465L System and Joint Test Plan indicated that GEEIA's involvement in certain engineering and installation aspects of this system made it responsible for all relocations where necessary. Inside or outside plant requirements relating to the system which the contractor was not required to perform was also necessarily a GEEIA responsibility.

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In a letter to AMC-ESC, 1 Sep 60, GEEIA requested full team membership in order to properly identify and to discharge its responsibilities toward the overall implementation of the 465L System. This enabled the Hq and the GEEIA Regions to be fully cognizant of their responsibilities for planning, budget and time phasing of actions to conform with the overall scheduled objectives. GEEIA offered to assign a GEEIA representative to the 465L Test Force to act as an official member and liaison point for coordinating activities for testing, evaluation, and installation of 465L.[44]

480L: The 480L support program continued to be an evolutionary program of development, improvement, modernization, and expansion of circuits and facilities to provide the United States Air Force worldwide communications to support the Air Force mission. This program, titled "AIRCOM" included all Air Force communications facilities and circuits except those established for weapons control within the SAGE system, temporary networks supporting tactical operations, research-development and test support facilities, and local base support communications. The initial phase of the 480L support program provided for the application of current state-of-the-art resources

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to shore up weak points in the communications systems already in existence. This phase consisted of myriad projects and programs which could conceivably fall within the 480L support program. No firm parameters or limitations to the 480L support program were clearly established.

GEEIA was involved to varying degrees in this phase of the program. Some of the various projects were accomplished by a GEEIA organic E-I effort, while others were either contractual or a combination of contractual and GEEIA efforts.[45]

The major projects, within the 480L support program initial phase, were generally on schedule as of 31 Dec. Rapid changes in operational requirements hindered some of the lesser projects within this intial phase. Another problem in this area was a lack of timely land acquisition.

Phase II of the 480L support program was a study and evaluation of future communication needs to support the Air Force mission. International Telephone and Telegraph (ITT) had the contract for this phase and GEEIA was not directly involved at this time.

Through the assumption of 480L management by the ESC SPO, a certain amount of misunderstanding as to those areas in the E&I

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category relative to GEEIA's participation was evidenced. The 480L SPO indicated direct management by their office of four specific projects; the Trans-Med Tropo, Barter Island-Fort Yukon, Blue Grass and Iceland-UK Tropo. All four of these projects were 100% contractor effected efforts. GEEIA's apparent participation seemed to be restricted to the facility acceptance in each case. Further clarification of the ESC-GEEIA relationship was hoped for in the near future, so as to insure proper mangement, effective coordination, and timely implementation of the continuing 480L Program.[46]

Quick-Fix Phase AIRCOM Modernization Program: The Quick-Fix Phase of the AIRCOM Modernization Program provided for the Contractor to engineer, furnish, and install the expanded and modernized facilities at selected high priority AIRCOM Stations.

This effort provided a modernized Intersite Facility utilizing Lenkurt 45BX3 multiplex and Lenkurt 74A microwave RF equipment in liew of CMT-4, CLR-6/7 equipment and 2 KW power amplifiers utilizing scatter techniques which would eliminate electronic repeaters. The technical control facility was to be modernized and expanded in capacity to furnish a quality control monitor

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position, monitor active teletype circuits. Certain point-to-point HF multiplex circuits were also to be converted to the single-sideband mode of operation with either 8 or 16 channels of teletype and up to 3 voice circuits, with facsimile service on a call-up basis.

Selected G/A stations were converted to tri-mode operation (AM - Upper sideband - Lower sideband) with a new operating console and recording facility. Three major groups of facilities were under contract:

1. 1st priority facilities covered by FY-59 funding.
2. 2nd priority facilities covered by FY-60 funding.
3. Voice Augmentation. This latter group covered facilities primarily within the Pacific GEEIA Region area of responsibilities, providing some new circuits and the addition of the 2nd and 3rd voice capability to presently existing single sideband circuits.

Hq GEEIA was appointed Project Manager of the Quick-Fix Program and was responsible for the entire effort.[47] This included monitoring and standardization of the system engineering to assure that the system design was compatible with the operational concept, and

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acceptable to the operating command. Adequate coverage for the allied support areas - maintenance, tech data, provisioning, shipping, was also included.

The responsibilities of the GEEIA Regions in support of Quick-Fix were threefold.[48]

(1) Direct support in monitoring the contract installation and acceptance.

(2) Indirect support in providing organic effort for engineering and installation of outside plant associated with G/A.

(3) Associated support in engineering and installation of M/S amplifiers and rehabilitation of the outside plant utilized in circuits on P/P and G/A.

In the first instance, the Regions basically monitored the contract installation for Quality Assurance and acted as Hq GEEIA representative in any problem areas by conducting acceptance tests as outlined in T. O. 31-1-8 in conjunction with AFTO Form 88. In this latter area Headquarters GEEIA provided each Region with facility acceptance test data and assisted each Region in conducting the first acceptance test on each basic facility.

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In the second and third areas of responsibility, Hq GEEIA provided each GEEIA Region with information regarding the workload. This information was contained in Part IV AACS Plan 556-59 as revised by Amendment #1 dated 29 April 1960, by ROZ letter, subject: "Transfer of AIRCOM Field Engineering Workload," dated 6 Apr 60 and by ROZI letter, subject: "AIRCOM Responsibilities (Quick-Fix)", dated May 1960.

The Prime Contractor (Philco) presented installation charts showing completion dates for all facilities which were under contract 1 June 1960.[49] However, these charts were not valid due to equipment delivery delays encountered from sub-contractors, changes to contract items both from location and a technical viewpoint and changes to priority of installation.

A prime area of difficulty in the Quick-Fix Program was the time lapse between the time the Contractor made his field survey and the time the approved floor plan reached the GEEIA Region. This was partially solved by requiring each Region to notify Hq GEEIA of any changes to the station complex occurring after the contractor's field survey and prior to beginning of the contractor's field survey and prior to beginning of the contractor's installation effort. Each

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Region was furnished data on the facilities being installed by the contractor, therefore, areas of conflict should be held to a minimum. It was not believed necessary to coordinate the floor plans with the Operating Agency Field Units nor with the GEEIA Regions prior to final sign-off as the drawings had been prepared to a station standard as far as possible, therefore any changes that could be made would deviate from the standard. The cases where it became necessary to deviate were negligible. In addition, the time consumed by transfer of drawings to the field, review and return, was prohibitive due to the short schedule imposed upon the Contractor.[50]

During this period, Quick-Fix progress was such that extensive installation was underway at 11 of the 23 major world-wide stations undergoing modernization. The new intersite facilities were 100% complete at Andrews, McClellan and Hickam, with work essentially complete at Lajes, Andersen, the Pentagon and Wheelus. Intersite at Kadena, Harmon and Adana was nearing completion and Tech Control modernization was underway at 6 stations with partial checkouts completed at Andrews, McClellan and Hickam.[51] Ground/Air installations were also underway at six stations with Andrews about 50% complete.

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Administrative management of this program was taken over by the Directorate of Installations in August, with Contract Services Division assigned as OPI. The Directorate of Engineering continued as OPI for technical requirements.

SAC Teletype System (CEIP 1CO1K): This CEIP provided SAC a worldwide teletype net. This system netted the subordinate headquarters with Hq SAC and netted the bases with the subordinate headquarters, providing simultaneous receive and transmit capability for classified operational and administrative traffic. This system was an integral part of AIRCOM Net, allowing SAC traffic to be reouted into and received from other systems.

GEEIA was responsible for engineering and installing the facilities for this system.[52] Although this system was essentially established, however, operational requirements dictated continual relocation of certain equipments. This was accomplished in a timely manner. GEEIA managed to meet 95% of its obligations during the reporting period.

Ciphony Program: Three major Ciphony Programs have been or were being engineered by GEEIA.[53]

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The initial program, implemented during the past several years utilized KO-6A units for long distance communications and KY-1 units for intrabase work. Several of these units remained to be installed at specific locations. With the exception of units programmed and available, no new production was planned. General information pertinent to these equipments was provided to GEEIA Regions in the form of drawings and a SFEL package.

The second program involved installation of 100-KY-9 Ciphony Terminals to serve command locations netted by a long distance network. The equipment was intended to be located in user's office or operating area. Production of these units was at the rate of five per month and was to be continued at this rate for the duration of production. Field installations will be accomplished beginning in February 61, with installations by the GEEIA Regions. Installation check out of equipment and each pertinent transmission circuit will be accomplished by traveling teams working out of Hq GEEIA. These teams will be comprised of an engineer and an airman, qualified in the check out procedure. This program should be complete by Jan 63, if programmed commitments were not increased.

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The ultimate Ciphony network was in the planning stages as of 31 December.[54] The KY-3 Ciphony terminals, designed for office or operating location installation, and SY-1 switchboards would comprise an intrabase network, which was being developed for compatibility with a long distance interbase network tentatively comprised of HY-2 Vocoder, KG-13 Key Generator, and SEBIT-24 Line Modem Units. Design of these individual components was nearing completion, but numerous problems remained to be solved with respect to degree of automaticity required in completing a call, method of synchronizing of phasing units in a switchable network, method of selecting encrypted at user's option, etc. Allotment of production contracts was delayed pending resolution of these problems and analysis of field tests utilizing shop models of these equipments.

Representatives from ARDC, NSA, USAFSS, RADC, IEC, 480LSPO, and GEEIA currently comprise a COMSEC working group to study the systems netting problem.[55] The first meeting of this group was scheduled to be 24 January 1961. It seemed unlikely that the subject network would be ready for field implementation prior to FY-62.

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CONELRAD: Engineering Standards had been developed and included the revision of SFEL Packages FA-1-01L, FA-1-01M, and FA-1-01N. Drawings NAV-10018A, NAV-10026 and NAV-10027 were revised to reflect these engineering changes.

An Engineering and Installation Standard on the AN/GRA-30 Transmitter Control Group was under preparation.[56]

Defense National Communications Control Center(DNCCC): During the first week of August 1960, the newly formed Defense Communications Agency requested the loan of two GEEIA engineers to assist in the engineering planning of the defense National Communications Control Center located in Building 12, Navy Service Center, Arlington, Virginia, and approximately 10 Defense Regional Control Centers world-wide. The assistance requested covered both long haul point-to-point radio systems for Army, Navy and Air Force as well as computer techniques as applied to traffic display engineering problems. By direction of the Secretary of Defense, the DNCCC was to be operational by 1 Mar 61.

Upon activation of the DNCCC, traffic data relative to the long haul point-to-point systems operated by the three services was to be supplied from the Army Station at Fort Detrick, Maryland, the Navy

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Station at Cheltenham, Maryland, and from Andrews AFB, Maryland. This information would contain the system, circuit and traffic status and indicate circuit outage as well as traffic backlog. Reports will be received on an hourly basis programmed into a computer and displayed on circuit and traffic display boards. Aside from the reporting circuits, many other voice, teletype and data circuits to Army, Navy and Air Force Commands, Security Agencies, Department of Defense, the Executive Branch and others were to be a part of the DCA communications complex.

The GEEIA engineers in conjunction with the Army Corps of Engineers planned and engineered the communications center for the DNCCC, assisted in resolving air conditioning problems and established the criteria for critical and non-critical primary power loads embracing a "no-break" power feature for the computer and ancillary equipment.[57] Preliminary floor plan drawings were generated and building size and power requirements were established for the DNCCC locations.

Upon return to Hq GEEIA in Oct 60, action was initiated to furnish the DCA through Hq USAF (AFMME-EE) approximately 375 AIRCOM published general drawings and GEEIA Standards.

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This project was essentially complete and should be submitted early in 1961.[58]

NORAD Control Centers. The final manuscript of Part IV of T.O. 31Z1-416-10 which covers Air Force installating engineering at NCC/MM and NCC/BIRDIE sites was prepared, reviewed and submitted for publication.

Action was initiated to determine the Army video requirements from the FD radars, the AN/FPS-7 and AN/FPS-20 radars as modified for AJ capability.

The requirement for Beacon video buffers and isolation amplifiers was more completely evaluated during this period. Five special amplifiers AM-2722 were designed and built by Hallicrafters under their Quick Reaction Capability contract with ESC. Meanwhile GEEIA established standards for every type of site configuration; and notified ESC, WECO and all GEEIA Regions that the AM-2722 amplifiers were not required. Considerable effort was exercised to preclude needless procurement of these amplifiers.[59]

Birdie is a contraction derived from the title "Battery Integration and Radar Display Equipment". The complete title was significant in that it implied, and correctly so, that missile

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batteries were integrated into NORAD's radar defense network under the BIRDIE program. The AN/GSG-5 (V) or AN/GSG-6 ( ) was the electronic equipment employed by the Army to accomplish NIKE missile deployment and control in such an integration. Seventeen BIRDIE installations were programmed, seven of which will be hosted by the Air Force. Standards, in the form of an Advance Engineering Bulletin, were developed and distributed to the GEEIA Regions concerned with the Air Force BIRDIE installations.[60] Revision A to the original standard was forwarded to the Regions during the latter part of the reporting period. Three schemes were received for review.

Seaward Extension: The purpose of the Seaward Extension Program was to provide communications between early warning and control aircraft (AEW&C), radar picket ships and their associated SAGE direction centers. The communication facilities were used for the transmission of radar data to the direction centers, control of interception aircraft, flight plans, weather data, etc.

These communications provided by HF radio-telephone and radio-teletype from the seaward elements to intermediate shore stations and from there to the direction centers by landlines went through two shore stations on the East Coast of the U.S.

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and two on the West Coast. This report augmented previous reports on the Seaward Extension Program which was initiated in 1957.

Following the finalization of engineering by GEEIA, a meeting was held by ADC on 11-14 October to prepare AF Forms 524 to include all changes that had been made subsequent to the original CEIP.[61]

Eastern and Western GEEIA Regions have accomplished local engineering since their assumption of responsibility in January 1960. C-E Schemes had been partially submitted to Western GEEIA Region.

SAGE: A new Technical Order T. O. 31Z1-416-10 "Integration of SAGE Systems Facilities" was under preparation by GEEIA,[62] to provide complete engineering-installation data pertaining to SAGE Sub-System facilities. This new tech order replaced T. O. 31-1-70 "SAGE Integration of Heavy Ground Radar Stations". Assembly of installation-engineering data pertaining to search radars, height finder radars and the coordinated data transmission equipment was started in September 1960 and will become Volume II.

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Ground/Air Transmitter Receiver (GATR) Facilities: Hq USAF deleted the requirement for the AN/FRA-37 Directional Antenna at some of the Type "A" GATR sites. These sites were then designated as a Type "AX". At present, the types of radio communications facilities are classified GATR Types A, AX, B, C, CX, D and E.

It was decided by Hq USAF to incorporate the AN/FRT-49 High Power Amplifier and the AN/GKA-5 Time Division Data Link (TDDL) equipments at Type "E" GATR facilities. These new sites were classified as Type "C", when some of the low power voice equipments were removed to make room for TDDL equipment, and Type "CX" where a 250 square foot building addition was constructed to house all the voice equipments and TDDL. The Type "C" facilities will eventually become Type "A"; however, the Type "CX" facilities will remain as permanent sites. Installation drawings for the Type "C", "CX", and the "D" facilities were prepared and completed during this period. All but two of the installation standards for the Type "E" facilities were finalized.[63]

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GEEIA currently established a policy that in order to provide proper logistic support of the existing and new VHF equipment, separate SFELS would have to be prepared, T.O. 31-1-11 had to be amended and returned SFEL FB-5D-03 to the old configuration containing the BC-640 transmitter and the BC-639 receiver. A new SFEL FB-5D-08 was initiated to reflect the AN/URT-7C transmitter and the AN/FRR-57 receiver. The deliver of this new equipment was anticipated to start in September 1962.[64]

The AN/FRT-49 High Power Amplifier installation drawings were being revised. These changes were derived from the actual installation of the amplifier at a SAGE facility and were being incorporated in the drawings for ease of installation. The revisions will be distributed to the field during the third quarter of FY-61.

The responsibility for the AN/FRA-37 Directional Antenna specification was transferred from AFCCDD to Headquarters RADC. Hq RADC feld that the specification must be revised and were presently incorporating changes. Progress neared 80% of completion for the antenna work statement with final completion anticipated one week after the specification completion by RADC. It was expected that an award of contract would be given to a manufacturer during the third quarter of FY-61.

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In September, GEEIA forwarded the complete manuscript for the AN/GKA-5 Technical Order for preparation.[65] During December 1960, the final draft of the T. O. had been prepared, reviewed and approved for publication as T. O. 31S1-2GKA-5-10. On 30 December 1960, GEEIA received the T. O. for security classification in accordance with AFR 205-1.

In October, drawings and tech data on current production models of the AN/GKA-5 were obtained from the contractor to be used for up-dating existing drawings and T. O. 's. The existing drawings and T. O. 's were based on developmental and transitional models. Tech data up-dating was in process.[66]

Positive recommendations for the use of band-pass filters in the output of the AN/GKA-5 were received from RADC, MITRE, ADSIC, FCCDD, SAGE P. O. and other responsible agencies. Since none of the agencies would authorize a change to the AN/GKA-5 specification or procurement, GEEIA advised Hq ADC. Based upon the unanimous approval of the desirability of the filters, GEEIA recommended that ADC program for the filters via SFEL FB-6A-08.[67] Hq ADC took action on this recommendation. The installation drawings for the AN/GKA-5 were being modified to include the filters.

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AFCCDD, concerned about interaction between the AN/FRT-49, AN/FRA-37 and certain low frequency radars, called a conference at APG, Eglin, to discuss the possibility of on-site tests. Further meetings were held at RADC to determine the parameters required in measurement, test methods and materials, areas of responsibility, sources of supply, time schedules, etc. RADC prepared a basic test plan and AFCCDD supplied an AN/GKA-5 to RADC for preliminary tests at Verona. Conduction of interference tests between high power TDDL and ADC radars had not begun as of 31 Dec 60.[68]

SAGE Long Range Radar Facilities: Installation technical order 31P6-2FPS7-17 was undergoing major revisions to reflect MCP tower requirements, SAGE peaking specifications, and inclusion of other installation data presently lacking.[69]

Organic AN/FPS-7C installations in the MCP tower commenced, with no major problem areas reported. The Corps of Engineers were requested to review MCP tower cooling requirements for future installation of Anti-Jam equipments which have reduced ambient operating temperature limitations. In line with this, the Corps of Engineers were also requested to review their

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tower heat loading calculations, since it appears they have neglected to consider solar radiations and radome loads.

Preliminary work began on revision of all GEEIA drawings. A series of meetings were held with ROAMA as a result of an engineering recommendation that GEEIA assume responsibility for the ECCM modernization of this radar. A decision was made during December for GEEIA to install this equipment. Work statements, SFEL's and implementation plans have been prepared on an expedited basis. Engineering standards and the CEIP remained to be prepared during the next six months.[70]

AN/FPS-24: Monthly milestone meetings on the AN/FPS-24 radar were conducted.[71] Installation work statements were prepared and contractor-buyer coordination meetings attended. Priority action was taken to inform AFRCE-NA and cognizant GEEIA Regions of a situation where stowing plates were incorrectly located on AN/FPS-24 definitive drawings. This resulted in corrective action to definitive drawings and to all but two towers already installed. The two towers were in the process of correcting at no cost to the government through combined contractor-GEEIA action.

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Equipment layouts and floor plans were completed and established as GEEIA Standard ROZ-1200. Reproducible copies of this drawing were sent to all GEEIA Regions scheduled for AN/FPS-24 installations. GEEIA initiated ECP action to have the FPS-24AJ console moved to a new location (the manual annex) as part of the new DMCC program.

The first draft of contractor prepared AN/FPS-24 test plan and facility engineering manual technical deficiencies and omissions were enumerated for the contractor, who agreed to make listed corrections. An AN/FPS-24 facility engineering manual was being prepared by GEEIA.

AN/FPS-26: Frequent steering group meetings on the AN/FPS-26 radar set were held during this period. The purpose of these meetings was to insure that pertinent milestones were met; and to resolve any problems that may have arisen to delay the program.[72]

A study was made to clarify the requirement for gantry cranes in the AN/FPS-26 program. These cranes needed on towers with 75 foot extensions, and in special cases where mobile cranes are not available, indicated that nineteen sites require gantry cranes. From the first fifteen (15) systems, two sites will obtain cranes direct from the contractor. The remaining thirteen cranes will be stored at ROAMA and made available to GEEIA Regions as

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necessary.[73] GEEIA also requested RADC to amend the follow-on production contract specifications for the FPS-26 to eliminate the procurement of all but four gantry cranes. Hq Western GEEIA Region re-evaluated this proposal and deleted their requirement for a crane at P-57.

T.O. 31P3-2FPS26-10, Volume I, titled "Engineering Information" was received from the contractor for review and comments. It was also forwarded to ROZMWT for their review on X-ray radiation, hazard radiation and interference. (This is a Grade II type technical order).

The first AN/FPS-26 production meeting was held at the contractor's plant to discuss pertinent items which may effect the status of delivery schedules on the first AN/FPS-26 radar installations. An AN/FPS-26 installation was made during this period at M-129, McDill AFB, Florida.

AN/FPS-27: A Westinghouse proposal for the Phase I accomplishment of the AN/FPS-27 CADIN Work Statement (ROZ-60-31) was received during this reporting period. Considerable time was devoted to assisting ROAMA in the review and evaluation of this proposal. The cost was felt

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to be excessive (approximately $400,000) with a major contributing factor being the large number of hours required for engineering study and design necessary to install the equipment in the MCP tower. GEEIA took the position that these charges should be included in the basic equipment contract.[74] In a recent meeting between members of ROAMA, Hq GEEIA and RADC, the RADC representative backed the Westinghouse position on this matter. As a result, all parties agreed that these charges would be applied to the CADIN Phase I Work Statement.

Power and equipment cooling requirements were reviewed and it was determined that they were excessive. It was not possible, however, to obtain any commitments from Westinghouse on this matter since they have a new klystron under development and its characteristics will greatly affect primary power and cooling requirements. It was noted, however, that if the tube met Westinghouse design specifications, primary power and cooling requirements would be excessive. This matter will continue to be vigorously pursued, since a considerable saving of Air Force funds can be affected with the adaptation of more realistic figures.

RADC was requested to initiate ECP action with Westinghouse, to permit relocation of the Anti-Jam Console from the equipment tower

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to the manual portion of the SAGE Annex. This was necessary to satisfy Headquarters ADC's DMCC concept. Westinghouse had been officially notified of this change and was preparing an ECP.

Review of the Corps of Engineer's site adapted drawing for P-65 was recently completed. Two serious deficiencies were noted; one being the absence of a pipe trench to the equipment cooling tower, and the other was the absence of any reference to the cooling tower itself. Present plans show the construction of a perimeter road in the area normally occupied by the cooling tower. Action was taken to notify Eastern GEEIA Region and AFRCE-NA of these deficiencies. Action was also taken to include the pouring of the equipment cooling tower footings as part of the MCP tower requirements.

Sketches to reflect the addition of new Anti-Jam equipments in accordance with primary power requirements were reviewed and more realistic figures were arrived at, based on field measurements made by members of GEEIA and the General Electric Company.[75] These figures were forwarded to the Corps of Engineers.

AN/FPS-28: As stated in the last report, this radar was cancelled from the Air Defense Program.[76] Headquarters GEEIA, however, continued to monitor the FD-Joint Task Force reports on the development model

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in MOADS; thus keeping alert for possible future implementation action.

AN/FPS-35: The first AN/FPS-35 Production Progress Meeting was conducted at the Sperry Gyroscope Plant. Following this meeting representatives of Sperry and Hq GEEIA visited the prospective GEEIA Regions to orient and brief the installation personnel on the program. Subsequent to the visit, ROZMAD Exhibit #7 was revised and published as T.O. 31P6-2FPS-35-27 and distributed to the Regions.

At the request of the FD radar contractor, it became necessary to replace all Technical Representatives, serving Eastern GEEIA Region as on-site engineers, with engineering type Federal Service employees.[77]

Steel towers were provided at two sites, P-29 and SM-149 in lieu of the standard concrete design. The radar contractor immediately noted discrepancies in the steel towers that would affect the radar installation. A trip was made to each site, by GEEIA and Sperry representatives, for the purpose of outlining the problem areas and defining the seriousness of the situation. During August, a meeting was held at Hq GEEIA between all agencies concerned to outline a procedure that would resolve the problem

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areas. As a result, Sperry submitted an ECP to render the radar compatible. Minor changes were made to the tower; and Sperry was provided with site adapted drawings to prevent the appearance of these same problems at any future sites.

At the fifth Production Progess Meeting, held at Sperry in August, Sperry estimated the technical data cost for the AN/FPS-35 would be $1.6 million.

A list of GFE, requested by Sperry, was reviewed by GEEIA Engineering; and appropriate comments and recommendations were forwarded to the Programming Division. Deletion of several items, requested by the contractor, resulted in a considerable savings of funds for the government, without interference to the program.[78]

AMC-ESC notified GEEIA, that the Acceptance Test Plan under preparation by MITRE, was delayed indefinitely. ESC stated that radar failures at Thomasville (OST Site) prohibited the use of the radar for establishing test procedures. Through the efforts of RADC, GEEIA and Sperry, adequate test plans were prepared and a revised version was included in the GEEIA standard for the AN/FPS-35.[79]

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The FAA, Sperry, and GEEIA met at the Contractor's plant to firm up FAA requirements for use of the AN/FPS-35 at Joint Use Site P-45, P-30 and P-59. Interim data, giving equipment layout and location, interconnection data, wiring diagrams and a bill of materials was forwarded to the Eastern GEEIA Region. It will be GEEIA's responsibility to connect from the AN/FPS-35 to the FAA Microwave relay equipment.

ADC had requested GEEIA to prepare for relocation of the AN/FPS-35 MAJAC to the DMCC. GEEIA prepared the equipment layout diagrams and specific requirements and requested the contractor to submit an ECP for the relocation.[80]

GEEIA participated in the BOD acceptance of SM-149, Baker, Oregon, as a result of antenna pedestal mounting bolts which were installed without proper adherence to the designated tolerances. Safeguards were initiated to eliminate this error at future sites.

Sperry Gyroscope met with RADC and GEEIA to present a proposal for relocation of the OA-1919 at the first four sites. Sperry was to submit an ECP in time to incorporate this change into P-20, Selfridge, Michigan, the first production site.

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The Sperry installation work statement quotation was forwarded for GEEIA review and comments. GEEIA was requested to provide technical assistance, if necessary, during the contract negotiations.

CW-396/A Rigid Radomes: Several meetings were held to discuss and investigate CW-396/A problems. It was found that the quality of rigid radome manufactured by Old King Cole (OKC) was unsatisfactory. The Alaskan Air Command verified that problems only occurred on rigid radomes manufactured by Old King Cole.[81] The appropriate Air Procurement District Office made an inspection and cancelled the OKC contract and a new manufacturer was obtained.[82] Leakage problems of the OKC radomes were resolved by caulking the radome completely with caulking compound EC-801 using Pyle Sealant Guns.

Four SFEL's had been engineered and developed on ancillary equipment for the radomes. They were:[83]

a. FC-1A-02B Radome Dehumidification HD-212/FPS-8.

b. FC-3-25C Radome Dehumidification HD-191/FPS-3.

c. FC-1A-06B Electric Space Heaters HD-100/FPS-3 & HD-101/FPS-3.

d. FC-1B-01E Electric Space Heaters HD-85/CPS-6 & HD-86/CPS-6.

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High Angle clutter was reported from several sites utilizing the AN/FPS-6( ) under the CW-396A radome. Scope photographs were obtained from some of these sites and a joint ROAMA/RADC/GEEIA on-site test was planned. RPI, Ft. Lawton, Washington was selected and part of the test was completed. The results indicated the radome, in areas having large ground returns (mountains, etc.) caused the high angle clutter. It was found that STC could be adjusted as an interim cure; but, a new radome will be required to effect a final cure. Action was taken to install and operationally test the AN/FPS-6( ) with the Rigid Radome CW-433/FPS.[84]

SAGE-GATR G/A C-E Scheme Review: During this reporting period, a total of 125 SAGE G/A C-E schemes were received by this Headquarters. The E-I agencies and actions taken are listed below:[85]

Region	Schemes Received	Received & Approved	Rtd for further action	Under Review
Eastern	67	64	1	2
Central	28	22	4	2
Western	30	26	1	3
TOTALS:	125	112	6	7

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Review of the above schemes revealed that in some instances engineering was being accomplished from obsolete data. This indicated that there may be a breakdown in the flow of information to the Squadron from the Region Headquarters.

Schemes prepared by the Squadrons, were processed through Region Headquarters for checking, prior to submission to Hq GEEIA for review. A more careful check by the Region Headquarters could have detected these irregularities and avoided delays by conserving C-E scheme review time while enabling the Region Headquarters to immediately detect any breakdown in data flow to the Squadrons.[86]

SAGE/BOMARC Program: The only government furnished equipment utilized in the Prelaunch Command System at an IM-99B base was the AN/GSA-28 Prelaunch Translator Group.

Boeing Airplane Company (Systems Contractor) specifications and appropriate technical orders have been reviewed and approved as GEEIA installation standards for this equipment. The initial BOMARC IM-99B system was presently being installed.

GEEIA's responsibilities in the BOMARC "A" Program was limited to the programming, installation inspection and acceptance of the

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ground C-E facilities.[87] In the BOMARC "B" Program GEEIA had engineering responsibility in addition to the foregoing duties. During the period covered by this report, the ground C-E facilities at two BOMARC "A" bases were accepted by GEEIA.

Since the BOMARC Program reached the installation and implementation phase, all of the Hq GEEIA responsibility for the remainder of the program , except the maintenance of BOMARC CEIP records, was transferred from Programming to Installations in September 1960.[88]

Joint ADC/FAA Program: The final FAA video output requirements from the AN/FPS-7, AN/FPS-20, AN/FPS-64 and AN/FPS-35 were established. At this time, these outputs do not constitute a requirement for the FD radar video processor modification mentioned in the last report. The FAA agreed to initially use the available videos from the FPS-35. In the event these outputs do not fulfill FAA requirements, alternate arrangements may be necessary. In this regard, the FAA intended to continue investigation of engineering changes which may be necessary to provide alternate outputs.

Final FAA video output requirements from the AN/FPS-7 modified for AJ capability, the AN/FPS-24 and the AN/FPS-27

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radars were not established A meeting was held with the FAA and the Westinghouse Corporation to discuss FAA video output requirements from the FPS-27 The FAA was evaluating the data obtained at this meeting. As of 31 Dec 60, final determination of FAA video output requirements from the AN/FPS-24 and AN/FPS-7C depended on further meetings between FAA and General Electric Co., the manufacturer.

Preliminary data required for the engineering of schemes for Joint Use sites was forwarded to the GEEIA Regions. The Eastern GEEIA Region has been directed to engineer schemes for Joint Use of the AN/FPS-35, based on preliminary standards issued by this Headquarters.[89]

GEEIA/FAA Common Standards: Prior to this reporting period, the Federal Aviation Agency (FAA) and GEEIA were jointly delegated the responsibility of developing definitive guidance and standardization of ground electronics systems common to both agencies.[90] Working groups were established to accomplish these tasks within their areas of responsibility.

During this reporting period, several meetings between the jointly delegated Nav-Aids working groups were held at FAA in

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Washington, D.C. and Hq GEEIA. As a result of these meetings, it was determined that the operational characteristics of existing equipment and flight-check procedures are common to both FAA and GEEIA. However, the equipment used to achieve the common operational characteristics is different. For this reason, joint standards were feasible only in future system development with efforts being directed to this end.[91]

Ballistic Missile Base Support Plan (CEIP 1A02K1 and 1AO2K4): These CEIP's programmed facilities directly supporting the functions relating to employment, countdown and launch of Ballistic Missiles. Three types of communication-meteorological facilities were involved; Weather, Administrative, and Intersite Communications.

GEEIA's responsibilities consisted of accomplishing the programming engineering and installation of this facility.[92] The original CEIP was submitted on March 1959 and approved in October 1959. As a result of the BMD/ESC/Convair/SAC Committee's revaluation of the weather requirements for the Ballistic Missile Program, a CEIP Amendment was submitted in October 1960 effecting extensive changes in weather facility requirements. After considerable follow-up action, Hq USAF advised Hq ROAMA by unclassified message AFMME-EE 70529, 19 Dec 60,

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that CEIPA as of October 1960 had been approved. The operational dates ranged from FY 2/60 to FY 1/63, making it impossible for GEEIA to fulfill its programmed or scheduled obligations. In recognition of this problem GEEIA took the following action: [93]

Hq USAF was requested to expedite action on the CEIP Amendment, outlined above.

Since the weather facilities were not an integral part of the over-all system, it was felt the weather facilities could be installed immediately prior to the scheduled operational dates of the SMS. This would give AMC more time to establish the required weather facilities. Concurrently, a GEEIA representative visited Hq SAC and evaluated all requirements against the actual operational requirements, effecting only minor improvements.

All available assets within the ROAMA/GEEIA complex were reserved for this program.

The Army was queried to determine if they had excess weather equipment which could be used to meet these requirements. However, this effort yielded no results.

All contracted items in conjunction with this program were expedited where possible.

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The procurement of additional weather equipment to meet these requirements was monitored to insure expeditious action was taken.

This above action resulted in getting the program out of the "woods". Discounting any unforeseen developments, GEEIA anticipated an "even with the board" status by FY 3/61 on this program.

It was estimated that GEEIA accomplished 50% of the entire workload during the reporting period. As indicated above, the program was in a continual state of flux, and did not become firm until 21 December 60, made it impossible to completely satisfy the customers' needs.[94]

The expansion of existing administrative facilities to meet requirements incident to the introduction of ICBM's into the AF inventory fell under GEEIA's jurisdiction.

GEEIA was responsible for programming, engineering and installing the expansion of 13 0011 Government Telephone and the expansion of five (5) 0021 Commercial Facilities.[95] This included the engineering and installation of the 0011 Government Facilities and the monitoring and supervising the engineering and installation of the 0021 facilities.

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Since the majority of these facilities were leased type, the Regions were primarily responsible for accomplishing these tasks. The progress of these installations were monitored by the U-5 and verbal reports and corrective action taken as needed. It was estimated that GEEIA accomplished 85% of the work that should have been done to satisfy the programmed requirements.

Intersite communication for the countdown and launching functions was part of GEEIA's responsibility also. This included the following:[96]

(a) Route Surveys

(b) Preparation of Specifications and Work Statements

(c) Provide Technical Assistance

(d) Manage Intersite Installations

(e) System Integration

(f) System Compatibility

(g) Technical Assistance for System Acceptance

(h) Provide Short Notice Interim Communications

(i) Technical Quality Control

To accomplish these functions, GEEIA established a Field Office with AFBMD/BMC and a Detachment was proposed at each Ballistic

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Missile Complex. This Detachment was or will be manned to perform all GEEIA on site functions such as installation, management, engineering and technical quality control.[97]

The Intersite Communications programs were as follows:[98]

	Titan	Atlas	Minuteman
Squadron Completed	0	3	0
Squadrons in Progress	5	8	0
Future Squadrons	8	1	12
Cable Mile/Squadron	200	225	500
Cost	$1.1 Million	$2.4 Million	$8.0 Million

GEEIA satisfied the customer for the Intersite Communications, albeit through improvisations at times.

If the intersite communication at any given ICBM site was government owned, GEEIA as the USAF E&I agent would assure technical adequacy of operational requirement and, in conjunction with the appropriate Air Force Procurement District, inspect and accept the facility from the contractor. If the system was commercially leased, GEEIA would notify the major Air Command (SAC) and/or the CSA Manager who would initiate appropriate Communications Service Authorization (CSA) action, in accordance with pertinent regulations.[99]

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GEEIA, as the USAF E & I agent, assured technical adequacy and, in conjunction with the CSA Manager, inspected and accepted the facility from the lessor.[100]

Project Majestic: During this period, a requirement developed to provide interim ballistic missile intersite communications. This requirement was studied by GEEIA and a proposed Operational Plan "Super Majestic" was drafted and forwarded. This plan, although not approved as of 31 Dec, would furnish a basis for interim ballistic missile intersite communications support from TAC.[101] In addition to this plan, AACS was queried on their ability to support this requirement. A project was also carried out in which vans were fitted with equipment at this Headquarters to be used by our own personnel in the event that no other method could be found to fulfill this requirement.

Space Instrumentation:[102] Project D-297, which was begun in February, supplied the Western GEEIA Region with information to engineer a CEIP for missile tracking radars at Edwards AFB.

Western GEEIA Region laid the groundwork to perform a study for ARDC on the total instrumentation requirements, 1964 through 1975, for a Space Vehicle Recovery Center at Edwards AFB. Project

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EA D-412 was assigned to this program; but no action was taken pending determination of the type and amount of assistance required.

Air Transportable Communications and Instrumentation Complex: The Test Ranges used in the Ballistic Missile and Satellite research and development program required the support of transportable communications and instrumentation. At the request of the Air Force Missile Test Center, Patrick AFB, Flordia, Eastern GEEIA Region prepared the technical assistance necessary for the procurement of the communications portion of the system.[103]

AMTR: Hq GEEIA and the Eastern GEEIA Region combined their efforts to provide the Atlantic Missile Test Range (AMTR) with technical control facilities or down-range communications. A total of seven such facilities were planned. The majority of the required equipment was being reprogrammed from AF assets recovered from existing plant as a result of the Air Com Modernization Program (Quick-Fix). To date, GEEIA personnel have visited Andrews AFB and McClellan AFB where equipment was surveyed, selected, and marked for use at the AMTR. Similar action will be accomplished at Lajes AB, Azores, and Wheelus AB, Libya.[104]

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Dyna Soar: The Dyna Soar Program, a manned space craft capable of orbiting the globe and then re-entering the atmosphere for an airplane like landing was in the early R & D state. However, GEEIA was responsible for establishing the required fixed communications, and tracking facilities in the Atlantic Missile Range.[105]

BMEWS Test Specifications and Test Plan: GEEIA participated in the review of the BMEWS Specifications with the BMEWS Project Office and various other Air Force agencies. This review was accomplished either by review at this Headquarters or through conferences with RCA engineers at the Project Office. Since RCA engineers would provide block diagrams and give briefings on the equipment, the last method of review was the most preferable.

The specifications provided the Air Force Test Team with an Air Force approved document for use in acceptance of the equipment and system. The Air Force Test Team composed of representatives of the concerned agencies which included the BMEWS Project Office, Hq RADC, ROAMA and GEEIA were thoroughly briefed on the equipment and tests to be conducted by contractor personnel responsible

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for performing the test. The duty of the test team was to witness the test and verify its results, noting whether or not the results were satisfactory. In addition, the GEEIA representative will inspect the installation to determine compliance with specifications and/or accepted standards.[106]

Tentative acceptance of the equipment at Site I was made on an individual basis during the installation phase. BTSP's 101/1/1 and 102, and 101-3/1 were approved by the BMEWS Project Office and used for acceptance tests for Site I and NORAD/SAC systems. Central GEEIA Region personnel represented GEEIA for the NORAD/SAC tests. The responsibility for representation at Site II was given to Western GEEIA, with the 2868th GEEIA Sq designated by Western as the action agency.[107]

The BMEWS Project Office expedited the submission of Test Specifications by RCA for the equipment at Site II, and scheduled a series of conferences with RCA engineers to discuss these specifications, in light of approval or disapproval. RADC and GEEIA have been asked to participate in these conferences. These steps were expected to assure Air Force approved test specifications for equipments prior to the time the tests were scheduled at Site II.

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Criticomm: Station survey reports and proposals for all Criticomm locations were received from the contractor and were reviewed by GEEIA and USAFSS.[108] Numerous minor changes to these proposals were accomplished to meet requirements and desires of the operating command. Floor loading reinforcements were determined to be required at three locations. Site concurrence agreements were accomplished at European and Alaskan locations. GEEIA Regions for these areas were briefed on their responsibility in carrying on the program. Meetings were held with the contractor, NSA, USAF, and Hq USAF (AFOAC) representation attending to finalize detailed engineering requirements in connection with "By-Pass Equipment" and "Open Line and No Transition Alarms" provisions. Engineering requirements for the Open Line and No Transition Alarms were set forth in more detail for the contractor. Viewing and demonstrating Prototype By-Pass Switching Facility was conducted by Army, Bendix, and North Electric at Arlington Hall, Virginia. Contractors installation schedules implementing completion date of 30 June 1961, were submitted and found generally acceptable. Coordination with J-6 committee was maintained throughout to fulfill DOD requirements that equipment for all three services would be the same and completion would be effected by 30 June 1961.

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Base Support Communications Systems: There were approximately seventy (70) CEIP's in an active status as of 31 December 1960. The area of responsibility fell within three major areas: (1) All elements of Government and commercial administrative telephone systems, (2) Commercial Telautograph facilities, and (3) Closed circuit television.[109]

The approved FY61 Buy Program indicated equipment for 10,840 telephone lines to be procured for $1.7 million dollars. This approval was to satisfy 24 Air Force bases' inside plant base telephone requirements. In addition, four emergency requirements were satisfied from existing Air Force assets. Commercial Telautograph requirements were satisfied from two existing call contracts with GEEIA's only responsibility in the implementation of these facilities limited to technical assistance to the command in determining requirements and preparing work statement for contract negotiation.

As a result of Hq USAF direction that closed circuit television equipment be centrally procured, the responsibility for implementation of closed circuit television systems was delegated to GEEIA. The engineering for two systems (Air University and Pentagon) was completed and work statements were under preparation. Contracts for

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procurement and installation were soon to be negotiated. Action was also initiated to provide three systems for Air Training Command.

Airport Surface Detection Equipment (ASDE): Development of Installations Standards for the ASDE-2 equipment were begun during this period. Six ASDE-2 Systems are being procured by USAF in lieu of the AN/FPN-31 ASDE equipment for which the original contract was negotiated.[110]

AN/FPN-34 Area Surveillance Radar (ASR): Drawings were completed for the AB-252A Tower installation of ten AN/FPN-34 ASR's to be procured in FY-61. An engineering release on the FPN-34 was prepared and distributed to the field. This engineering release was later designated T.O. 31P4-FPN34-10.

AACS "Four Wheels" Modification: Urgent requirements were placed on AACS by Hq USAF to modify six (6) AN/MRR-5/MRT-6 "Four Wheels" vans to include HF-SSB capability. Hq GEEIA engineers were called in to work out with AACS, RADC, and ROAMA a readily available line of equipment which could be installed by 31 December 1960.[111] Accordingly, Hq GEEIA prepared a statement of work and ROAMA negotiated a contract with ALPHA

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Corporation for modification of the six (6) "Four Wheels" vans and installation of KWT-6/5 transceivers, 2.5 KW (PEP) amplifiers, "Telesignal" limited-band multiplex, teletype and on-line encryption equipment.

Instrument Landing Systems (ILS): Our design for a small Navigational Aids Building, designated Type "00" was completed and forwarded to Air Force for preparation of an AW (Air Force working drawing) type construction drawing. This building will currently be used to house the Model 492 A or B ILS Marker Beacon facilities and future use was anticipated for other Navigational Aids.

GEEIA engineers developed Engineering Installation Standards for the new Air Force ILS Marker Beacon Model 492-B.

Underground vaults were designed, to house either the AN/MRN-7 ( ) or AN/MRN-8 ( ) ILS equipment and the associated standby power generator and automatic power transfer switch. These vaults were to be used only where the specific base mission will not permit the normal above ground installations.

Hq GEEIA, in conjunction with the Central GEEIA Region and AACS flight-check personnel, developed the flight-check procedures for the ILS Glide Slope OA-1816 ("B" type) and OA-1817 ("M" type) Antenna Systems.[112]

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PAC AACS Configuration: Approval was received from Hq USAF on 20 December 1960 to proceed with CEIP pre-engineering using AN/GRC-86 Radio Sets with remote control features. Prototype GRC-86 (XW-1) components were being tested in various PACAACS configurations at five (5) locations under the aegis of RADC. Two Hq GEEIA engineers assisted Pacific GEEIA Region in planning these installations using MX-854 rotatable beam antennas at four (4) locations.[113] At the fifth location (Clark), a separate transmitter and receiver locations are being used and the GRC-86 (XW-1) components were compared with similar equipment of older design. Upon completion of the Service Tests, these equipments will be assigned to the PACAF/PACAACS Net for permanent installation. Remote control requirements were specificed by Pacific GEEIA and coordination with RADC was maintained in parallel with the SAC and ICBM control requirements.

COPAN: Implementation of USAF Communications Plan, Short Title ("COPAN"), at Scott Air Force Base, was directly contingent upon completion of the cable expansion program in Scheme 30-Q1-TR57-4CO2J-B-0071-357A9-D. This cable expansion program was designed to relieve the cable congestion in Area

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"A" and in turn provided the cable pairs for implementation of "COPAN". In addition to the cable expansion provided in Scheme 357A9-D, Scheme 21-Q1-TR57-4CO2J-B-0011-069AO-D, provided for additional cables to service Area "2" at Scott Air Force Base. Headquarters MATS was scheduled to move the 1405th Air Base Wing into a building in Area "2" which was in the process of renovation. These additional cable pairs were required to provide the necessary communications between Hq MATS and the Air Base Wing.[114]

JCS Single Sideband Capabilities: In August 1960, GEEIA was directed by Hq USAF to prepare a work statement to provide the Pentagon (JCS) with a SSB capability to have immediate entry into existing SSB nets both Point-to-Point and Air/Ground via Air Force, Army and Navy systems.[115] The installation was to be made in the Pentagon Command Post with antennas located on the roof.

The "Command Post" directive resulted in a preliminary work statment prepared by this Headquarters. The preliminary work statement was forwarded to USAF 23 August 1960, and at the same time all futher action was delegated to the Eastern

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GEEIA Region. The preliminary work statement was approved by USAF; however, they asked Hq GEEIA to send a representative to a meeting to finalize the plan. The finalized plan was sent to Eastern GEEIA who in turn prepared a work statement and hand-carried it to the Pentagon for approval. It was tentatively approved by USAF pending a meeting with AACS.

A meeting at the Pentagon with members of USAF, 2045th AACS, Hq AACS, Hq GEEIA and Eastern GEEIA on 27 Sep 60, resulted in holding the work statement in abeyance until an alternate plan suggested by AACS be investigated. The plan called for remoting the operation to Andrews AIRCOM Station.

The alternate plan above had been disapproved and a revised operation plan was received this Headquarters on 25 January 1961. Eastern GEEIA had been directed to revise their original plan to satisfy the new operations plan and to handcarry it via Hq GEEIA for review and on to Hq USAF for final approval. [116]

Turkey Tropo: On 7 June 1960, a message was sent from Hq GEEIA to European GEEIA which outlined their responsibilities concerning the Turkey Tropospheric Scatter System. Upon receipt of the message and assumption of the responsibilities outlined, Col Hope, European GEEIA Region Commander, assigned

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a project engineer.[117] The project engineer called a conference with the using and operating agencies to determine the operational plan. Unfortunately, very limited information was available at that time. Only a few people in the area knew that the Air Force had let a contract to the Page Communications Engineers, Incorporated. The PCE contract called for immediate installation of equipment at Daramursek, Ankara, Samsun, and Sinop to become operational 1 August 1961. Izmir, Trabzon, Adana, and Diyarbakir sites were to be operational by 30 June 1961.

Representatives from Hq GEEIA met with Page to discuss the Turkey tropo installation. Page presented their views on the installation which, in general, were in agreement with GEEIA. It was decided that the requirement for a 12 voice channel system with a 99% reliability could not be met using the equipment specificed by the Office of the Deputy Chief of Staff of Operations, Hq USAF. Certain equipment improvement factors seemed necessary; such as, the incorporation of parametric amplifiers, 60-ft antennas, compandors, etc. None of the above equipments were available and the procurement time for these components was estimated to be from three to six months.

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Technical Support of Air Force/Navy Collocation Agreement:

The Air Force often had requirements to install communications-electronics equipment on Navy Property. This continued requirement for the coordinated use of facilities for the collocation of communications and electronics equipment created a need for inter-service agreement in regard to mutual use of facilities. There have been instances in the past of commands making local agreements to collocate communications-electronics equipment which were in conflict with future planning for the facility. As a result of these local agreements, operations were adversely affected. A similar situation existed or will exist at facilities of other Services or Agencies if the installation of communications-electronics equipment has not been centrally planned and programmed.

GEEIA as responsible for the installation-engineering for the Air Force was designated to provide technical coordination with the Navy in the matter of collocation.[118]

Air Weather Service Program: Concerted efforts by GEEIA to provide a "get well" for this program by 1 Jay 61, although not fully realized, saw sizeable gains made toward this goal.[119] Identification of deficient areas and initiation of corrective

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actions in conjunction with applicable Air Force agencies was the outstanding accomplishment. However, GEEIA's efforts were hampered due to Ballistic Missile requirements in the AN/TMQ-11 and GMQ-11 areas, with assets diverted to this higher priority requirement. As the effects of Ballistic Missile requirements were felt, Headquarters USAF and the AWS were advised of the impact this program will have on the AWS program. Approximately 65 per cent of GEEIA's goal to "get well" by 1 Jan 61 was achieved. It was anticipated 90 per cent achievement will be realized by the end of 61. The AWS program for Europe was hampered by additional minor items required which had not been included in the original schemes. Some 108 schemes, which covered approximately 1600 minor items, created this situation. Crash actions to ship in December and January were taken with completion forecasted for the latter part of January. Through this effort, European GEEIA assured completion of all outstanding Meteorological schemes by the end of FY-361.[120]

RAPCON Program: Considerable effort was expended in an attempt to meet the operational dates for these facilities, but GEEIA was

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only partially successful in this effort.[121] Of the eleven SAC dispersal sites, three were completed and one completed except for allied support requirements. Hq SAC was informed, of delaying factors and where necessary, asked to reprogram for the remaining installations. The RAPCON remoting installation for the MPN-11/FPS-20 at Andersen AFB was delayed indefinitely due to diversion of assets to the higher priority installation at Patrick AFB. Expedited action was taken to reaffirm an asset position in order to provide a new operational date. The Patrick AFB remoting installation was scheduled for FY-261. Reprogramming to FY-361 was requested based on the latest shipping information for the material.

TVOR Program: 155 installations were programmed with 139 installed and operating. Of the remaining 16 installations, six were on schedule and 10 slipped for the following reasons: seven due to lack of materials and one held-in-abeyance pending firm requirements. The applicable commands were notified upon receipt of this information and support was solicited.

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The bases which lacked material were satisfied and the one held-in-abeyance was deleted by the command concerned (SAC).

Travis GXH-4 Recorder: An urgent requirement existed for the installation of eight (8) AN/GXH-4 Recorders at Travis AFB to satisfy Scheme 10-Q1-WB74-1FO28-A-5354-005AO1-G. On 15 December 1960, the US Weather Bureau converted the Weather Facsimile broadcasts from 60 to 120 scans per minute. Hq GEEIA was appraised of the urgency of completion of this installation and arranged airlift of the AN/GXH-4 Recorders to Travis AFB.[122] Western GEEIA Region was contacted and immediately took action to complete the pre-engineering phases to install the equipment on arrival. AACS requested the required telephone lines between Travis AFB and McClellan AFB from Pacific Telephone and Telegraph Company to be available on that date. Due to an expensive rehabilitation program in that area, Pacific Telephone and Telegraph Company was forced to delay the availability date of the cable pairs until 15 Mar 61. AACS presented their problem to American Telephone and Telegraph Company and were given assurance the

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required cable pairs would be available on or before 1 February 1961.

IFF-SIF: In response to an ADC request for IFF/SIF interference reduction (defruiting), a study was made of the equipment available. The GPA-95 and GPX-27 Defruiting Equipments, under development by RADC, have been examined and arrangements made for a field installation of the GPX-27 after RADC testing. ADC was advised that Headquarters GEEIA will recommend appropriate ACERP action as soon as sufficient data is obtained.[123]

To allow separate (and later) programming of the AT-914 omni-directional IFF side lobe suppression (SLS) antenna, SFEL package FC-3-49, for the duplexed AN/UPX-14 was revised by the deletion of the AT-914/UPX-14. The AT-914 now appears as SFEL FC-3-63. ESC, ADC and Hq USAF, were advised by Hq GEEIA that delays in the aircraft modifications needed for SLS allowed more time for AT-914 implementation; and, consequently provide significant advantages in dollar savings and engineering improvements.

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GEEIA Standard 31P-10-1 "Selective Identification Feature of the Mark X Identification Friend or Foe System" was published 16 October 1960 and disseminated to all GEEIA Regions. This T.O. updates and improves the former ROZMAD Exhibit 38.

GEEIA Standard 31P4-2UPX14-10 was prepared from advanced engineering information obtained from RADC and the manufacturer. It was published in October 1960 and disseminated to all GEEIA Regions to assist them in scheme action to support the UPX-14 Program (CEIP 2A12A2).

Action was completed by GEEIA to prevent further planning for the AM-2722 Beacon Video distribution amplifier proposed for all radar sites by ESC, AFCCDD and Hallicrafters. Existing standards did not authorize this equipment.[124]

The automatic procurement of SIF Kits as GFE to the FD radar contractors had caused much needless SIF procurement. Several efforts have been made to prevent this type of action on future FD radars; but the efforts have not been able to stop GFE procurements; even though the PCSP clearly showed that sufficient SIF had already been programmed separately for all FD radars.

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Common system characteristics for Joint Canadian, United Kingdom and U.S. Services beacon equipments have been established by JCS. GEEIA made significant contributions to the common system specifications in the form of written recommendations at JCS Meetings. These were agreed to by all users and incorporated in the "Common Military Characteristics" (JANAP 160).

Recommendations were made to RADC concerning the mechanical engineering of the AN/UXX-14, High powered IFF Interrogator Responsor, to provide for its efficient implementation into existing GEEIA standards. At meetings with RADC and the contractor, arrangements had been made to supply certain interconnecting cables, extra video outputs and provisions for vertical stacking of the duplexed equipment in order to alleviate installation engineering problems.

AN/GRQ-6 Microwave System: A 22 station "Turnkey" type contract for the AN/GRQ-6 Radar Data Transfer System was awarded just prior to the start of FY-61. This contract provided remoting of radar data via microwave from the different types of radars to the Air Traffic Control (ATC) Operation Center.

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The contract was proceeding very closely to schedule during the period that the high priority location site surveys were being accomplished. Hq GEEIA engineering personnel participated in the site surveys at Mather, Columbus, Carswell and Selfridge AFB's and Lajes Field, Azores, where siting criteria and GEEIA's responsibilities in this phase were turned over to the various Regions for completion.[125] As the end of the site survey phase approached, technical problems in the manufacture began to appear which resulted in equipment availability delays. The technical problems involved were of such a nature that Hq GEEIA engineering personnel were requested by other activities to furnish assistance in their solution. This required many trips to the field and the manufacturer's plant to resolve these technical problems.

Part of the equipment for the first three systems had been shipped; however, the remainder was delayed by other technical problems which continued to manifest themselves in various phases not related to GEEIA.

It was anticipated that the various delaying factors will result in at least six months delay in the completion of the three initial installations and preparation of Engineering Standards.

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FOOTNOTES

CHAPTER FIVE

1. ROAMA/GEEIA Support Plan for ADC Plan X - Removal of C-E Facilities. Attached Appendix E.
2. "See note above".
3. GEEIA Regulation 85-1, 8 Aug 60. Attached Appendix E.
4. ROAMA/GEEIA Support Plan for ADC Plan X - Removal of C-E Facilities. Attached Appendix E.
5. Extracted from GEEIA Systems Management Office Semi-Annual Historical Report, 1 Jul - 31 Dec 60. On file Hq GEEIA.
6. "See note above".
7. "See note above".
8. Extracted from Directorate of Installations Semi-Annual Historical Report, 1 Jul - 31 Dec 60. On file Hq GEEIA.
9. Extracted from Directorate of Engineering Semi-Annual Historical Report, 1 Jul - 31 Dec 60. On file Hq GEEIA.
10. "See note above".
11. Extracted from GEEIA Systems Management Office Semi-Annual Historical Report, 1 Jul - 31 Dec 60. On file Hq GEEIA.
12. "See note above".
13. "See note above".
14. Extracted from Directorate of Engineering Semi-Annual Historical Report, 1 Jul - 31 Dec 60. On file Hq GEEIA.
15. "See note above".

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16. "See note above".

17. "See note above".

18. "See note above".

19. "See note above".

20. "See note above".

21. "See note above".

22. Revised GEEIA Form 40. Attached Appendix E.

23. GEEIA Form 3. Attached Appendix E.

24. Extracted from Directorate of Engineering Semi-Annual Historical Report, 1 Jul - 31 Dec 60. On file Hq GEEIA.

25. "See note above".

26. "See note above".

27. "See note above".

28. "See note above".

29. "See note above".

30. Extracted from GEEIA Systems Management Office Semi-Annual Historical Report, 1 Jul - 31 Dec 60. On file Hq GEEIA.

31. "See note above".

32. "See note above".

33. "See note above".

34. "See note above".

35. "See note above".

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36. "See note above".

37. "See note above".

38. Extracted from Directorate of Engineering Semi-Annual Historical Report, 1 Jul - 31 Dec 60. On file Hq GEEIA.

39. "See note above".

40. "See note above".

41. "See note above".

42. "See note above".

43. "See note above".

44. GEEIA ltr, 1 Sep 60, Subj: GEEIA Participation-465L System. Attached Appendix E.

45. Extracted from Directorate of Engineering Semi-Annual Historical Report, 1 Jul - 31 Dec 60. On file Hq GEEIA.

46. "See note above".

47. Presentation at 1960 GEEIA Commanders' Conference by R. H. Beers, Subj: Quick-Fix Phase AirCom Modernization Program. Attached Appendix E.

48. "See note above".

49. "See note above".

50. "See note above".

51. Extracted from Directorate of Engineering Semi-Annual Historical Report, 1 Jul - 31 Dec 60. On file Hq GEEIA.

52. "See note above".

53. "See note above".

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54. "See note above".

55. "See note above".

56. "See note above".

57. "See note above".

58. "See note above".

59. "See note above".

60. "See note above".

61. "See note above".

62. "See note above".

63. "See note above".

64. Extracted from Directorate of Installation Semi-Annual Historical Report, 1 Jul - 31 Dec 60. On file Hq GEEIA.

65. Extracted from Directorate of Engineering Semi-Annual Historical Report, 1 Jul - 31 Dec 60. On file Hq GEEIA.

66. "See note above".

67. "See note above".

68. "See note above".

69. Extracted from Directorate of Installation Semi-Annual Historical Report, 1 Jul - 31 Dec 60. On file Hq GEEIA.

70. Extracted from Directorate of Engineering Semi-Annual Historical Report, 1 Jul - 31 Dec 60. On file Hq GEEIA.

71. "See note above".

72. "See note above".

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73. "See note above".

74. "See note above".

75. "See note above".

76. Volume I Major History GEEIA, 1 Jan - 30 Jun 60. On file Air University, Hq AFLC and Hq GEEIA.

77. Extracted from Directorate of Engineering Semi-Annual Historical Report, 1 Jul - 31 Dec 60. On file Hq GEEIA.

78. "See note above".

79. "See note above".

80. "See note above".

81. A topic of discussion at GEEIA Commanders' Conference which this Historian attended.

82. Extracted from Directorate of Engineering Semi-Annual Historical Report, 1 Jul - 31 Dec 60. On file Hq GEEIA.

83. "See note above".

84. "See note above".

85. "See note above".

86. "See note above".

87. Extracted from Directorate of Plans and Programs Semi-Annual Historical Report, 1 Jul - 31 Dec 60. On file Hq GEEIA.

88. "See note above".

89. Extracted from Directorate of Engineering Semi-Annual Historical Report, 1 Jul - 31 Dec 60. On file Hq GEEIA.

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90. "See note above".

91. "See note above".

92. Extracted from Directorate of Plans and Programs Semi-Annual Historical Report, 1 Jul - 31 Dec 60. On file Hq GEEIA.

93. "See note above".

94. "See note above".

95. "See note above".

96. "See note above".

97. "See note above".

98. "See note above".

99. GEEIA ltr, 6 Oct 60, Subj: Change (B) to ROAMA Regulation 70-1, Procurement: "ICBM Inter-Site Communications. Attached Appendix E.

100. "See note above".

101. Extracted from Directorate of Installation Semi-Annual Historical Report, 1 Jul - 31 Dec 60. On file Hq GEEIA.

102. Extracted from Directorate of Engineering Semi-Annual Historical Report, 1 Jul - 31 Dec 60. On file Hq GEEIA.

103. Eastern GEEIA Region Semi-Annual Historical Report, 1 Jul-31 Dec 60. Attached Volume II this History.

104. Extracted from Directorate of Engineering Semi-Annual Historical Report, 1 Jul - 31 Dec 60. On file Hq GEEIA.

105. Extracted from Directorate of Plans and Programs Semi-Annual Historical Report, 1 Jul - 31 Dec 60. On file Hq GEEIA.

106. Extracted from Directorate of Engineering Semi-Annual Historical Report, 1 Jul - 31 Dec 60. On file Hq GEEIA.

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107. Extracted from Western GEEIA Region Semi-Annual Historical Report, 1 Jul - 31 Dec 60. Attached Volume II this History.

108. Extracted from Directorate of Engineering Semi-Annual Historical Report, 1 Jul - 31 Dec 60. On file Hq GEEIA.

109. Extracted from Directorate of Plans and Programs Semi-Annual Historical Report, 1 Jul - 31 Dec 60. On file Hq GEEIA.

110. Extracted from Directorate of Engineering Semi-Annual Historical Report, 1 Jul - 31 Dec 60. On file Hq GEEIA.

111. "See note above".

112. "See note above".

113. "See note above".

114. Extracted from Directorate of Installation Semi-Annual Historical Report, 1 Jul - 31 Dec 60. On file Hq GEEIA.

115. Extracted from Directorate of Engineering Semi-Annual Historical Report, 1 Jul - 31 Dec 60. On file Hq GEEIA.

116. Extracted from Eastern GEEIA Region Semi-Annual Historical Report, 1 Jul - 31 Dec 60. Attached Volume II this History.

117. Extracted from European GEEIA Region Semi-Annual Historical Report, 1 Jul - 31 Dec 60. Attached Volume II this History.

118. Extracted from Directorate of Engineering Semi-Annual Historical Report, 1 Jul - 31 Dec 60. On file Hq GEEIA.

119. Extracted from Directorate of Installation Semi-Annual Historical Report, 1 Jul - 31 Dec 60. On file Hq GEEIA.

120. "See note above".

121. "See note above".

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122. Extracted from Directorate of Engineering Semi-Annual Historical Report, 1 Jul - 31 Dec 60. On file Hq GEEIA.

123. "See note above".

124. "See note above".

125. "See note above".

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SUMMARY: OBJECTIVES AND ACCOMPLISHMENTS

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SUMMARY: OBJECTIVES AND ACCOMPLISHMENTS

The following GEEIA objectives were those areas of the total mission which were considered of primary importance and which were scrutinized constantly to make certain progress toward these goals was being made.

The time-phasing (noted in charts Appendix F) of progressive achievements was not intended to indicate a relative position at a particular point in time, but rather to portray a starting point of a new program to review what had been accomplished, and to effect additional improvements which could be made.

It was emphasized that most of the GEEIA objectives were pointed toward improvement. Measurement of progress would be computed from rate of accomplishment in specific projects or tasks which were to be established to achieve these goals. Further, in view of the inter-relationships involved, a standard rate of planned progress was used so that those which might not be in phase would become apparent at an early date.[1]

Each goal was assigned an order of importance symbol (A-B-C-) relative to the overall mission accomplishment.

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Some of the more important objectives were: [2]

1. REFINE PERSONNEL POLICIES AND PROCEDURES.

These achieved goals were 100% manning GEEIA-wide with concurrent progressive career development, rotation and retention of professionally competent military and civilian personnel within the GEEIA organization.

2. IMPROVE MANPOWER TECHNIQUES AND PROCEDURES.

GEEIA continued to develop improved methods whereby manpower requirements could be related to shifting and constantly changing workloads within the GEEIA world-wide organization and substantiate the level of skills and grades required to perform its highly technical mission.

3. PROVIDE HIGH QUALITY SYSTEMS ENGINEERING.

This was essential to insure compatibility between related ground electronics systems and facilities in GEEIA support to high priority ground C-E programs and numbered (L) electronics systems.

4. PROVIDE IMPROVED FACILITIES, EQUIPMENT AND WORKING CONDITIONS FOR ALL GEEIA COMMAND ELEMENTS.

In view of GEEIA's world-wide "tenant" status, goals could be achieved only through close co-ordination with host bases and commands. Improvements

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were necessary in office space and facilities to create a more productive working environment for GEEIA personnel. This objectives scope also included constant scrutiny of UAL equipment at each level of command and installation tools for squadron personnel.

5. IN CONJUNCTION WITH "USING" COMMANDS AND AGENCIES, INSURE THAT GROUND C-E REQUIREMENTS EXPRESSED IN CEIP'S PROVIDE MAXIMUM PERFORMANCE AT MINIMUM COST TO THE USAF. This would be accomplished through technical advice and assistance provided by GEEIA in assisting using commands to prepare C-E equipment and facility requirements contained in CEIP's. This type of advice and assistance would ensure a more direct means of supporting the goal expressed by the Vice Chief of Staff in his letter of 19 Apr 60, Subject: Economy in Development, Procurement and Operation of Air Force Equipment. An objective evaluation of requirements at the time of preparation would preclude expressing "luxury" items and result in more austere communications systems without degrading operational capability to an appreciable degree.

6. IDENTIFY, MONITOR AND DISSEMINATE STATUS OF ALL PROGRAM ELEMENTS REQUIRED TO PROVIDE GROUND

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C-E FACILITIES IN ACCORDANCE WITH REQUIRED OPERATIONAL DATES. In order to accomplish its mission successfully and efficiently GEEIA had to be aware of all major segments of the various programs involved. Further, GEEIA had to have up-to-date status information in order to keep its major "customers" and higher headquarters informed. The MCP Program, the Equipment Buy Program, available assets and funds were of particular concern.

7. ASSIST USAF PLANNING AND PROGRAMMING COMMANDS OR AGENCIES IN PREPARING CEIP'S WHICH WERE ACCURATE, VALID AND CONTAINED REALISTIC OPERATIONAL DATES. GEEIA Regions, ROAMA/GEEIA Field Offices and Hq GEEIA all participated, in either assisting using commands to prepare CEIP's, or in reviewing CEIP's from the standpoint of validity and feasibility. By insuring their completeness, particularly the time phasing of operational dates in relation to required lead times for procurement and other actions, planned, orderly, E-I and funding support could be assured without the necessity for constant changes, crash efforts and waste motions.

8. IMPROVE LIAISON ON C-E MATTERS OF MUTUAL CONCERN BETWEEN GEEIA, ROAMA, ARDC, ESC, AFRCE's AND INDUSTRY.

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In view of the multiplicity of USAF agencies involved in designing, developing and supporting ground C-E programs and systems, and the effect that actions taken by one, had upon the others, it was imperative that GEEIA maintain an awareness of what these other USAF agencies were accomplishing and what their plans were. A means to keep GEEIA informed of their activities and to advise them of GEEIA plans and accomplishments was of prime importance.

9. INSURE ADEQUATE, TIMELY GEEIA COMMAND AND PROCEDURAL GUIDANCE FOR GEEIA OPERATIONS, WORLD-WIDE. The success of any organization depends upon the adequacy and timeliness of its policy and procedural guidance. As a relatively new USAF organization, this area was of particular importance to GEEIA since it had to develop its concepts, policies and operating procedures without the benefit of previous experience or precedent.

10. INSURE MAXIMUM UTILIZATION OF GEEIA ORGANIC RESOURCES. Successful achievement of this objective directly supported the USAF Chief of Staff's expressed desire to utilize AF organic capabilities to the utmost and to reduce dependency upon contractor support. In addition to the benefits that accrue from

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efficient utilization of GEEIA resources, the fact that the USAF possesses a capability such as GEEIA offered, caused industry to submit more reasonable bids for services and in certain instances to revise estimates downward.

11. INSURE EFFICIENT, EFFECTIVE ADMINISTRATION, TRAINING AND UTILIZATION OF AIR NATIONAL GUARD GEEIA SQUADRONS. This involved policy and procedural guidance, year round training programs and summer encampments. The goal was to apply ANG GEEIA resources to the fullest possible extent in providing E-I support to current USAF ground C-E requirements including actual installation of schemes and projects.

12. INSURE EFFECTIVE, RESPONSIVE HIGH-QUALITY GEEIA SUPPORT FOR ALL GROUND C-E INSTALLATION-ENGINEERING AND INSTALLATION REQUIREMENTS OF THE USAF. This was, in essence, the primary objective of GEEIA and it required successful attainment of portions of each of the other GEEIA objectives. In simple terms it required that GEEIA conduct its operations to insure provision of ground C-E facilities in the locations and environment where needed according to required operational dates established by major commands and other USAF

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agencies. In scope it was tremendous, since the mission was world-wide in nature, constantly changing, and involved supporting major USAF programs such as ICBM, AFMTC requirements and those included in numbered (L) Electronic Systems. In addition to meeting the scheduled operational dates, a high standard of professional workmanship and quality had to be assured.

These,then, were some of the objectives which GEEIA set for itself. It was indicative of a comprehensive, professional understanding of the encompassing responsibilities invested in it by USAF and the Department of Defense. It is perhaps even more indicative of GEEIA's professional approach and mission cognizance to review some of the major accomplishments which took place during this period.[3]

Refinement of Standard Facility Equipment Lists (SFEL'S): SFEL's, the standardized packages of Major and/or minor items required to provide C-E "Building Blocks" , were grouped together as C-E Schemes. This provided complete C-E facilities which functioned as an operating capability or as part of an overall system. Prior to GEEIA, the elements of centralized control and

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standardization were lacking. Recognizing the inherent value of these basic management tools, GEEIA initiated a program of refinement through maximum standardization. This reduced to an appreciable degree, the number of line items, and major and minor hardware required to provide C-E facilities which were GEEIA engineered-installed and ROAMA procured.

Systems Engineering. C-E facilities generally could be satisfied in many different ways. In the past, individual engineers scattered throughout many USAF commands or agencies developed solutions to problem areas in a variety of ways. While these solutions solved the individual problem involved or met a particular requirement, compatibility problems were created when it became necessary to "marry" one C-E facility or system to another. Centralized systems engineering of GEEIA provided both standards and criteria which resulted in more uniform C-E facilities and which reduced the incompatibility factor. Systems engineering also contributed effectively toward the GEEIA program to improve and refine SFEL's.

Utilization of ANG Units. By specially tailoring the training program for ANG units, GEEIA was able to utilize these organizations for actual installation of programmed fixed ground C-E facilities. Not only did this plan permit ANG training on the latest equipment, but also

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the USAF was able to realize some 33,000 manhours of installation assistance during CY 1960 at a nominal estimated cost of $25,000--or 75¢ per hour. The CY 1961 training program provided for 40,000 manhours of ANG installation capability with a 25% increase planned for CY 1962. Estimated savings to the USAF for FY 1961 and 1962 amounted to $250,000 and $310,000 respectively. These figures were based on conservative estimate of $7 per manhour for contractual support vs 75¢ per hour for ANG support. Employment of ANG personnel on ICBM projects was given first priority with next consideration being given to highly essential operational requirements such as Navaids in support of the B-52 program.

Development of Management Data. At any one time, GEEIA had from 10,000 to 12,000 communications facilities (schemes) in some stage of engineering, supply or installation. The ROAMA/GEEIA H-1 Report, which utilized advanced data processing techniques and procedures, met only part of total management needs for both ROAMA and GEEIA. In conjunction with ROAMA, GEEIA was developing an integrated reporting and managment system (CEPNS) which would provide a means of correlating all related elements of ground C-E programs and monitoring their status. This lack of integrated

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and complete information in the past had represented one of the major "roadblocks" to effective management of ground C-E programs.

Engineering and Installation Standards. This current GEEIA program enabled more realistic equipment selection and siting together with higher quality installations. This reduced previously wasted efforts due to re-siting, relocations, after-the-fact "fixes" and in severe cases, re-installation. Such sound E-I standards provided high quality ground C-E facilities sooner and at less cost to the USAF. Of even more importance, was the aspect of meeting operational requirements with the initial installation of facilities.

GEEIA Training Program. GEEIA has expanded its CY 1961 training program considerably to meet a recognized need for progressive career development of assigned installer personnel. Many of the airmen assigned to GEEIA, while qualified as maintenance technicians, did not have the background or experience required to install special and new ground C-E equipment. Through Air Training Command, many GEEIA airmen were trained on new equipment. To further increase installation capability, not covered in standard AFSC maintenance courses, ATC established at GEEIA's request, three advanced installers' courses for: (1) Inside Plant, (2) Outside

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Plant, (3) Cable Splicers. These courses were specifically designed for GEEIA personnel.

CESAC. Since assuming responsibility for the CESAC operation in October 1960, policies, procedures and techniques used in performing assigned functions were reviewed, analyzed and improved. Specific improvements included utilization of quick reaction techniques to obtain minor items causing work stoppages for initial installation of C-E schemes. This was realized by utilization of blanket purchase authorities through the ROAMA Directorate of Procurement with local manufacturers. Procedures were changed whereby accountability for materiel was transferred to the major command by the GEEIA Region at the same the AFTO 88 (Installation Inspection Certificate) was accomplished. This permitted rapid in use asset data which was necessary for the Inventory Manager in determination of requirements. Another major planned improvement was in the area of procedures used to compute the buy program for minor item support to C-E schemes.

Program Reviews. Periodically, a ROAMA/GEEIA team visited GEEIA's major customers and conducted a complete review of the command or agency ground C-E program. These reviews encompassed programmed equipment in the "buy" program, status of schemes, the

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MCP program and P437 fund availability for E-I support. Operating dates were reviewed in the light of all known factors or elements and adjusted in many instances to more realistic, feasible time periods. Also, as a result of these reviews, many requirements were eliminated from the USAF C-E Support Program (PCSP) document which listed world-wide ground C-E requirements. During the course of the program reviews it was disclosed that many facilities appeared in the PCSP either had been installed or satisfied, or they actually no longer were required. While not measurable perhaps, it was obvious that many thousands of dollars were saved by eliminating wasted effort to procure facilities or equipment no longer needed and through applying available resources to valid requirements. This approach to improved management resulted in the deletion of some 4,000 C-E schemes since the program was initiated in March 1959.

ICBM Support. GEEIA conceived a project to provide interim communications at ICBM sites when it became obvious that the contractor would not meet the I-C start date. This program was developed through cooperation of Tactical Air Command and utilized existing USAF mobile communications equipment and

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TAC military personnel. The initial operation under this concept was to take place at Francis E. Warren AFB, commencing 5 Jan 61, for a 60 to 90 day period. Savings to the USAF based on estimated cost to provide this service through commerical sources, was seen in the minimum amount of $150,000 per site where utilized. This program had the dual benefits of economy and invaluable training for USAF personnel in addition to meeting an urgent USAF operational requirement for communications.

Materiel Improvement Program. The GEEIA program in this area included a continual review of all equipments utilized in accomplishment of the GEEIA mission. An example of accomplishments was the reduction in types of vehicles authorized from 34 to 16. Similar programs were in progress or planned for the balance of FY 61 to standardize and reduce the types of other Ground Support Equipment (GSE) including Equipment Component Lists (ECL's). Along with standardization was the objective of equipment modernization which increased operational effectiveness of GEEIA Squadrons. In order to insure that requirements for new C-E equipment will be supported by GSE on a timely basis, GEEIA attended all provisioning meetings.

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Scheme Dollar Data Card System. Prior to establishment of the SDDC reporting system, GEEIA had no way of determining if the Regions expended funds for supporting the specific programs and facilities upon which Financial Plans and Budget Estimates were based and justified. The SDDC system provided a means whereby GEEIA Regions and Hq GEEIA could determine the specific C-E schemes for which funds were expended, variations from planned expenditures and the reasons therefore. This provided much more stringent control over fund utilization and enabled GEEIA to shift funding support when necessary to meet highest priority needs and unprogrammed emergency requirements.

GEEIA Organizations. Since its inception and original organization, GEEIA reduced the number of Regions in the ZI from eight (8) to three (3) and placed its organizational elements at strategic locations throughout the world. This entailed consolidations and reductions in the number of squadrons and their relocation to insure maximum support to USAF ground C-E requirements at minimum cost commensurate with operational requirements. A typical example was the placing of a squadron at Patrick AFB to furnish a quick reaction capability on a continuing basis to the highly important AFMTC operation.

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GEEIA also initiated a program to standardize GEEIA Regional and Squadron organizatipnal structures to the maximum extent possible. This program was nearing completion.

ROAMA/GEEIA Field Offices. To improve GEEIA's "Customers" service and apply the principle of preventive action vs corrective actions, GEEIA Field Offices were established at AFBMD AMC BMC, SAC, ADC, AACS and USAFSS. The four offices which were manned to date already have precluded many problems which might have developed had GEEIA personnel not been "on board" to insure necessary action. In the C-E area almost all problems or delays are costly in terms of dollar and personnel resources. This same concept has been applied to the CADIN Program through establishment of the GEEIA Systems Management Office (Canada) in Ottawa, and Detachment 1, Pacific GEEIA Region at Wheeler AB, Hawaii, to assist PACAF. Improved, responsive customer support is one of GEEIA's major objectives which only can mean reduced costs and increased efficiency. Perhaps the best example of results is the fact that commands now are aware of the importance of accurate CEIP preparation in expressing their C-E requirements and they have "on-the-spot" assistance to get the job

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done. This has improved overall programming in the commands serviced which permits support in an orderly fashion and prevents expensive "crash" programs caused by oversight or poorly prepared requirements documents. Planning also called for establishment of a Field Office at AMC/ESC to insure maximum support at minimum cost to USAF ground C-E requirements for numbered (L) electronic systems assigned to ESC.

Use Of GEEIA Organic Installation Capability. Through a closely coordinated program of scheduling and deployment of personnel resources, GEEIA increased utilization of GEEIA Installation Squadrons from 55% in March 1959, to an average of 85% for the six month period of July to December 1960. It was expected to achieve a 95% utilization rate by the end of FY 1961 through increased emphasis on this program.

The sum total of these major accomplishments, when coupled with the specific programs and achievements discussed in previous chapters point out the continued progress of a dynamic organization eager and capable of achieving a compatible and integrated ground communications network for the United States Air Force. It was indicative of the spirit of its Commander, Brig Gen Haskell E. Neal and his staff. But perhaps it was most clearly evident when the men in the Squadrons stood with professional pride beside a sign reading "Engineered and Installed by GEEIA".

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FOOTNOTES

CHAPTER SIX

1. GEEIA ltr, 28 Sep 60, Subj: GEEIA Objectives FY61 and FY62. Attached Appendix F.

2. These 12 items are among those listed on ROAMA Form 429 and 429A, prepared by GEEIA under the date of 28 Sep 60. These charts (a total of five) are attached in Appendix F.

3. The majority of these items were contained in a Hq GEEIA letter 29 Dec 60, Subj: Project Money Tree. Attached Appendix F.

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GLOSSARY

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AAC	Alaskan Air Command
AACS	Airways & Air Communications Service
ACERP	Advanced Communications-Electronics Requirement Plan
ACO	Air Force Contracting Officer
ACW	Aircraft Control and Warning
ADC	Air Defense Command
ADSID	Air Defense Systems Integration Division
AEW	Aircraft Early Warning
AFCIN	Air Force Central Intelligence
AFCRC	Air Force Cambridge Research Center
AFIR's	Air Force Installation Representatives
AFM	Air Force Manual
AFMTC	Air Force Missile Test Center
AFOCE	Hq USAF Office Telecommunications
AFOCE	Air Force Office of Civil Engineering at Hq USAF
AFR	Air Force Regulation
AFR 20-17	Ground Electronics Engineering Installation Agency
AFSC	Air Force Speciality Code
AIRCOM	World-wide Air Force Communications Net (480L)

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ALRI	Airborne Longe Range Input-supplemental airborne input for AEW in the Sage System
ALSADS	Alaskan Air Defense Sector
AMA's	Air Materiel Areas
AMC	Air Materiel Command
AMFEA	Air Materiel Forces European Area
AMFPA	Air Materiel Forces Pacific Area
ANG	Air National Guard
ARDC	Air Research & Development Command
ATC	Air Training Command
ATLAS	An Intercontinental Ballistic Mssile
AT&T	American Telephone and Telegraph Corp
ATTRITION	Commonly, attrition rate, usually expressed as a percentage, reflecting the loss of personnel or equipment due to defined causes in a given period of time.
AWS	Air Weather Services
BAC	Boeing Airplane Company
Ballistic Missile Division	That part of ARDC which is concerned with the research and development of Ballistic Missiles
Blankers	Devices used to reduce the radiation hazard of closely located C-E systems.
BMEWS	Ballistic Missile Early Warning System-a series of long range radar under contract to RCA

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BOD	Beneficial Occupancy Date
BOMARC	A guided missile built by Boeing
CADIN	Continental Air Defense Integration North
Cape Canaveral	The location of the Missile Test Center on the east coast of Florida
CCDD	ARDC's Command Control Development Division at Hanscom Field
CEIP	Communications Electronic Implementation Plan
CEIPA	Communications Electronic Implementation Plan Amendment
C-E Schemes	Communication Electronic Schemes
CESAC	Communication Electronics Schemes Accounting Control
COMLOGNET	Communications Logistic Network
CONAC	Continental Air Command
CONUS	Continental United States
CSA	Communication Service Authorization
CTS Program	Contract Technical Services
DEWS	Distant Early Warning System
DOD	Department of Defense

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ECCM	Electronic Counter Counter Measure
ECL	Equipment Component Lists
ESC	Electronic Systems Center -- Established by AMC under Maj Gen C. H. Mitchell at L. G. Hanscom Field, Mass. to coordinate all the electronics systems.
ESSPO	Electronics System Support Project Office. A project Office established to handle a specific project-such as 412L.
EWP	Electronics Warfare Program
FAA	Federal Aviation Agency
FDDL	Frequency Division Data Link
Field Office	A coordinated ROAMA/GEEIA function established at the Hq of Customers to expedite C-E implementation within the command
FN	Foreign National
GATR	Ground Air Transmitter Receiver
GEEIA's Customers	Those Air Force Agencies for whom GEEIA does the engineering-installation of C-E schemes
Grey Area	An area which is not clearly defined or for which no precedent exists
Ground Electronics	Fixed Communication Electronic Systems
GSMO	GEEIA Systems Mangement Office--coordinating Canadian C-E Implementation--located in Ottawa

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GS Positions	Civil Service Positions
H-1	The ROAMA statistical accounting of the communications-electronics engineering installation schedule (RCS: H1)
HOI	Headquarters Office Instruction
IBM	International Business Machines
ICBM	Intercontinental Ballistic Missile
I. G.	Inspector General
ITT	International Telephone and Telegraph
JAMTRACK	A system currently being developed by Mitre in conjunction with the Electronics Counter Counter Measure. The word itself is a contraction of Jamming and Tracking
Klystron	A vacuum tube which operates by the velocity radiation of an electronic beam
LSM	Logistics Support Management
MAAG	Military Assistance Advisory Group
MAP	Military Assistance Program
MATS	Military Air Transport Service
MCP	Military Construction Program
MDA	Mobile Depot Activity specifically doing electronics maintenance work
M Day	Mobilization Day-Presupposing the declaration of all out hostilities

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MITRE	Massachusetts Institute Technology Rand Engineering
MRD	Material Required Date
NAV AIDS	Navigational Aids
NIKE	Ground to Air Ballistic Missile
NORAD	North American Air Defense
NSA	National Space Administration
OJT	On the Job Training
Outside Plant	All C-E facilities (as far as this history goes) on the exterior of a building
PACAF	Pacific Air Force
PCSP	Program Communications Support Program
Procured / Installed	Facilities contracted from a manufacturer who installs same
P-437 Funds	Funds from USAF covering fixed C-E Program
Quick Fix	AirCom Modernization Program
RADC	Rome Air Development Center
R & D	Research and Development
ROAMA	Rome Air Materiel Area
SAC	Strategic Air Command
SAGE	Semi-Automatic Ground Environment

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SATAF	Site Activation Task Force-at ICBM Sites
Sergeant Major	Designation of the Chief Administrative Non-Commissioned Officer of a unit Hq
Seaward Extension	An extension of the SAGE System which employs Navy operated picket ships and USAF aircraft
SEEL's	Standard Facility Equipment Lists
Short Order	A SAC single sideband communications complex which will allow direct control from SAC Hqs to any aircraft wherever it may be
TAC	Tactical Air Command
TACAN	Tactical Air Navigation
TDY	Temporary Duty
TITAN	An Intercontinental Ballistic Missile
T/MA	Table of Military Authorization
T. O.	Technical Order
UAL	Unit Authorization List
UMD	Unit Manning Document
USAFE	United States Air Force Europe
USAFSS	United States Air Force Security Service
USASADEA	United States Army Signal Air Defense Engineering Agency

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WADC	Wright Air Development Center
War Readiness Material	Those items of necessity stockpiled in the event of open hostilities
WSPO	Weapons Systems Project Office
ZI	Zone of the Interior

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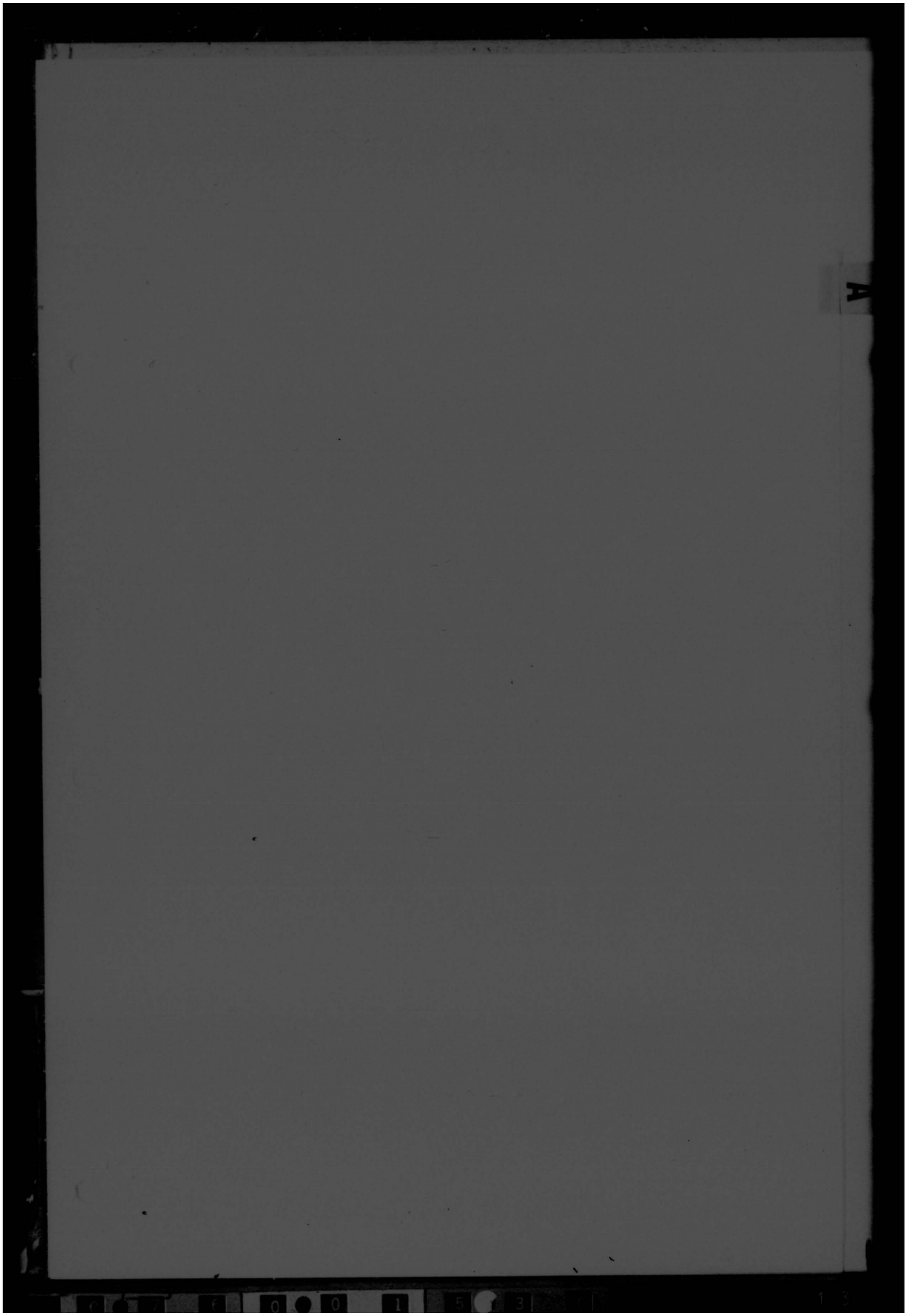

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ROZC

COMMANDER'S READ FILE — COORD W/ROZA, ROZI, ROZM, ROZC

Economy in the Development, Procurement and Operation of Air Force Equipment

ROG

1. The basic objective of the GEEIA organization and, in fact, the purpose and reasons for which it was established are in consonance with accomplishment of the goal expressed in the Vice Chief of Staff's letter dated 19 April 1960, subject as above. By virtue of GEEIA's assigned mission as established in AFR 20-17, many economies and improvements already have been accomplished in the planning, programming and implementation of fixed ground C-E programs, facilities and numbered (L) systems. Some of these are direct and measurable. Others constitute management improvements which have resulted in increased efficiency and economy of operations but which are difficult to measure in terms of specific dollar savings.

2. Examples of GEEIA activities and accomplishments in the area of reducing overall USAF costs are indicated in Attachment One. Actions which GEEIA plans to take are shown in Attachment Two. Recommended actions for higher headquarters consideration are contained in Attachment Three.

3. In the broad area of improvements and economies which can be associated with, or contributed to, the GEEIA organization, are such things as:

a. Centralization of the AF engineering-installation effort in one organization--GEEIA--already has eliminated a considerable amount of duplication of effort caused by the previously uncoordinated efforts of the varied commands and USAF agencies involved in planning, programming, engineering and installing fixed ground C-E facilities.

b. More effective utilization of personnel is being achieved through consolidation of the majority of USAF's technical skills in GEEIA. Since GEEIA supports world-wide requirements, USAF can be assured that support is furnished and resources applied in accordance with highest priority needs.

c. The placing of GEEIA Regions and Squadrons at strategic locations throughout the world insures maximum USAF support to C-E requirements at minimum cost, commensurate with operational requirements.

d. The existence of GEEIA enables the USAF to compare contractual costs vs an organic effort and assure itself that the most economical method of support is being utilized.

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e. The nature of the GEEIA mission itself is "tailored" to meeting the Vice Chief of Staff's objective. This is particularly true in the areas of assisting operating commands or other agencies in developing their ground C-E requirements and in discharging GEEIA's responsibilities of insuring both technical and schedule compatibility. By working with the using agency prior to expressing their requirements in formal Communications-Electronics Implementation Plans (CEIP's) or Advanced Communications Electronics Requirements Plans (ACERP's), recommendations made by GEEIA technical personnel play a major role in preventing "gold plate" items from ever being expressed in requirements documents. The insuring of technical compatibility means that a system or facility will accomplish the job for which it was intended--in the environment in which it must operate. This eliminates the hazard of expensive "black boxes" or extensive modification which results from the "right hand not knowing what the left is doing". In the C-E business today, the cost of hindsight is high. By insuring schedule compatibility (making certain that all program elements are in phase) GEEIA precludes the wasted affects that are caused by applying resources to accomplish a job only to discover that the construction has not been completed or the equipment or funds are not available in the right place at the right time.

4. The subject of economy, efficiency and the important role that GEEIA plays in achieving more Air Force per dollar is a continuing subject which receives special attention during staff visits by myself and my staff throughout the year. I also have made General LeMay's views and goal a special agenda item for the GEEIA Commanders' Conference to be held at this headquarters on 18-19 July 1960.

3 Atch
1. Examples of Mgt Actions GEEIA is taking or has taken
2. Examples of Mgt Actions GEEIA plans
3. Recommended actions for higher Headquarters

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Examples of Management Actions GEEIA is taking or has taken to improve E-I support to fixed ground C-E programs facilities and systems.

1. REFINEMENT OF STANDARD FACILITY EQUIPMENT LISTS (SFEL'S): These important management tools are being refined by applying a maximum degree of standardization. This is reducing to an appreciable degree the number of line items, major and minor hardware required to provide C-E facilities which are GEEIA engineered and ROAMA procured.

2. SYSTEMS ENGINEERING: C-E facilities generally can be satisfied in many different ways. In the past, individual engineers scattered throughout many USAF commands or agencies developed solutions to problem areas in a variety of ways. While these solutions solved the individual problem involved or met a particular requirement, compatibility problems were created when it became necessary to "marry" one C-E facility or system to another. Centralized systems engineering is providing both standards and criteria which will result in more uniform C-E facilities and which will reduce the incompatibility factor. Systems engineering also contributes effectively toward the current GEEIA program to improve and refine SFEL's (Item 1, above).

3. UTILIZATION OF PROFESSIONAL TALENT: GEEIA currently has assigned some three hundred professional level civilian and military engineers. Maximum advantage is taken of this talent before resorting to contractual assistance. This results in both monetary savings and an increased capability to perform an ever expanding GEEIA mission. Further, past experience has indicated that whenever contractual services are utilized, a considerable amount of the USAF organic engineering capability is utilized merely to monitor what the contractor is doing. By engineering with GEEIA talent initially, the USAF saves two ways.

4. ENGINEERING STANDARDS: Engineering standards currently being prepared will enable more realistic equipment selection and siting. This will reduce previously wasted efforts in re-siting, relocation and/or after-the-fact "fixes" and will provide more effective C-E facilities initially. Sound engineering standards, in other words, provide facilities to meet operational requirements--sooner and cheaper.

5. COST REDUCTION THROUGH INCREASED SQUADRON UTILIZATION: Through a program of close surveillance and improved scheduling practices, GEEIA has increased utilization of GEEIA Installation Squadrons from 55% in March 1959, to a high of 80% in May 1960. This has had the same affect as adding approximately one million manhours of installation capability to the USAF annually. Had it been necessary to procure this capability, it would have cost the USAF some $7,000,000, based on a conservative estimate of $7 per hour. Further improvements in overall management of GEEIA's installation capability are planned which should increase utilization proportionately along with resultant savings. A goal of 95% utilization has been established for FY 1961.

6. COST REDUCTION THROUGH PLANNED USE OF THE AIR NATIONAL GUARD: By specially tailoring the training program of 13 ANG units, GEEIA has been able to utilize these organizations for actual installation of programmed fixed ground C-E facilities. Not only has this plan permitted ANG training on the latest equipment, but the USAF was able to realize some 33,000 manhours of installation assistance during FY 1960

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at the nominal cost of $25,000--or 75¢ per hour. It is expected that GEEIA may be able to expand the ANG program to the point that the USAF not only will be reimbursed for ANG training--but an actual net dollar gain will be realized.

7. DEVELOPMENT OF MANAGEMENT DATA: At any one time, GEEIA has from 10,000 to 12,000 communications facilities in some stage of engineering, supply or installation. A system has been devised by GEEIA to permit management of the myriad of actions involved on an "exception" basis through maximum use of advanced data processing techniques and equipment for reporting and analysis. The key to the system is the ROAMA RCS H-1 Report which was designed by GEEIA personnel. This report reflects both planned actions on a time phased basis as well as status of implementation and accomplishments. In addition, the use of coded remarks permits machine analysis to segregate existing problems as well as anticipated problems and further segregates the data into functional areas of responsibility. Utilization of these new procedures and methods has had the effect of reducing management costs while increasing the time that can be applied to problem solving, which in turn, reduces GEEIA installation costs by eliminating costly delays. Even more than costs perhaps is the fact that operational requirements can be met according to schedule. Operating experience to date has pointed to further improvements that can be made to this existing management tool.

8. PROGRAM REVIEWS: Periodically, a ROAMA/GEEIA team visits GEEIA's major customers and conducts a complete review of the command or agency ground C-E program. These reviews encompass programmed equipment in the "buy" program, status of schemes, the MCP program and P437 fund availability for E-I support. Operating dates then are reviewed in the light of all known factors or elements and adjusted in many instances to more realistic, feasible time periods. Also as a result of these reviews, many requirements have been eliminated from the USAF C-E Support Program (PCSP) document which lists world wide ground C-E requirements. During the course of the program reviews it was disclosed that many facilities appearing in the PCSP either had been installed or satisfied, or they actually no longer were required. While not measurable perhaps, it is obvious that many thousands of dollars have been saved by eliminating wasted effort to procure facilities or equipment no longer needed and through applying available resources to valid requirements.

9. ESTABLISHMENT OF GEEIA FIELD OFFICES: To improve GEEIA's "customer" service and apply the principle of preventive action vs corrective action, GEEIA Field Offices have been established at: AFBMD-AFBMC; SAC; ADC; AACS and USAFSS. The three offices which have been manned to date already have precluded many problems which might have developed had GEEIA personnel not been "on board" to insure necessary action. In the C-E area almost all problems or delays are costly in terms of dollar and personnel resources. This same concept has been applied to the CADIN Program through establishment of the GEEIA Systems Management Office (Canada) in Ottawa, and Detachment 1, Pacific GEEIA Region at Wheeler AB, Hawaii. Improved, responsive customer support is one of GEEIA's major objectives which only can mean reduced costs and increased efficiency. Perhaps the best example of results is the fact that commands now are aware of the importance of accurate CEIP preparation in expressing their C-E requirements and they have "on-the-spot" assistance to get the job done. This has improved overall programming in the commands serviced which permits support in an orderly fashion and prevents expensive "crash" programs caused by oversight or poorly prepared requirements documents.

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Examples of Management Actions GEEIA plans for improving E-I support to fixed ground C-E programs, facilities and systems.

1. IMPROVED MANAGEMENT DATA: While the GEEIA initiated ROAMA H-1 Report is an effective management tool, it does not meet the complete needs of a fast moving missile and space era. First, the integration of numerous, constant changes to C-E programs must be accomplished with more speed. Secondly, elements over which GEEIA has no control but to which the GEEIA effort must be "geared", require correlation with existing H-1 data. Primarily, these are availability of USAF C-E assets, the Equipment Buy Program, the MCP Program and available funds. At present, the "missing" program elements, not included in the H-1, are related to each other only through the hard, laborious route of manual comparison. This requires management of complex, expensive C-E systems and facilities, typifying technological advancements--with managerial information only partially mechanized to the modern age. GEEIA, in conjunction with ROAMA, is working on an integrated management data system which will provide all USAF agencies involved with the information they need. Only by reading out of the same, current "book" can the USAF be assured that the C-E effort is directed toward the same goals.

2. PROGRAM AND PROGRESS ANALYSIS: Under the provisions of AFR 20-17, GEEIA is required to keep both higher headquarters and major operating commands informed as to the status of E-I support to the respective ground C-E programs, facilities or systems involved. To date, GEEIA's capability to analyze and present summarized managerial data for top level management has been limited to products or by-products of the ROAMA H-1 Report and specially prepared briefings presented at Hq AMC and Hq USAF on a quarterly basis. With an increasing analytical capability and improvement of accuracy, timeliness and content of the "H-1" Report, along with development of other managerial data, it is planned to provide summary status reports to all commands and agencies serviced on a periodic basis. These status reports will highlight problem or deficiency areas, explain what is being done by GEEIA to correct them and what needs to be done by other agencies in order to "get well" within a minimum period of time.

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Recommended actions for Higher Headquarters to assist in insuring economy in development, procurement and operation of Air Force equipment.

1. CLARIFICATION OF RESPONSIBILITIES: Areas of responsibility and relationships between GEEIA, the ESC, AFCCDD and R&D agencies are not clearly defined. This leads to duplication of effort and general confusion with resulting "waste motion". Current USAF, AMC and ARDC missions, responsibilities and regulations governing C-E management and implementation should be reviewed, amended and clarified without delay. Currently, ROAMA, GEEIA and the ESC have an established project to accomplish that objective, but it should be expanded to include Research and Development aspects.

2. USE OF TRANSCEIVER NETWORK: With the constant changes taking place in ground C-E requirements world-wide, it is essential that these changes be reflected in ROAMA and GEEIA programming and scheduling documents on a timely basis. This is particularly important in view of the tremendous volume involved and the necessity for knowing the world-wide picture as opposed to isolated command C-E programs, all of which must be related to one degree or another. The assignment of a high priority to GEEIA reporting requirements on the existing AMC transceiver network facilities would be of material aid in providing more accurate, up-to-date data upon which command and managerial decisions could be based.

3. PRIORITY SYSTEM: Each year without fail one resource or another (men, money or materiel) is reduced or cannot meet total USAF requirements. This is particularly true in the funds allocated for procurement of equipment or the P437 funds allotted to GEEIA for E-I support. When reductions take place, seldom is it specified just which command program is to be curtailed or eliminated or which is to be supported. The same condition exists when resources are diverted to satisfy urgent operational requirements on a "crash" basis, such as the recent Turkey Tropo project and many others. Broad guidance is furnished as to priorities in several USAF documents but it is not possible to apply these specifically to C-E programs because of the variety of commands, agencies and missions which ground C-E facilities support. While extremely difficult and complicated, the development of a firm priority system tailored to the needs and requirements of fixed ground C-E programs would contribute greatly to more economical and efficient E-I support to the USAF mission. A priority system would enable all concerned to be aware of which programs are to be supported within available resources and which programs must be delayed or eliminated when funds are not sufficient or resources are diverted unexpectedly on the instructions of higher headquarters.

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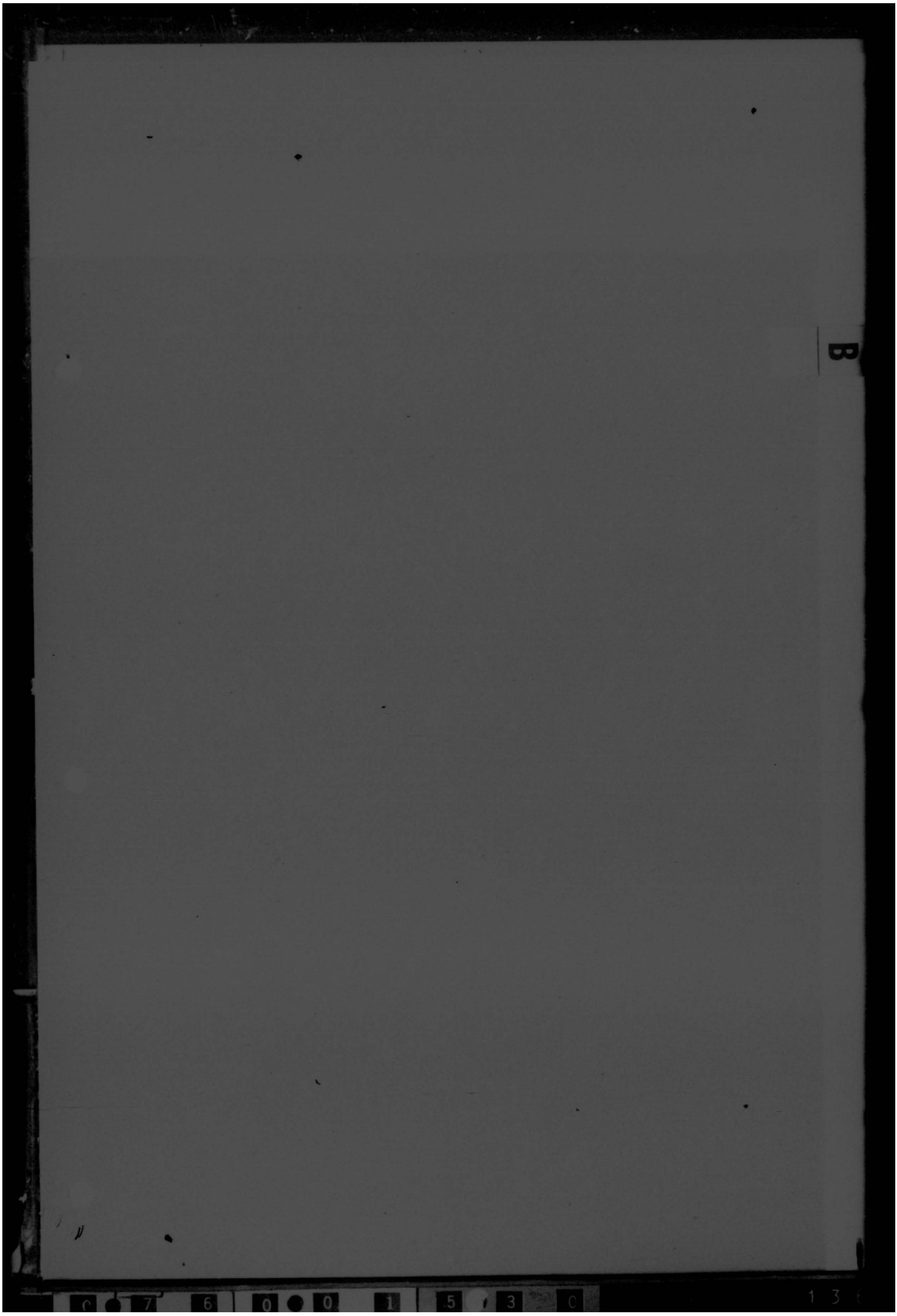

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Lead Check

Headquarters
GROUND ELECTRONICS ENGINEERING INSTALLATION AGENCY (AMC)
UNITED STATES AIR FORCE
Griffiss Air Force Base, New York

SPECIAL ORDERS)
NUMBER P-62)

30 August 1960

OK

1. So much of SO P-56, this Hq, this station, cs, as pertains to the Authorization to certify Certificates of Service for CTS Personnel is amended to include

CIV	MONROE D COULTER	ROZMEA	Chief of Commercial Facility Section

2. MAJOR EUGENE E BROWN, AO2101960, this Hq, this station, is assigned primary duty as Deputy Inspector General for GEEIA (ROZQ) Duty AFSC 3011, Functional Account 49000, effective 26 Aug 60. Authority: AFM 36-1, as amended.

FOR THE COMMANDER

Leonard C Dice

LEONARD C. DICE
1st Lt, USAF
Asst Chief, Mil Pers Division

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HEADQUARTERS
ENGINEERING INSTALLATION AGENCY (AWC)
UNITED STATES AIR FORCE
GRIFFISS AIR FORCE BASE, NEW YORK

8 July 1960

SUBJECT: Assignment of Personnel

TO: [illegible]

1. Effective 25 July 1960, the following officers are assigned to this headquarters, Administrative Services, and will report to the Chief, Administrative Services, for duty:

[illegible]

FOR THE COMMANDER:

Leroy P Charlton

LEROY P CHARLTON
Lt Colonel, USAF
Chief, Administrative Services

DISTRIBUTION:
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HEADQUARTERS
GROUND ELECTRONICS ENGINEERING-INSTALLATION AGENCY (AMC)
UNITED STATES AIR FORCE
GRIFFISS AIR FORCE BASE, NEW YORK

1 December 1960

GENERAL ORDER)
NUMBER 4)

STAFF ASSIGNMENT - LT COLONEL DUDLEY W STEVENSON, 10820A, this Headquarters, this station, is assigned as Director of Engineering, effective 1 December 1960, vice LT COLONEL WILLIAM H MCCUMBER, AO1703862.

FOR THE COMMANDER:

Clair K. Yaw Sr.

CLAIR R YAW SR.
CWO W3, USAF
Chief, Administrative Services

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HEADQUARTERS
ROME AIR MATERIEL AREA (AMC)
United States Air Force
Griffiss Air Force Base, New York

30 September 1960

SPECIAL ORDERS)
NUMBER C-482)

1. COL CARL B LINDSTRAND, 2752A, Hq Ground Electronics Engineering Installation Agency (AMC), this station, is appointed Accountable Officer for Stock Record Account AFB 2222 effective 1 October 1960, vice COL ROBERT L. BARROW, 2687A, relieved (appointed pursuant to paragraph 8, SO 162, this Hq, 23 Aug 57).

FOR THE COMMANDER:

MARGARET [illegible], GS-13, Administrative Services Officer

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HEADQUARTERS

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USAF CENTRAL COORDINATING STAFF-CANADA
UNITED STATES AIR FORCE
1327A Wellington Street
Ottawa, Ontario, Canada

SPECIAL ORDERS)
NUMBER 374)

19 August 1960

So much of SO 302, 12 Jul 60, cs, this activity, pertaining to reassignment of MAJ ROY H. HEINZEL, 11167A, as reads, assigned Headquarters GEEIA (AMC), Griffiss Air Force Base, New York, is amended to read, assigned Headquarters GEEIA (AMC), Griffiss Air Force Base, New York, with duty and station GEEIA Liaison Officer with AACS, Scott Air Force Base, Belleville, Illinois; and as reads, Report to Commander, GEEIA, Griffiss AFB, New York, no later than 28 August 1960. EDCSA: 1 Sep 60, is amended to read, Report to Commander, AACS, Scott AFB, Belleville, Illinois, no later than 28 August 1960. EDCSA: 1 Sep 60; and as reads, New mailing address is: grade, full name, AFSN, Hq GEEIA, Griffiss AFB, New York, is amended to read, New mailing address is: grade, full name, AFSN, GEEIA Liaison Officer with AACS, Scott AFB, Belleville, Illinois; and as reads, TPA with 1 day travel time authorized, is amended to read, TPA with 4 days travel time authorized.

FOR THE CHIEF

Richard A. Steele
RICHARD A. STEELE
Lt Colonel, USAF
Asst Administrative Officer

DISTRIBUTION:
50 - Maj Heinzel
15 - P&FC
6 - 4602 Supp Wg (MAT-T)
6 - ROAMA (Trnsp Off)
5 - GEEIA
5 - AACS Scott AFB
5 - 1132 USAF Sp Acty Sq
3 - 1130 USAF Sp Acty Gp
2 - Hq USAF (AFCAS-13)
2 - 4602 Supp Wg (B&A)
2 - GEEIA (Postal Officer)
2 - Scott AFB (Postal Officer)
1 - AMC (MCAMA)

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HEADQUARTERS
SAN ANTONIO AIR MATERIEL AREA (AMC)
United States Air Force
Kelly Air Force Base, Texas

SAEA

22 June 1960

SPECIAL ORDERS)
NUMBER 4131)

PERSONNEL DATA: LTCOLONEL CONRAD C. KOLANDER, JR., 7658A.

ASSIGNMENT: Relieved from assignment Headquarters, San Antonio Air Materiel Area, AMC, this station; assigned Headquarters, GEEIA, AMC, Griffiss Air Force Base, New York, with permanent duty station at the AMC Ballistic Missiles Center, Inglewood, California, for duty as GEEIA Liaison Officer.

REPORTING DATA: 30 DALVP. Officer will depart on or about 6 July 1960. Report to Commander, AMC Ballistic Missiles Center, Inglewood, California, not later than 11 August 1960. EDCSA: 17 July 60.

GENERAL INSTRUCTIONS: Authority: AFM 35-11 and Headquarters, AMC letter, MCAMA, 16 June 1960, Subject: Reassignment of Officer. Field Personnel Records will be mailed to Headquarters, GEEIA, Griffiss Air Force Base, New York. Officer will handcarry Pay Record, Medical and Dental Records, and Flight Records to duty station.

TRANSPORTATION: PCS. TDN. 571 3500 163-1006 P531, 10 S504309 0200 0300. Dislocation allowance other. TEA with 6 days travel time authorized. If POV is not used, travel time will be the time of common carrier used.

FOR THE COMMANDER:

OFFICIAL

JAMES C. BORDEN, LtCol., USAF
Chief, Administrative Services
Personnel & Administration Office

DISTRIBUTION:
65 AMPO
1 CAGT-2
5 Hq GEEIA, Griffiss AFB
5 Ballistic Missiles Center, Calif
3 MCAMA
1 Hq USAF Attn: Mil Pers Rec
1 BH, 1 AMC 201 file, 1 AMPO 201, 1 AECM-1A, 1 AF Times

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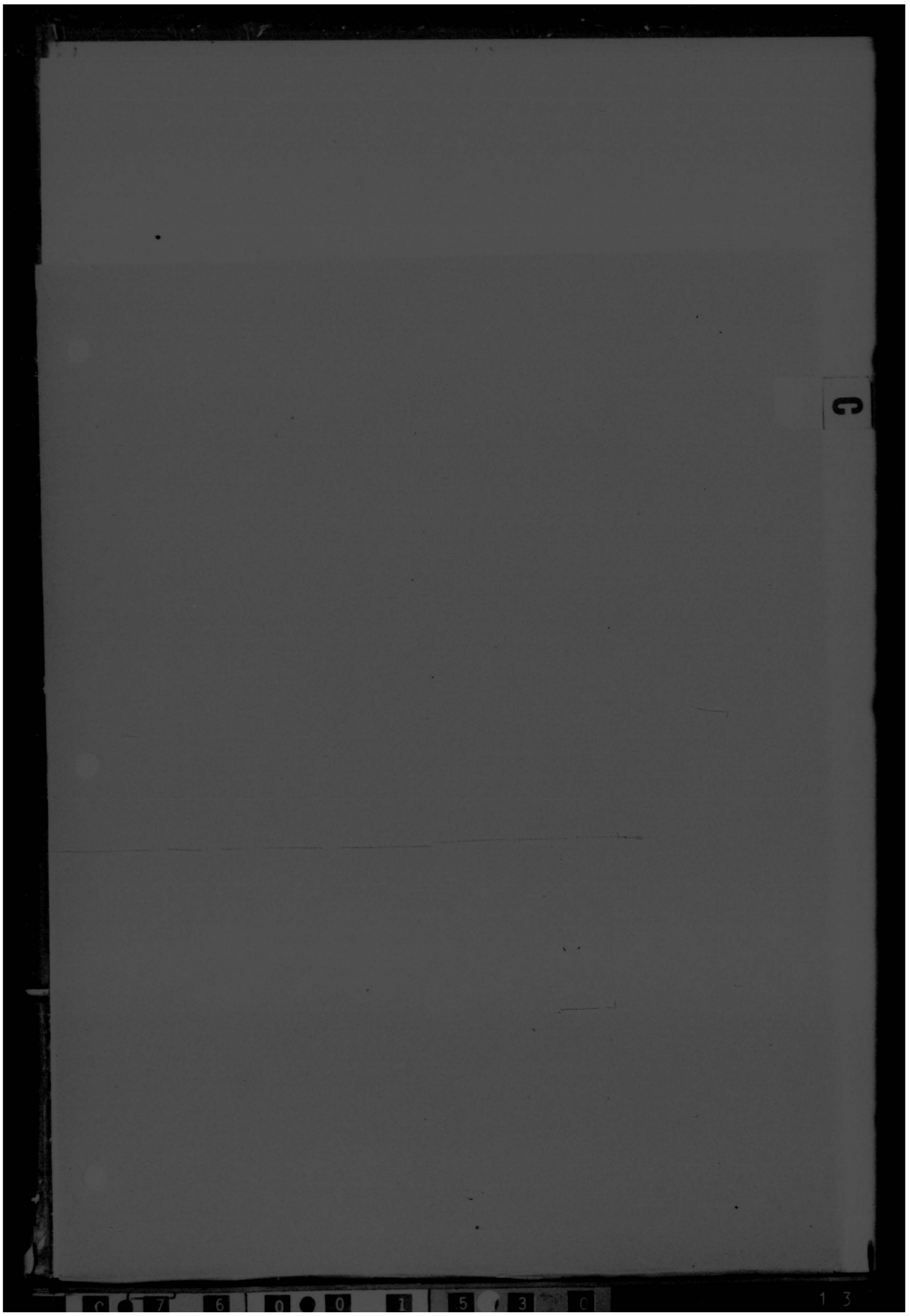

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HEADQUARTERS GROUND ELECTRONICS ENGINEERING-INSTALLATION AGENCY
GRIFFISS AFB, ROME, N.Y.
ORGANIZATIONAL DIRECTORY CHART

ROME AIR MATERIEL AREA
MAJOR GENERAL C. B. ROOT

GEEIA COMMAND
COMMANDER — BRIGADIER GENERAL H. E. NEAL
DEPUTY — COL C. J. BROWBACK
EXECUTIVE — LT COL D. R. CHARLTON
AIDE DE CAMP — CAPT R. S. CUMMERLEDGE

OFFICE OF ADMINISTRATIVE SERVICES
OFFICE OF C.T.V. PROGRAM
INSPECTOR GENERAL & QUALITY ASSURANCE OFFICE
PERSONNEL OFFICE
MAJ. S. HUGHES MANAGEMENT DIVISION
GENERAL SERVICES DIVISION
MILITARY PERSONNEL DIVISION
GROUND SAFETY
INFORMATION OFFICE
MANPOWER & ORGANIZATION DIVISION
DIRECTORATE OF PLANS & PROGRAMS
DIRECTORATE OF INSTALLATIONS & MATERIEL
HEADQUARTERS COMMANDANT
ENGINEERING SUPPORT DIVISION
FIELD SUPPORT DIVISION
UNIT ADMINISTRATION
FINANCIAL DIVISION
GEEIA SYSTEMS MANAGEMENT OFFICE
ENGINEERING CONTROL OFFICE
AIR NAVIGATIONAL SYSTEMS DIVISION
IMPLEMENTATION CONTROL DIVISION
HEADQUARTERS SUPPORT
PROGRAMS DIVISION
ROAMC / GEEIA FIELD OFFICES
C-E STANDARDS DIVISION
COMMUNICATIONS SYSTEMS DIVISION
C-E SCHEME ACCOUNTING CONTROL DIVISION
PLANS & ANALYSIS DIVISION
CONTRACT SERVICES DIVISION
PACIFIC GEEIA REGION
ALASKAN GEEIA REGION
CENTRAL GEEIA REGION
EASTERN GEEIA REGION
EUROPEAN GEEIA REGION

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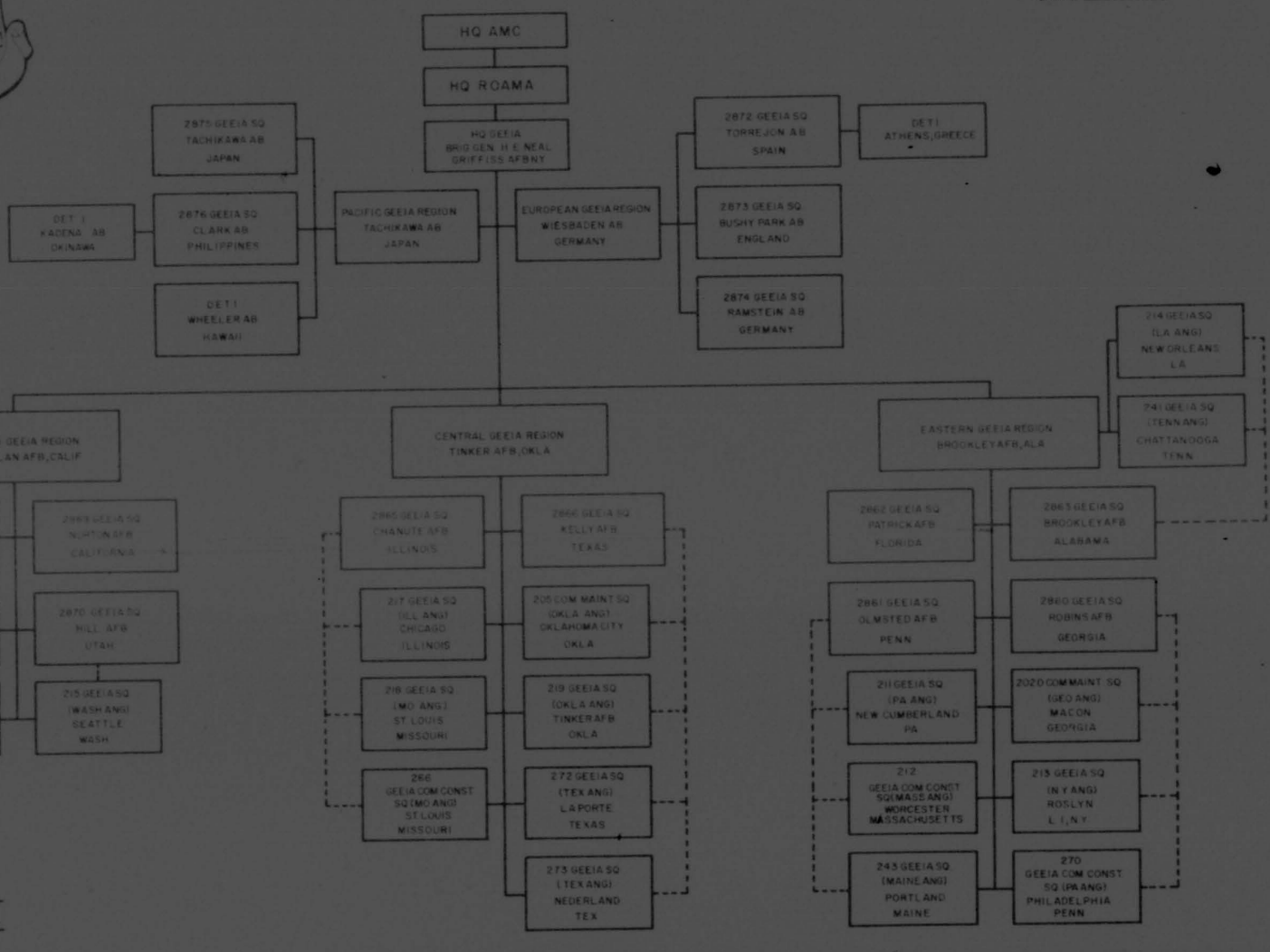
HEADQUARTERS GROUND ELECTRONICS ENGINEERING INSTALLATIONS AGENCY
GRIFFISS AIR FORCE BASE, NEW YORK
ORGANIZATIONAL CHART

APPROVED _____
DATE 31 Dec 1959



COORDINATION _____
COMMAND _____

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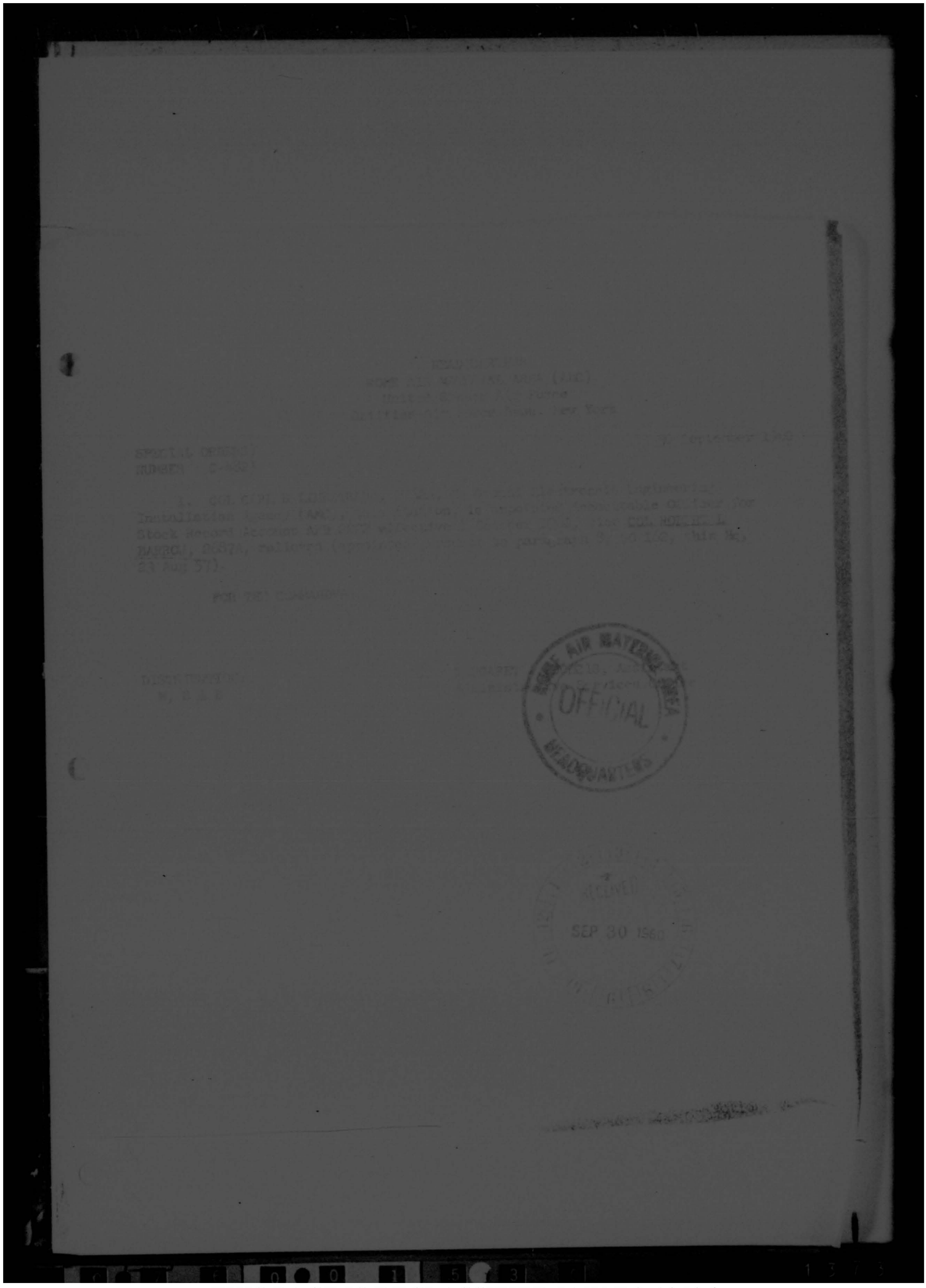

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GEEIA REGULATION
NO. 74-1

HEADQUARTERS, GROUND ELECTRONICS
ENGINEERING-INSTALLATION AGENCY
Griffiss Air Force Base, New York
16 March 1961

Quality Control

GEEIA QUALITY CONTROL PROGRAM

PURPOSE. To establish a GEEIA Quality Control Program.

	Paragraph
Scope	1
GEEIA Quality Control Mission	2
Concepts	3
Policies	4
Objectives	5
Responsibilities and Functions	6
Standards	7
Engineering Evaluation	8
Installation Evaluation	9

1. SCOPE. The GEEIA Quality Control Program applies to all GEEIA organizations, and encompasses C-E engineering and installation supporting efforts, and such other areas as directed by the appropriate commander.

2. MISSION. The GEEIA Quality Control mission in accordance with the basic Quality Control Program contained in existing publications in the 74 series is to insure the conformance of GEEIA organic or contracted C-E engineering, installation, and supporting efforts to established standards.

3. CONCEPTS:

a. The fundamental concept of GEEIA Quality Control is to insure the high quality of C-E Engineering-Installation rather than to correct poor quality after the installation of the facility has been accomplished.

b. Quality Control, as applicable to GEEIA activities, includes those collective measures by which the conformance of GEEIA engineering, installation, and supporting efforts to established standards is assured; the quality and reliability of these efforts is measured, and, in the event of noted deficiencies, corrective action is taken. Quality control includes the miltitude of quality measures which collectively assure customer satisfaction - the final qualitative measure of the GEEIA product.

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c. Management of the GEEIA Quality Control Program requires Staff Level attention and its effective use requires the cooperation of those responsible for the influence which GEEIA C-E activities have on the quality and reliability of weapon and support systems. For this reason, the quality techniques should be understood and indorsed at all GEEIA management levels.

d. Quality control data will be presented by charting defects, thereby assisting management to determine trends and to diagnose and correct problems which will bring improvements in the final product and a reduction of rework.

e. The installation team chief and/or contract management personnel will be responsible for insuring the use of GEEIA approved standard installations practices, and for assuring the quality of every phase of the installation.

f. The quality of work accomplished by GEEIA personnel will be dependent upon their skill level, training, degree of GEEIA motivation, and morale. All levels of management will be responsible for assuring that these factors are maintained on the highest order.

4. POLICIES.

a. Quality Control plans, procedures, and systems will be directed toward assuring - through inspection, review and analysis - that all aspects of GEEIA functions reflect the highest standards of workmanship and technical ability and further, that all GEEIA engineered/installed C-E facilities result in satisfied customers.

b. Economy will be fostered wherever possible by eliminating unnecessary inspection and by recommending improvements for the processes and techniques which directly affect the quality of engineering and installation of communications-electronics facilities.

c. Meaningful factual data resulting from inspection, tests and evaluation of quality will be analyzed and furnished to management for improvement of procedures and systems.

d. Adequate control of the types of technical personnel assigned to Quality Control functions will be maintained to insure economical and efficient utilization of these highly qualified installations personnel and/or engineers.

e. The basic Quality Control functional responsibilities remain fixed, although the size of the specific Quality Control organization may vary with the overall mission and support activities.

f. For GEEIA contracted engineering and/or installations, the contract will require that the Contractor develop and establish a GEEIA-approved Quality Control Program based on the requirements of Specification MIL-Q-9858 and AMCM 74-1. It will be the responsibility of the originator of all GEEIA contracts to insure that the following Quality Control provision is included in such contracts:

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SP 1-27 Quality Control

For purposes of this procurment, the requirements of Specification MIL-Q-9858, entitled "Quality Control System Requirements" shall be in full force and effect, paragraph 1.2 thereof notwithstanding.

g. GEEIA will be responsible for Quality Control for all Communications-Electronics Installation-Engineering or Installation whether contracted for or accomplished with organically assigned personnel.

5. OBJECTIVES:

a. To provide a GEEIA Quality Control Program which insures conformance of all GEEIA (Contract or organic) engineered and/or installed C-E facilities to established standards of quality and reliability.

b. To direct the program toward the prevention of deficiencies, the prompt detection of unsatisfactory trends, and the timely correction of deficiencies.

6. RESPONSIBILITIES AND FUNCTIONS:

a. The Headquarters GEEIA Quality Control Office will:

(1) Establish a dynamic Quality Control Program which will insure that C-E facilities engineered and/or installed through GEEIA resources meet the requirements of GEEIA customers by developing and/or providing:

(a) GEEIA Quality Control objectives, policies, and functional concepts,

(b) Procedural systems which will integrate the Quality Control activities of all GEEIA components,

(c) Staff surveillance over all Quality Control functional activities.

(2) Insure effective implementation of all Quality Control policies and procedures.

(3) Review all recommendations on Quality Control submitted to Hq GEEIA.

(4) Provide source of information and promote the development and use of new Quality Control techniques and concepts by all GEEIA personnel and activities.

(5) Promote quality-mindedness within GEEIA activities by promoting increased attention to quality by all personnel.

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(6) Conduct Quality Control staff visits as necessary to evaluate the effectiveness of the program and to determine desirable improvements.

(7) Make recommendations to the Commander and directorates with respect to the Quality Control Program and perform additional quality functions as directed by the Commander

b. Region Hq Quality Control Offices: The following are the minimum functions to be performed by the Region Hq Quality Control Office to insure compliance with the GEEIA Quality Control Program:

(1) Provide staff Quality Control guidance for contracted or organic C-E Engineering-Installation functions.

(2) Insure effective implementation of the Quality Control Program.

(3) Provide technical services directly associated with Quality Control.

(4) Formulate specific Region policies and procedures required.

(5) Serve as staff consultant to the Commander on specific quality applications, and quality practices.

(6) Perform limited inspection or verification of engineered schemes, and installations as required to insure compliance with standards, specifications, and contractual documents.

(7) Promote quality-mindedness of all Region personnel.

(8) Maintain the basic Quality Control verification evidence, i.e., signed check sheets, etc, for historical and analytical purposes.

(9) Evaluate the GEEIA Region engineering/installations quality level and submit periodic reports to those activities responsible for the managing of C-E projects.

(10) Effect coordination with Headquarters GEEIA and other agencies, military and non-military, for the improvement of the Quality Control Program for C-E systems within the Air Force.

(11) Insure prompt reporting of Quality Control matters beyond control of the Region Commander to the Commander, GEEIA.

(12). Review Quality Control policies and procedures continuously to insure currency.

(13) Perform additional Quality Control functions as directed by the Commander and/or higher headquarters.

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c. GEEIA Squadrons will:

(1) Insure compliance with all GEEIA Quality Control directives and procedures.

(2) Insure the use of GEEIA-approved Standard Installations Practices at all times.

(3) Promote "quality-mindedness" within every area of squadron activity.

(4) Insure insofar as possible that every installer assigned to the squadron is capable of performing the installations tasks required within his career field, and expected area of responsibility.

(5) Insure continual emphasis on OJT and special training requirements.

(6) Insure that the Installations Team composition meets the requirements of the job.

(7) Insure that the Installations Team is thoroughly briefed on the job to be accomplished.

(8) Insure that the Installations Team has been provided with the necessary support, i.e., tools, transportation, directives, housing, Local Purchase authority if required, etc.

(9) Provide the Region Quality Control Office with copies of Quality Control verification evidence, i.e., signed check sheets, etc.

(10) Perform an analysis of squadron installation quality as evidenced by Quality Control verification, check sheets, etc.

(11) Submit periodic reports as required to those responsible for managing C-E projects.

7. STANDARDS. GEEIA Engineering-Installations Quality Control verification will be based on Air Force Standard Installations Technical Orders, GEEIA Standard Installations Practice Technical Orders, GEEIA Standard Engineering Practices, T.O. 31-1-8, and GEEIA Quality Control procedures. Training standards for Installations personnel will be those established by the Air Force Training Command as augmented by Hq GEEIA.

8. ENGINEERING EVALUATION.

a. Quality control personnel assigned to engineering evaluation duties must have extremely broad experience in communications-electronics engineering and installation. Quality control engineering evaluation will be based on the engineer's adherence to:

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(1) PC Instructions (ACERP, CE-IP, etc.)

(2) T.O. 31-1-8

(3) GEEIAR 100-1 and other applicable publications

(4) Published GEEIA Standards and SFEL's

b. Quality Control personnel will be fully conversant with these directives and the methodology that results in an engineered product. It is recognized that the facility requirement can be generated by any one of the several different approaches. Therefore, engineering evaluation will be concerned with adherence to good engineering practices, insuring full and complete coordination with other agencies, and with adherence to the established TO 31-1-8 procedures for translating the operational requirement into a complete and acceptable C-E facility.

c. The total checklist of TO 31-1-8 will be the guide as to the quality of the engineers product. He must insure that the supporting actions of others have been taken. Quality Control personnel must have evidence of these actions. A vital check to be made will be: Did the engineer visit the site to insure that he has considered all possible factors affecting his finished product? Assuming that this was done, the engineer must have reduced his plans to usable copy, outlining the method of installing, wiring, supplying power, constructing antennas and transmission lines, etc., in such a manner that the installers can install, and the finished product will work.

d. Quality criteria for the engineer's job performance will be further based on:

(1) Adherence to or deviation from GEEIA standards or other industry-wide published standard practices.

(2) In the absence of appropriate standards, how well he developed the specs, BOM's and drawings.

(3) Usability of his product by the installation personnel, i.e., accuracy, adequacy, and clarity of instructions.

9. INSTALLATION EVALUATION.

a. Quality control of contract or organic installations will be accomplished after a thorough study of the scheme and/or contract requirements and specifications.

b. The Region will insure development of Quality Control checklists for installation evaluation based upon the Standards listed in paragraph 7, and the requirements and specifications of the scheme and/or contract. Critical points which determine the quality of the installations will be listed on the checklist as "major" or "minor" items of importance.

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c. Quality control evaluation of installations will be based upon the quality of the critical checkpoints.

d. The Quality Control evaluation of a contract installation will be further based upon an analysis of the contractor's Quality Control reports, in addition to visual inspections.

e. Installation discrepancies will be reported immediately to:

(1) The administrative contracting officer and the contractor, or

(2) The GEEIA Installations Team Chief.

f. All discrepancies will be recorded on the installations check sheet, which will be returned to the parent Quality Control Office.

g. The Quality Control personnel will not direct installation changes, nor will they assume the responsibilities incumbent upon the contractor or installations team chief.

h. Preparation of the AFTO Form 88 as required in TO 31-1-8 (and par 6e, Atch 6, AMCL 23-2, dtd 17 Feb 61) will be a function of the appropriate Quality Control element. The following statement will be included in the "REMARKS" section of Part I, AFTO 88:

"I certify that the items (facilities) listed herein have been inspected by me or under my supervision. They conform to the contract (scheme) referenced herein and have been accepted as noted."

_____
GEEIA Quality Control Inspector

FOR THE COMMANDER

CLAIR R. YAW, SR.
CWO, W3, USAF
Chief, Administrative Services

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DEPARTMENT OF THE AIR FORCE
WASHINGTON

SPECIAL ORDERS)
NUMBER C-1244)

15 November 1960

1. Each of the following is relieved from assignment, from duty station indicated and placed on the Temporary Disability Retired List per sec 1202 and 1372, Title 10, USC effective 28 Nov 60, and at the proper time will proceed home of selection. SDN 270. POS. TDN. 5713500.002 148-141 P 531.11 S 503725 0200, 0300:

Grade, Name, AFSN	Assignment	Duty Station
SSGT WILLIAM R PATTERSON, AF18345391	USAF Hosp Eglin, ARDC, Eglin AFB, Fla	Waco, Tex
A3C ANTHONY DECELLIS, AF12564106	USAF Hosp Sheppard, ATC, Sheppard AFB, Tex	Brooklyn, NY
A3C GERALD W ELLERS, AF14705942	USAF Hosp Travis, MATS, Travis AFB, Calif	Durham, NC

2. SSGT GEORGE R FOUGERE, AF11248356 is relieved from assignment USAF Hosp Andrews, Hq Comd, USAF, Andrews AFB, Wash 25, DC and retired per sec 1201 and 1372, Title 10, USC effective 28 Nov 60, and will proceed home of selection. SDN 271. POS. TDN. 5713500.002 148-141 P 531.11 S 503725 0200, 0300.

3. So much of paragraph 3, SO C-1194, DAF, 1960, relating to relief from assignment 1085 Med Svc Sq, Hq Comd, USAF, Valley Forge Gen Hosp, Phoenixville, Pa, from duty station East Orange, NJ and retirement, as reads "A3C DONALD W PRAIZNER, AF12575959" is amended to read "A3C DONALD PRAIZNER, AF12575959."

4. The resignation tendered by LTCOL WILLIAM H MCCUMBER, A01703862 (952195E), Hq GEEIA, AMC, Griffiss AFB, NY, from his appointment as Chief Warrant Officer, W3, RegAF, is accepted and he is honorably discharged from all appointments as a Warrant Officer in the USAF effective 30 Nov 60. Authority: Paragraph 16d, AFR 36-12. This action in no way affects officer's status as a Reserve Officer on extended active duty.

5. The resignation tendered by MAJ BELTON G ATWELL, A01634113 (951714E), Hq 3201 AB Wg, ARDC, Eglin AFB, Fla, from his appointment as Chief Warrant Officer, W3, RegAF, is accepted and he is honorably discharged from all appointments as a Warrant Officer in the USAF effective 30 Nov 60. Authority: Paragraph 16d, AFR 36-12. This action in no way affects officer's status as a Reserve Officer on extended active duty.

C-1244

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SO C-1244, DAF, 15 Nov 60, cont.

6. Each of the following is relieved from assignment and retired in grade of Lieutenant Colonel per sec 8911, Title 10, USC effective 30 Nov 60, and will proceed home of selection; is assigned to Retired Reserve Section and placed on the USAF Reserve Retired List effective 1 Dec 60 and authorized retired pay per sec 8991, Title 10, USC. SDN 567. PCS. TDN. 5713500.002 148-141 P 531.11 S 503725 0200, 0300:

Grade, Name, AFSN	Assignment
LTCOL WILLIAM H MCCUMBER, A01703862	Hq GEEIA, AMC, Griffiss AFB, NY
MAJ BELTON G ATWELL, A01634113	Hq 3201 AB Wg, ARDC, Eglin AFB, Fla

7. Each of the following Majors is relieved from assignment and retired per sec 8911, Title 10, USC effective 31 Dec 60, and will proceed home of selection; is assigned to Retired Reserve Section and placed on the USAF Reserve Retired List effective 1 Jan 61 and authorized retired pay per sec 8991, Title 10, USC. SDN 567. PCS. TDN. 5713500.002 148-141 P 531.11 S 503725 0200, 0300:

Name, AFSN	Assignment
MALCOLM W CUETT, A01543875	1071 Med Svc Sq, Hq Comd, USAF, Gunter AFB, Ala
JOSEPH F HANLON, A0660992	336 Bomb Sq (H), SAC, Turner AFB, Ga
CLARENCE O SHANE, A0862498	Hq 1 RBS Gp, SAC, Carswell AFB, Tex
PAUL V SILLS, AF535771	3 Trp Carr Sq (H), MATS, Donaldson AFB, SC
CARL F WRIGHT, A0562386	Hq 321 Bomb Wg (M), SAC, McCoy AFB, Fla

8. So much of SO C-1210, DAF, 1960, relating to relief from assignment 87 Ftr Interceptor Sq, ADC, Lockbourne AFB, Ohio and transfer to the Reserve of the AF and retirement, as reads "MSGT CLAUDE H ANTHONY, AF1403415" is amended to read "MSGT CLAUDE H ANTHONY, AF14032415."

BY ORDER OF THE SECRETARY OF THE AIR FORCE:

THOMAS D. WHITE
Chief of Staff

DEPARTMENT OF THE AIR FORCE OFFICIAL HEADQUARTERS U.S. AIR FORCE

J. L. TARR
Colonel, USAF
Director of Administrative Services

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GEEIA COMMANDERS' CONFERENCE

18-19 JULY 1960

LIST OF CONFEREES

PERMANENT CONFEREES:

Hq GEEIA

Colonel Carl B. Lindstrand, Director of Installations
Colonel Joe P. Walters, Director of Plans and Programs
Lt Colonel David G. Bearse, Chief of Personnel
Lt Colonel William H. McCumber, Director of Engineering
Mr. Redding G. Oglesby, Deputy Director of Engineering

GEEIA Regions

Colonel Thomas S. Bond, Jr., Commander, Pacific GEEIA Region
Colonel John W. Hope, Commander, European GEEIA Region
Colonel Christian D. Kauffman, Commander, Western GEEIA Region
Lt Colonel Chester F. Hawkins, Commander, Eastern GEEIA Region
Lt Colonel George L. Timme, Jr., Commander, Central GEEIA Region

GEEIA Systems Management Office (Canada)

Lt Colonel James H. Rose, Chief

GEEIA Field Offices

Major Dellas A. Brown, Chief, GEEIA Field Office, Hq ADC
Major Frederick E. Lynch, Chief, GEEIA Field Office, Hq USAFSS
Major David T. Woodruff, Chief, GEEIA Field Office, Hq AFBMC/AFBMD

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LIST OF CONFEREES (CONT'D)

TEMPORARY CONFEREES: *

Directorate of Engineering

Mr. Z. J. Bara
Captain R. H. Beers
Mr. M. P. Forte
Mr. I. F. Markham
Mr. R. H. Smith

Directorate of Installations

Lt Colonel M. Bobela
Lt Colonel D. A. Bolger
Lt Colonel A. R. Bonner
Mr. C. S. Dayhoff
Major W. D. Gable
Major J. Jaskot
Mr. J. C. Newman
Mr. J. W. Thomas
Captain J. E. Wildman

Personnel Office

Captain W. G. Hauger
Major K. R. Miller

Directorate of Plans and Programs

Mr. H. C. Jones
Captain J. M. McHugh
Major G. F. Palmer
1/Lt R. M. Powell

* Individuals who will be present for respective functional area briefings

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HEADQUARTERS
AIR MATERIEL COMMAND
UNITED STATES AIR FORCE
WRIGHT-PATTERSON AIR FORCE BASE, OHIO

GENERAL ORDERS)
NUMBER 96)

11 October 1960

SECTIONS

DISCONTINUANCE OF THE 2871ST GEEIA SQUADRON.....I
DESIGNATION AND ORGANIZATION OF DETACHMENT.....II
DISCONTINUANCE OF DETACHMENT.....III

I. DISCONTINUANCE OF THE 2871ST GEEIA SQUADRON. 1. The 2871st GEEIA Squadron is discontinued at Wheelus Air Base, Libya, effective 3 January 1961.

2. Personnel and personnel allotments rendered surplus by this action will revert to control of the Commander, Rome Air Materiel Area.

3. Supplies and equipment rendered surplus by this action will revert to the Commander of Rome Air Materiel Area to fill present and future requirements. Unit Authorization List Number 2871-4095 will be cancelled.

4. Records will be disposed of in accordance with instructions contained in Air Force Manual 181-5.

5. Funds will be disposed of and a final report submitted in accordance with current directives.

6. A report of the above action will be submitted to the Commander, Air Materiel Command, Wright-Patterson Air Force Base, Ohio, Attention, EWCDAD (Area A) by means of the Air Force Organization Status Change Report (RCS: AF-01) in compliance with current instructions.

7. Authority: Air Force Regulation 20-27.

II. DESIGNATION AND ORGANIZATION OF DETACHMENT. 1. Detachment 1, 2872nd GEEIA Squadron is designated and organized at Athenai Airport, Athens, Greece, effective 15 October 1960.

2. Personnel and personnel allotments will be provided from resources under control of the Commander, Rome Air Materiel Area.

3. Unit Authorization List Number 2872-4095-01 is approved for inclusion in the Rome Air Materiel Area Unit Authorization List Index and related records.

4. The mission of Detachment 1, 2872nd GEEIA Squadron is to install programmed USAF communications-electronics facilities in southeast Italy, Greece, Turkey and northwest Africa areas.

5. A report of the above action will be submitted to the Commander, Air Materiel Command, Wright-Patterson Air Force Base, Ohio, Attention: EWCDAD, (Area A), by means of the Air Force Organization Status Change Report (RCS: AF-01) in compliance with current instructions.

6. Authority: Air Force Regulation 20-27.

III. DISCONTINUANCE OF DETACHMENT. 1. Detachment 3, Headquarters, Air Materiel Force, Pacific Area is discontinued at Hickam Air Force Base, Hawaii, effective 1 January 1961.

2. Personnel and personnel allotments rendered surplus by this action will revert to the control of the Commander, Air Materiel Force, Pacific Area.

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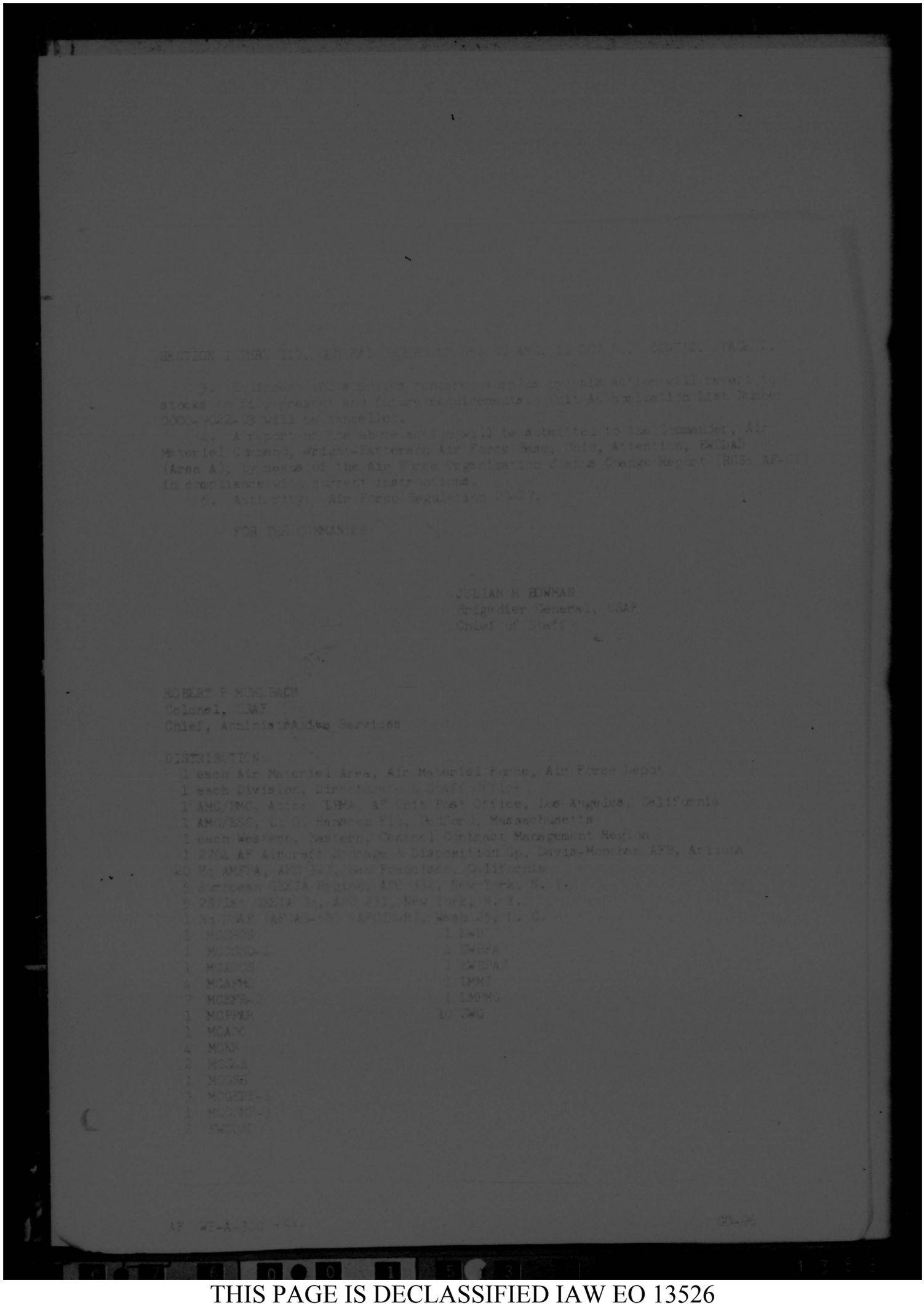

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HEADQUARTERS

AIR MATERIEL COMMAND

UNITED STATES AIR FORCE

WRIGHT-PATTERSON AIR FORCE BASE, OHIO

(GENERAL ORDERS)
NUMBER 80)

30 August 1960

SECTIONS

DISCONTINUANCE OF DETACHMENT 1, 2862ND GEEIA SQUADRON I
DESIGNATION AND ORGANIZATION OF DETACHMENT 1, HEADQUARTERS, 2851ST AIR BASE WING II

I. DISCONTINUANCE OF DETACHMENT 1, 2862ND GEEIA SQUADRON. 1. Detachment 1, 2862nd GEEIA Squadron located at Patrick Air Force Base, Florida, is discontinued effective 1 September 1960.

2. Personnel and personnel allotments rendered surplus by this action will revert to the control of the Commander, Rome Air Materiel Area.

3. Equipment rendered surplus by this action will revert to stocks to fill present and future requirements. Unit Authorization List Number 2862-4096-01 is cancelled.

4. A report of the above action will be submitted to the Commander, Air Materiel Command, Wright-Patterson Air Force Base, Ohio, Attention, MCPCS, by means of the Air Force Organization Status Change Report (RCS: AF-01) in compliance with current instructions.

5. Authority: Air Force Regulation 20-27.

II. DESIGNATION AND ORGANIZATION OF DETACHMENT 1, HEADQUARTERS, 2851ST AIR BASE WING. 1. Detachment 1, Headquarters, 2851st Air Base Wing is designated and organized at Bryan Air Force Base, Texas, effective 1 September 1960.

2. Personnel and personnel allotments will be provided from resources under control of the Commander, San Antonio Air Materiel Area.

3. Unit Authorization List Number 2851 4513-01 is approved for inclusion in the San Antonio Air Materiel Area Unit Authorization List Index and related records.

4. The mission of this detachment is to provide housekeeping services for Bryan Air Force Base and its assigned off-base facilities.

5. A report of the above action will be submitted to the Commander, Air Materiel Command, Wright-Patterson Air Force Base, Ohio, Attention, MCPCS, by means of the Air Force Organization Status Change Report (RCS: AF-01) in compliance with current instructions.

6. Authority: Air Force Regulation 20-27.

FOR THE COMMANDER:

JULIAN H HOWMAN
Brigadier General, USAF
Chief of Staff

ROBERT P MEILBACH
Colonel, USAF
Chief, Administrative Services

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HEADQUARTERS
AIR MATERIEL COMMAND
UNITED STATES AIR FORCE
WRIGHT-PATTERSON AIR FORCE BASE, OHIO

GENERAL ORDERS)
NUMBER 114)

12 December 1960

DESIGNATION AND ORGANIZATION OF DETACHMENT. 1. Detachment 1, 2876th OEEIA Squadron is designated and organized at Kadena Air Base, Okinawa, effective 1 January 1961.

2. Personnel and personnel allotments will be provided from resources under control of the Commander, Rome Air Materiel Area.

3. Unit Authorization List Number 2876-4095-01 is approved for inclusion in the Rome Air Materiel Area Unit Authorization List Index and related records.

4. The mission of this Detachment is to install programmed USAF communications- electronics facilities on Okinawa.

5. A report of the above action will be submitted to the Commander, Air Materiel Command, Wright-Patterson Air Force Base, Ohio, Attention: EWCSAD (Area A) by means of the Air Force Organization Status Change Report (RCS: AF-01) in compliance with current instructions.

6. Authority: Air Force Regulation 20-27.

FOR THE COMMANDER:

JULIAN H BOWMAN
Brigadier General, USAF
Chief of Staff

ROBERT P MUHLBACH
Colonel, USAF
Chief, Administrative Services

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HEADQUARTERS
GROUND ELECTRONICS ENGINEERING-INSTALLATION AGENCY (AMC)
UNITED STATES AIR FORCE
GRIFFISS AIR FORCE BASE, NEW YORK

GENERAL ORDERS)-
NUMBER 2)

10 October 1960

	SECTIONS
DESIGNATION OF OPERATING LOCATIONS OF HQ GEEIA	I
DESIGNATION OF OPERATING LOCATIONS OF EASTERN GEEIA REGION	II
DESIGNATION OF OPERATING LOCATIONS OF CENTRAL GEEIA REGION	III
DESIGNATION OF OPERATING LOCATIONS OF WESTERN GEEIA REGION	IV
DESIGNATION OF OPERATING LOCATIONS OF EUROPEAN GEEIA REGION	V

I. DESIGNATION OF OPERATING LOCATIONS OF HQ GEEIA.

1. The following Operating Locations of Hq GEEIA are designated and established as indicated, with assignment to the Ground Electronics Engineering Installation Agency, effective 1 January 1961.

UNIT	LOCATION	UNIT MANNING DOCUMENT NUMBER
Operating Location #1	Ottawa, Canada	0000S119412 (PW74)
Operating Location #2	Ent AFB, Colorado	0000S119412 (GP99)
Operating Location #3	Offutt AFB, Nebraska	0000S119412 (PL31)
Operating Location #4	Scott AFB, Illinois	0000S119412 (TR57)
Operating Location #5	Kelly AFB, Texas	0000S119412 (KW31)
Operating Location #6	Inglewood, California	0000S119412 (KD31)

2. Personnel and personnel allotments will be furnished from, resources under control of the Commander, GEEIA.

3. Authority: Letter ROAMA, Establishing Operating Locations, 8 Apr 60.

II. DESIGNATION OF OPERATING LOCATIONS OF THE EASTERN GEEIA REGION.

1. The following Operating Locations of the Eastern GEEIA Region are designated and established as indicated, with assignment to the Ground Electronics Engineering Installation Agency, effective 1 January 1961

UNIT	LOCATION	UNIT MANNING DOCUMENT NUMBER
Operating Location #1	Olmsted AFB, Pa.	0000S135973 (P015)
Operating Location #2	Patrick AFB, Florida	0000S135973 (RF31)
Operating Location #3 ANG, 270th Communications Sq	Philadelphia, Pa.	0000S135973 (RK48)
Operating Location #4 ANG, 211th GEEIA Sq	New Cumberland, Pa.	0000S135973 (JE48)
Operating Location #5 ANG, 243d GEEIA Sq	Portland, Maine	0000S135973 (RW74)

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Operating Location #6 ANG, 212th GEEIA Sq	Worcester, Mass.	00008135973 (YC17)
Operating Location #7 ANG, 213th GEEIA Sq	Roslyn, New York	00008135973 (SV65)
Operating Location #8 ANG, 241st GEEIA Sq	Chattanooga, Tenn.	00008135973 (DU75)
Operating Location #9 ANG, 202th Communications Maintenance Sq	Macon, Georgia	00008135973 (EH52)
Operating Location #10 ANG, 214th GEEIA Sq	New Orleans, La.	00008135973 (OV40)

2. Personnel and personnel allotments will be furnished from resources under control of the Eastern GEEIA Region Commander.

3. Authority: Letter ROAMA, Establishing Operating Locations, 8 Apr 60.

III. DESIGNATION OF OPERATING LOCATIONS OF CENTRAL GEEIA REGION.

1. The following Operating Locations of the Central GEEIA Region are designated and established as indicated, with assignment to the Ground Electronics Engineering Installation Agency, effective 1 January 1961.

UNIT	LOCATION	UNIT MANNING DOCUMENT NUMBER
Operating Location #1	Kelly AFB, Texas	00008S5923 (KW31)
Operating Location #2 ANG, 272d Communication Sq	La Porte, Texas	00008135923 (JV48)
Operating Location #3 ANG, 273d Communication Sq	Nederland, Texas	00008135923 (BP24)
Operating Location #4 ANG, 217th GEEIA Sq	Chicago, Illinois	00008135923 (DX07)
Operating Location #5 ANG, 218th GEEIA Sq	Jefferson Barracks, Mo.	00008135923 (KL17)
Operating Location #6 ANG, 266th Communication Sq	Jefferson Barracks, Mo.	00008135923 (KL17)
Operating Location #7 ANG, 205th Communication Maintenance Sq	Oklahoma City, Oklahoma	00008135923 (PN10)
Operating Location #8 ANG, 219th GEEIA Sq	Midwest City, Oklahoma	00008135923 (PN10)

2. Personnel and personnel allotments will be furnished from resources under control of the Central GEEIA Region Commander.

3. Authority: Letter ROAMA, Establishing Operating Locations, 8 April 1960.

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IV. DESIGNATION OF OPERATING LOCATIONS OF THE WESTERN GEEIA REGION.

1. The following Operating Locations of the Western GEEIA Region are designated and established as indicated, with assignment to the the Ground Electronics Engineering Installation Agency, effective 1 January 1961.

UNIT	LOCATION	UNIT MANNING DOCUMENT NUMBER
Operating Location #1	Hill AFB, Utah	0000S135933 (JL66)
Operating Location #2	Norton AFB, California	0000S135933 (PG99)
Operating Location #3	Edwards AFB, California	0000S135933 (FZ99)
Operating Location #4	F.E. Warren AFB, Wyoming	0000S135933 (HJ48)
Operating Location #5	Fairchild AFB, Washington	0000S135933 (GW74)
Operating Location #6	Vandenberg AFB, Calif.	0000S135933 (WF48)
Operating Location #7 ANG, 215th GEEIA Sq	Seattle, Washington	0000S135933 (CG57)
Operating Location #8 ANG, 216th GEEIA Sq	Hayward, California	0000S135933 (JG74)

2. Personnel and personnel allotments will be furnished from resources under control of the Western GEEIA Region Commander.

3. Authority: Letter ROAMA, Establishing Operating Locations, 8 Apr 60.

V. DESIGNATION OF OPERATING LOCATIONS OF THE EUROPEAN GEEIA REGION.

1. The following Operating Locations of the European GEEIA Region are designated and established as indicated, with assignment to the Ground Electronics Engineering Installation Agency, effective 1 January 1961.

UNIT	LOCATION	UNIT MANNING DOCUMENT NUMBER
Operating Location #1	Torrejon, Spain	0000S135943 (WA15)
Operating Location #2	South Ruislip, England	0000S135943 (SW66)
Operating Location #3	Athens, Greece	0000S135943 (AZ76)
Operating Location #4	Ankara, Turkey	0000S135943 (AT48)

2. Personnel and personnel allotments will be furnished from resources under control of the European GEEIA Region Commander.

3. Authority: Letter ROAMA, Establishing Operating Locations, 8 Apr 60.

FOR THE COMMANDER

Clair R. Yaw Sr

CLAIR R YAW SR
CWO W3, USAF
Chief, Administrative Services

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HEADQUARTERS
GROUND ELECTRONICS ENGINEERING-INSTALLATION AGENCY (AMC)
UNITED STATES AIR FORCE
GRIFFISS AIR FORCE BASE, NEW YORK

17 November 1960

GENERAL ORDERS)
NUMBER 3)

SECTIONS

DESIGNATION OF OPERATING LOCATIONS OF 2875TH GEEIA SQUADRON
PACIFIC GEEIA REGION I
DESIGNATION OF OPERATING LOCATIONS OF 2876TH GEEIA SQUADRON
PACIFIC GEEIA REGION II

I. DESIGNATION OF OPERATING LOCATIONS OF 2875TH GEEIA SQUADRON, PACIFIC GEEIA REGION.

1. The following operating location of the 2875th GEEIA Squadron, APO 323, Pacific GEEIA Region is designated and established as indicated with assignment to the Ground Electronics Engineering Installations Agency, effective 1 January 1961.

UNIT	LOCATION	UNIT MANNING DOCUMENT NUMBER
Operating Location #1	Osan AB, Korea, APO 970	2875-R40-409-5(PU75)

2. Personnel and personnel allotments will be furnished from resources under control of the Commander 2875th GEEIA Squadron.

3. Authority: Letter ROAMA, Establishing Operating Locations, 8 Apr 60, and GEEIAR 20-1, Organization and Designation of GEEIA Units, 25 October 1960

II. DESIGNATION OF OPERATING LOCATIONS OF 2876TH GEEIA SQUADRON, PACIFIC GEEIA REGION.

1. The following operating location of the 2876th GEEIA Squadron, APO 74, Pacific GEEIA Region is designated and established as indicated with assignment to the Ground Electronics Engineering Installations Agency, effective 1 January 1961.

UNIT	LOCATION	UNIT MANNING DOCUMENT NUMBER
Operating Location #1	Anderson AFB, Guam, APO 334	2876-R40-409-5(AR82)

2. Personnel and personnel allotments will be furnished from resources under control of the Commander 2876th GEEIA Squadron.

3. Authority: Letter ROAMA, Establishing Operating Locations, 8 Apr 60, and GEEIAR 20-1, Organization and Designation of GEEIA Units, 25 October 1960.

FOR THE COMMANDER:

CLAIR R YAO SR.
CWO W3, USAF
Chief, Administrative Services

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HEADQUARTERS
GROUND ELECTRONICS ENGINEERING-INSTALLATION AGENCY (AFC)
UNITED STATES AIR FORCE
GRIFFISS AIR FORCE BASE, NEW YORK

GENERAL ORDERS)
NUMBER 9)

12 December 1960

SECTIONS

DESIGNATION OF OPERATING LOCATIONS OF HQ GEEIA..... I
DESIGNATION OF OPERATING LOCATIONS OF HQ GEEIA..... II

I. DESIGNATION OF OPERATING LOCATIONS OF HQ GEEIA.

1. The following operating location of Hq GEEIA is designated and established as indicated with assignment to the Ground Electronics Engineering Installations Agency, effective 3 January 1961.

UNIT	LOCATION	UNIT MANNING DOCUMENT NUMBER
Operating Location #7	Norton AFB, California	0000S119412(PG99)

2. Personnel and personnel allotments will be furnished from resources under control of the Commander, GEEIA.

3. Authority: Letter ROAMA, Establishing Operating Locations, 8 April 1960.

II. DESIGNATION OF OPERATING LOCATIONS OF HQ GEEIA.

1. The following operating location of Hq GEEIA is designated and established as indicated with assignment to the Ground Electronics Engineering Installations Agency, effective 15 February 1961.

UNIT	LOCATION	UNIT MANNING DOCUMENT NUMBER
Operating Location #8	L.G. Hanscom Field, Bedford, Massachusetts	0000S119412(JC75)

2. Personnel and personnel allotments will be furnished from resources under control of the Commander, GEEIA.

3. Authority: Letter ROAMA, Establishing Operating Locations, 8 April 1960.

FOR THE COMMANDER:

CLAIR R YAW, SR.
CWO W3, USAF
Chief, Administrative Services

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22 AUG 1960

AFMMX

Role of GEEIA in the Ballistic Missile Program

AMC

1. Within the last 90 days an Air Staff survey and an IG inspection have been made of the GEEIA participation in the Ballistic Missile Program. Both of these surveys reveal the need to increase the effectiveness of GEEIA in supporting the Ballistic Missile Site Activation Program. Of particular importance is the development of a GEEIA organizational structure that will permit the portion of their engineering talent which is devoted to support of the BMD/BMC complex and of the Ballistic Missile Field Offices (Warren AFB, Fairchild, etc), to be completely responsive to the program.

2. The specific recommendation of the IG survey is as follows:

"Establish specific responsibilities for the Ground Electronics Engineering and Installation Agency (GEEIA) in support of the ballistic missile program. This includes coordination with appropriate subordinate commands of AMC and AEDC on initial phases of contractual agreements and acceptances of contracted communications facilities."

3. This Headquarters concurs in this recommendation and requests your Headquarters take appropriate action to place it in effect. Your plan for accomplishment is requested on or before 10 September 1960.

FOR THE CHIEF OF STAFF:

Copy to: GEEIA

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HEADQUARTERS
AIR MATERIEL COMMAND

15 September 1960

GEEIA Relationships in the ICBM Site Activation Task Forces

MAAMA	ROAMA	WRAMA
MOAMA	SAAMA	AMCBMC
OCAMA	SBAMA	WCMR
OOAMA	SMAMA	GEEIA

1. Reference is made to Memorandum of Agreement concerning Site Activation Responsibilities and Organization at The Operational ICBM Sites, dated 11 July 1960.

2. The provisions of the above referenced Memorandum assigning surveillance responsibility for weapon system communications to the AMA Detachment are hereby rescinded and the following is substituted therefor:

a. GEEIA will provide a detachment of personnel under the operational control of the Site Activation Task Force Commander to perform the following:

(1) Supervise all on-site GEEIA operations and provide technical assistance to the SATAF.

(2) Manage intersite installation in accordance with established schedules until over-all weapon system acceptance by the operating command.

(3) Maintain liaison with responsible weapon system communications agencies to assure identification and accomplishment of necessary engineering changes including intra-site for timely weapon system integration.

(4) Make necessary engineering changes to the intersite system to assure over-all weapon system compatibility.

(5) Assure support base telephone plant expansion and/or modification is compatible and in phase with the weapon system requirements.

(6) Provide communications technical assistance for weapon system acceptance.

(7) Insure GEEIA capability to provide short notice interim communications.

b. The Communications Officer, formerly assigned to the AFBMD Field Office, will be assigned as staff communications officer to the SATAF Commanders, responsible for the following:

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(1) Compile and manage SATAF communications requirements.

(2) Monitor integrated contractor communications requirements.

(3) Monitor installation and checkout of weapon system communications sub-systems.

(4) Coordinate integration of communications sub-systems into the over-all weapon system.

(5) Serve as site activation focal point for all communications matters relative to technical changes, schedules, status, interface and relationships.

3. The provisions of Section VII, A, of the Memorandum are applicable for the GEEIA Detachment Commander.

JULIAN H. BOWMAN
Brigadier General, USAF
Chief of Staff

p2 of atch 4

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AFR 26-3/AMC Sup-1

HEADQUARTERS, AIR MATERIEL COMMAND
Wright-Patterson Air Force Base, Ohio
24 May 1960

MANPOWER AUTHORIZATION POLICY AND PROCEDURES

AFR 26-3, 26 January 1959, is supplemented as follows:

1a. The allocation of AMC manpower resources is based on approved installation manpower operating programs, subject to the limitations of Hq USAF-established ceilings. No contingent reserve of manpower spaces or military grades will be maintained at this Headquarters.

1b. In satisfying additional priority requirements only three alternatives are possible:

(1) Reduce manpower in a lower priority function (at installation level).

(2) Eliminate a lower priority mission (to be nominated by field commanders for Hq AMC consideration).

(3) Reprogram manpower resources of the entire Command in consonance with field nominations regarding elimination of lower priority missions.

1c. Prior to submitting a request to this Headquarters for additional manpower which, if approved, would require command reprogramming, each commander will comply with subparagraphs 1b(1) and (2) above.

2d. Command manpower resources will be authorized by the Manpower and Organization Division (MCAF), Hq AMC, on AMC Forms 83, "Table of Manpower Authorization--Military"; 83F, "Table of Manpower Authorization--Military (Continuation Sheet) (Part I)"; 83G, "Table of Manpower Authorization--Military (Continuation Sheet) (Part II)"; 83A, "Table of Manpower Authorization--Civilian (ConUS)"; 83B, "Table of Manpower Authorization--Civilian (ConUS) (Continuation Sheet)"; 83C, "Table of Manpower Authorization--Civilian (Overseas)"; and 83D, "Table of Manpower Authorization--Civilian (Overseas) (Continuation Sheet)." Military authorizations will be specified by grade, AFSC, and rated identification (officer only) on listings attached to the T/MA. The AMC-83- series of forms is authorized for use by field activities.

3a. T/MAs will provide manpower ceilings to field installations for the development of their manpower programs. These programs will form the basis for the AMC Manpower Program (PM), AF-05.

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3b. T/MAs will be issued to immediate subordinate AMC activities by the end of the second month of each fiscal quarter, for the fiscal quarters indicated in paragraph 3b(1), AFR 26-3.

3c. Authorizations will be allocated as follows:

(1) Officer--quantity by grade, AFSC, and rated identification.

(2) Airmen--quantity by grade and AFSC.

(3) Civilian--total by budget program and/or project for U. S. Direct-hire (US-01), Foreign National Direct-hire (02-N), and Foreign National contract personnel (07-N). Local civilian manpower authorizations and assignments of civilian personnel will be made on a budget project, graded and wageboard basis, justified and reported accordingly. Civilian allotments for the first fiscal quarter on a T/MA will be considered as an authorization and is the only period against which civilian employment action and/or commitments may be made, except in instances where actions such as workload transfers are effective during a quarter for which T/MAs are already issued. In such cases, allotment adjustments will be issued on the next T/MA at the beginning of the following quarter.

3d. Civilian authorizations allocated on T/MAs may be augmented as indicated below; however, manpower augmentations will not be reflected in UMDs nor any manpower allotment reporting:

(1) Temporary overstrength and seasonal overhire authorizations authorized by Hq AMC (MCAF) and distributed by the installation manpower and organization activity.

(2) Advance notification by Hq AMC (MCAF) of allotment increases to be confirmed on subsequent T/MAs to permit immediate personnel recruitment.

3e. Military and civilian manpower authorization reporting will agree with categories authorized on the T/MAs and listings attached thereto in effect for the reporting period.

3f. Civilian-assigned strength will not exceed budget project and/or budget program authorization on T/MAs except by the amount of temporary overstrengths and seasonal overhires authorized by Hq AMC.

3g. Manpower allotments authorized on T/MAs will be controlled at installation level through the UMD system.

3.1 REQUESTS FOR CHANGES IN AUTHORIZATIONS (T/MAs):

a. Requests for changes in grade, AFSC and/or budget [illegible]

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...e E-8 or E-...

...Requests for changes will be consolidated and submitted quarterly so as ...ive at Hq AMC (MCAF) between the 1st and 15th of the first month of the fiscal quarter. Requests submitted prior to or separate from the quarterly submission will be returned without action, for resubmission as prescribed herein.

c. Requests for changes will include complete and comprehensive data sufficient to substantiate the change. Requests for officer and airman E-8 and E-9 changes must include the position or duty title and position control number.

d. Approved actions related to requests for changes submitted in compliance with paragraphs 3.a, b, and c above, will be effected on the next T/MA. Civilian changes may be effective the first succeeding quarter in which T/MAs are issued, while approved military changes will not be effective until the third succeeding quarter to coincide with the military personnel assignment cycle. For example, if the approved requests for changes received in July (1/61) and reflected on the T/MA issued in August, civilian changes may be effective 1 October (2/61), while military changes will be effective 1 April (4/61).

4. Hq AMC Data Services Division (MCCS) will compile the command "Report of Military Authorizations (RCS: 5-AF-P2)," and "Quarterly Report of AMC Military and Civilian Personnel (RCS: AMC-04)" from summary cards forwarded by field installations.

5. EFFECT ON AMCR 26-3. AFR 26-3 and this supplement supersede the provisions of paragraphs 1 through 4 of AMCR 26-3, 9 September 1955.

FOR THE COMMANDER:

ERNEST L. WALTERS
Colonel, USAF
Chief, Administrative Services

OFFICIAL

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AIR FORCE REGULATION
NO. 20-17

*AFR 20-17

DEPARTMENT OF THE AIR FORCE
WASHINGTON, 9 JULY 1958

ORGANIZATION—GENERAL

Ground Electronics Engineering-Installation Agency (GEEIA)

	Paragraph
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How GEEIA Is Organized and Staffed	3
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Responsibilities of AFIR's or Construction Agencies	8
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This regulation establishes and assigns the Air Force mission with respect to the engineering, installation, and management functions incident to installing ground electronics equipment, facilities and systems. It sets up the Ground Electronics Engineering-Installation Agency (GEEIA) under the Commander, Rome Air Force Depot (RAFD); describes the mission of GEEIA; tells how the agency will be organized and staffed; and assigns responsibility for its operation.

1. Definitions. The following definitions apply to this regulation:

a. *Ground Electronics.* All radio, wire, and other electrical devices used to transmit and receive intelligence; all radar and radiating aids to aircraft control and navigation; meteorological equipment; radiating countermeasures and related radiation, reradiation; and electronic devices installed at a ground location to perform a specific function as a fixed or mobile facility.

b. *Ground Electronics Facility.* A grouping of ground electronic equipment that is designed to perform a specific function at a specific location and can be interconnected with facilities at other locations.

c. *Ground Electronics System.* Two or more physically separated but interdependent and interrelated electrical devices or facilities, complete with supporting structures and services. They can be interconnected with related devices and are needed to perform a clearly defined function in support of the Air Force mission.

d. *Systems Engineering.* Applying engineering and implementation effort to the determination of time phasing, techniques, equipment, engineering and installation standards, specifications, locations, and supporting structures and services, in order to insure within and among systems the technical and schedule compatibility needed to provide a directed operational capability. (This effort is incident to the function of installing ground electronic equipment. It does not include the design and development engineering associated with research and development.)

e. *Field Engineering.* Integrating and applying to specific facilities or sites systems engineering criteria and standards based on engineering evaluation of local geographical, technical, and operating requirements.

f. *Installation.* Preparing the site and assembling, positioning, wiring, connecting, and testing technical components in accordance with installation standards and specifications so as to satisfy the operational requirement.

g. *Standard.* Establishes engineering and technical limitations and applications for items, materials, processes, methods, designs, and engineering-installation practices. This provides for functional and physical interchangeability of parts, components, sub-assemblies, and equipments, and for compatibility of items of equipment in their own or related systems.

h. *Technical Components.* Include, but are not limited to:

(1) Telephone switchboards, instruments, terminal panels and intercommunications, and public address system stations or speakers.

(2) Cable and wire (excluding internal building electrical wire or outlets).

*This regulation supersedes AFR 66-5, 28 January 1953.

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d. Give GEEIA information on the programming status of supporting structures and services items in the Military Construction Program and their operations and maintenance programs.

e. Provide administrative and logistic support for GEEIA subordinate activities stationed or assigned for duty on bases and stations under their jurisdiction in accordance with AFR 11-4.

f. To insure systems integrity and compatibility, prohibit personnel under their jurisdiction from changing or relocating fixed ground electronics equipment without approval of GEEIA.

6. Responsibilities of RAFD. The Commander, RAFD, will:

a. Be the focal point and have complete authority and full management responsibility for all prime commodity logistic aspects of the ground electronics program worldwide.

b. Exercise command jurisdiction over GEEIA and provide administrative and logistical support for the mission activities of GEEIA.

7. Responsibilities of GEEIA. Under Commander, RAFD, GEEIA will:

a. Provide technical advice and assistance to Headquarters USAF and major operating commands in the development of operational requirements and ground electronics concepts and plans.

b. Develop and administer the fixed installation portion of the USAF communications-electronics support program (CSP), which will identify:

(1) All USAF-approved ground electronics plans.

(2) Each of the various program elements which must be made available to provide the complete facility or system listed, including electronic equipment, supporting structures and services, test equipment, engineering-installation, flight test services, etc.

(3) The budget program and fiscal requirements for each program element.

(4) The responsible agency and the availability date for each program element, in order to meet the established operational date.

(5) The estimated date of acceptance of each programmed facility, based on continuous evaluation and analysis of progress toward established operational dates.

(6) Dollar costs of system engineering and special planning studies being conducted by GEEIA for Headquarters USAF.

(7) Other information needed to manage the ground electronics program.

c. Give Headquarters USAF and major operating commands periodic summary information; indicate the status of program elements; point up factors delaying the program; and recommend corrective action.

d. When requested by Headquarters USAF evaluate unprogrammed operational requirements and indicate the impact approval of these requirements would have on the total fixed ground electronics program; answer such requests immediately, as they may involve major program changes and require significant diversions of allocated Air Force resources.

e. Conduct continuous program review and coordination with commands or agencies having prime responsibility to insure that all related elements meet the program schedule.

f. With respect to supporting structures and services:

(1) Develop requirements for inclusion in standard Air Force drawings in instances where repetitive type C-E facilities are required; submit requirements to:

Director of Installations
Headquarters USAF
Washington 25, D. C.

for publication as Air Force standards. Standards will be developed in conjunction with the operating commands to include all requirements for equipment, operation, maintenance, supply, and personnel facilities needed within the technical facility.

(2) Provide requirements data, in phase with Military Construction programming and design cycles, to be used as a basis for programming supporting structures. Such data include real estate, access roads, building space, power and utility requirements, and information on special needs caused by unusual or complex design features resulting from peculiar technical components or geographical conditions.

(3) Monitor the status of the Military Construction Program and minor construction programs of major commands as they relate to programmed ground electronics facilities or systems. This will insure that supporting structures are available on time.

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(4) Coordinate closely with Air Force Installations Representatives (AFIR's) during preliminary and final design work, to insure that technical siting and criteria are available on a timely basis and that construction design and real estate acquisition are adequate and compatible to support the programmed ground electronic facility or system.

(5) Provide technical assistance to the AFIR's or construction agency in the inspection or contract supervision of those elements of work directly related to installation of technical components of the facility.

(6) Furnish base real property accountable officers with pertinent equipment nomenclature, drawings, and other information required to establish and maintain real property records of supporting structures.

g. Perform systems engineering-installation in collaboration with appropriate research and development agencies, including the following specific functions:

(1) Provide for high quality user-to-user (instrument-to-instrument) transmission of intelligence or data, using electrically interconnectable terminal stations with a degree of quality (and security where appropriate) that will not fall below a predetermined standard level established for the integrated system.

(2) Achieve essential compatibility of equipment and circuitry within any class of communications-electronics services, including speech, telegraph facsimile, telephoto, data, etc.

(3) Provide flexibility required for modernization, expansion, maintenance, and operation.

(4) Provide uniformity of equipment and installation, including supporting structures.

(5) Establish standards (including Standard Facility Equipment Lists—SFEL's) for transmission, engineering, installation, and testing.

(6) Determine equipment and related technical requirements needed to modify and/or change existing facilities or systems to meet approved operational requirements.

(7) Where equipment is required and unavailable, take appropriate action, consistent with program requirements, to resolve the deficiency.

(8) Participate in service test programs appropriate to its mission as requested by ARDC to help determine when equipment under development is acceptable for service use and ready for integration into the system. (This includes all ground electronic equipment, including security devices, involving system compatibility.)

h. Submit estimates for the cost of ground electronics engineering and installation in accordance with established procedures.

i. Submit to appropriate supply agencies annual forecasts of materials required for approved relocation of facilities. Also, submit annual requirements for modernizing or rehabilitating outside plant base wire and telephone and antenna systems, and inside plant wiring and cabling.

j. Perform field engineering and installation of ground electronic facilities and systems involving establishment, modernization, relocation, rehabilitation, and removal.

k. Allocate workload to field offices on the basis of capability, and deploy resources to meet emergency requirements.

l. Develop and maintain a capability in ground electronic field offices to deploy E-I resources (personnel, tools, minor equipment, and installation hardware items) to satisfy urgent operational requirements.

m. Determine when contract augmentation for engineering and installation is required. If it is required:

(1) Prepare work specifications.

(2) Provide technical advice and assistance to the contracting officer.

(3) Supervise work performed by the contractor to insure adherence to work specification.

(4) Participate in the evaluation of completed work to insure fulfillment of technical specifications.

n. Determine, in conjunction with Headquarters USAF, those equipments, facilities, and systems to be "procured installed" from the prime equipment manufacturer. When items are procured in this manner, take action outlined in m above, keep informed of the program, and give assistance needed to insure timely completion of field engineering work, submission of supporting structure requirements, and adequate coordination between the contractor, AFIR or con-

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AFR 20-17
7-10

8. Responsibilities of AFIR's or Construction Agencies. AFIR's or construction agencies will:

a. Furnish preliminary and final design data to GEEIA for review and approval. For design and construction design and real estate agreements, furnish GEEIA copies of all correspondence, plans, and specifications.

b. Invite GEEIA experts to participate in conferences with contractors, engineering consultants, and equipment manufacturers.

9. Direct Communication Authorized. [illegible] Corps of Engineers (SAED, GEEIA) [illegible] USAF [illegible] MAAG's and military mission officers and other [illegible]

10. Provisions To Be Outlined in Manual. Procedures [illegible]

By Order of the Secretary of the Air Force:

THOMAS D. WHITE
Chief of Staff

OFFICIAL:

J. L. TARR
Colonel, USAF
Director of Administrative Services

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ROZC/75208 2 AUG [illegible]

Manning of ROAMA/GEEIA Field Office at Hq SAC

Major William D. Coates (DOCEPP)
Hq Strategic Air Command
Offutt Air Force Base, Nebraska

Dear Major Coates

1. I have been advised by several members of Hq GEEIA who have visited your directorate that you would like the latest information available as to the probable date that the ROAMA/GEEIA Field Office at Hq SAC will be manned.

2. This subject has been one of considerable interest to both your directorate and mine over a rather extended period of time. Present status is that General Neal and General McDavid discussed the matter some time ago and General McDavid agreed to furnish a qualified field grade communications officer from SAC resources in view of GEEIA's austere manning picture. To date nothing further has developed, although I believe General Neal and General McDavid have discussed the subject upon several occasions subsequent to their initial conversation.

3. I am as anxious as you to see GEEIA get "in business" at Hq SAC since results achieved at the three locations where our field offices are in operation have proven that they have more than paid their way already.

Sincerely

JOE P. WALTERS
Colonel, USAF
Director, Plans and Programs

COMMANDERS READ FILE COORD W/ROZC, ROZA, ROZ

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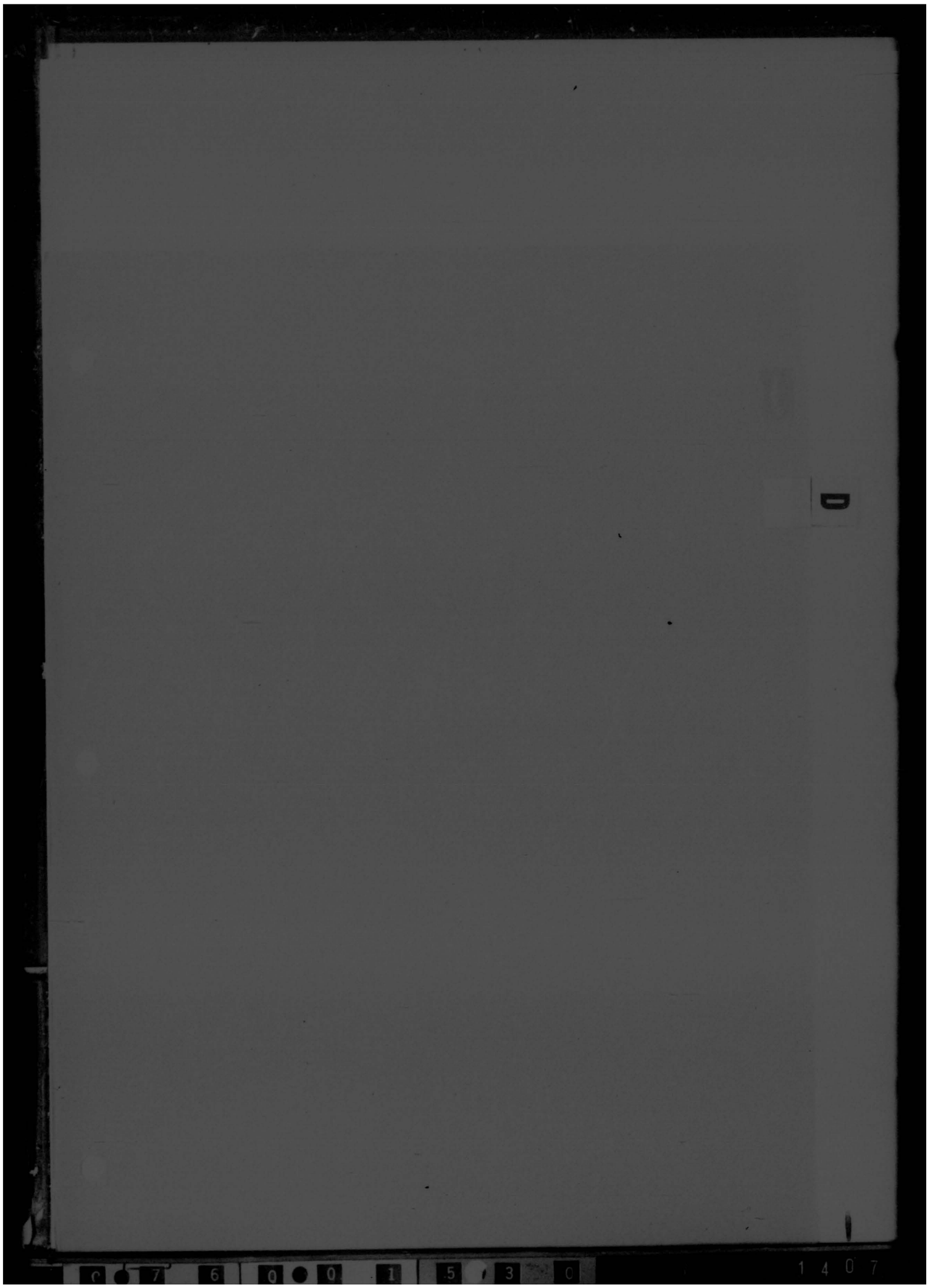

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14 OCT 1960

ROZCA/79113

C-E Engineering-Installation Schedule (RCS: ROAMA-H1)

SAC (DOCPP)

1. Reference is made to letter from this Headquarters dated 3 August 1960, Subject: ROAMA-H1 Report. This Headquarters has revised the C-E Engineering-Installation Schedule and Status Reporting System in an effort to satisfy the requirements of our "customers" for timely and accurate information on their C-E programs.

2. The revised reporting system will be implemented 1 November 1960, and will include the following reports to your Headquarters:

a. A Quarterly Command Summary Report (RCS: ROZ-H3) will be furnished your Command in narrative form, and will provide program status, any factors delaying the program, and corrective action being taken to correct the delay.

b. Host and Using Command E-I Schedule and Status Reports (RCS: 3 ROAMA-H1). The Host Command report will be a tabulation by command, base, facility, and operational date. The Using Command report will be a tabulation by CEIP, host command, base and facility. These reports will contain pertinent C-E scheme information and schedule milestones as follows:

(1) Scheme Designator

(2) SPEL package and quantity

(3) BOD/SOD milestone

(4) Current operational date

(5) Schedule installation completion date

(6) Current implementation phase

(7) Time phasing status

(8) Remarks

(9) Narrative scheme description

COMMANDER'S READ-FILE

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The format of these reports has been changed in an effort to enhance readibility. Three copies of those reports will be forwarded to your headquarters on a monthly basis.

c. Special E-I reports will be forwarded on an "as required" basis, to inform Commands of any changes to the schedule which forecast a delay in the completion of a C-E facility by the current operational date.

d. Your subcommands will be furnished E-I Schedule and Status report information by our ZI Regional Headquarters, providing this requirement can be satisfied by their supporting statistical services activities. In this reporting area, GEEIA is dependent completely upon its host base for data processing support.

3. GEEIA Regulation 100-5 is being revised to implement the new reporting system outlined above. Copies of GE IAR 100-5 will be forwarded your Headquarters approximately 15 October 1960.

FOR THE COMMANDER

JOE P. WALTERS
Colonel, USAF
Director, Plans and Programs

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Director, Plans and Programs

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*GEEIAR 100-5

GEEIA REGULATION
NO. 100-5

HEADQUARTERS, GROUND ELECTRONICS
ENGINEERING-INSTALLATION AGENCY
Griffiss Air Force Base, New York
6 October 1960

Communications-Electronics

COMMUNICATIONS-ELECTRONICS ENGINEERING-INSTALLATION SCHEDULE REPORTING SYSTEM

	Paragraph
Scope	1
Reporting Objectives	2
General	3
General Reporting Instruction	4
Special E-I Reports (RCS: ROZ-H4)	5
Command Summary Reports	6
Command E-I Schedule and Status Reports	7
Reports Control Symbol	8
Security Classification	9
Availability of Forms	10

PURPOSE. To establish the C-E engineering-installation schedule and status reporting system.

1. SCOPE. GEEIA Worldwide and Data Services supporting Hq GEEIA and Regions.

2. REPORTING OBJECTIVES:

a. To provide GEEIA Regions and Hq GEEIA with the engineering-installation schedule and pertinent status information of programmed C-E schemes.

b. To provide Hq GEEIA and major operating commands timely information on schedule changes affecting completion of a facility by the required operational date.

c. To provide major operating commands periodic summary information indicating the status of program elements, factors delaying the program and corrective action in progress.

3. GENERAL. This reporting system represents an integrated structure in which the information furnished to all levels of management is tied together and becomes more condensed as higher levels of management are reached. This system includes the following reports:

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*This Regulation supersedes GEEIAR 100-5, dtd 8 Feb 60.
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DISTRIBUTION: A; X; (Continued on page 6)

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a. Regional E-I Schedule and Status Reports are printed on GEEIA Form 1(6) and contain information essential to Regional Management.

b. GEEIA E-I Schedule and Status Reports are printed on GEEIA Form 1(6) and contain information required at Hq GEEIA which represents a consolidation of certain information contained in Regional E-I Schedules and Status Reports.

c. Using Command Summary Reports are formal narrative summaries on a program basis for major operation commands and contain information on program status, delaying factors and corrective action in progress.

d. Host Command E-I Schedule and Status Reports contain pertinent information reflected in GEEIA E-I Schedule and Status Reports pertaining to all installations assigned to each Major Air Command.

e. Using Command E-I Schedule and Status Reports contain pertinent information reflected in the GEEIA E-I Schedule and Status Reports pertaining to all schemes originated for use by the using command on all their installations plus those on which they are tenants.

f. Special E-I Reports are narrative reports issued to using commands containing information on deficiencies that may cause delinquencies in meeting the current operational date of facilities.

4. GENERAL REPORTING INSTRUCTION:

a. GEEIA Regions will submit to the applicable statistical services activity schedule information on new schemes and schedule/status changes on GEEIA Forms 1A and 1B or on Flexowriter 8 Channel tape on a daily basis.

b. In accordance with AMCM 171-1, the statistical services activity supporting each GEEIA Region will:

(1) Forward to ROAMA, ATTN: ROCS, on a monthly basis:

a. Complete PCAM card decks of the Regional E-I Schedule

b. The monthly PCAM Analysis File

c. The monthly PCAM Scheme Historical File

d. Two copies of printouts of each of the above

These monthly PCAM product submissions shall be as of the last calendar day of the month for ZI GEEIA Regions and as of the 25th day of the month for overseas GEEIA Regions. PCAM card decks shall be in the sequence prescribed by AMCM 171-1. PCAM products and printouts are due as soon as possible but not later than the eighth calendar day of the following month.

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(2) Forward to Hq GEEIA, Attn: ROZI, in accordance with AMCM 171-1, one copy of the Regional E-I Schedule on GEEIA From 1(6) on a monthly basis. Report cutoff and due dates will be as cited in paragraph 5b(1) for PCAM products.

(3) Forward to the Region monthly Regional E-I Schedules, additional break-outs and special analyses that may be required by Regional Headquarters.

c. In accordance with AMCM 171-1, ROAMA Data Processing Division will:

(1) Forward to each major air command three (3) copies of the pertinent Command E-I Schedule and Status Report on a monthly basis. These reports will be forwarded as soon as possible but not later than the 14th calendar day of the month.

(2) Forward to Hq GEEIA, Attn: ROZI, monthly analyses of the GEEIA E-I Schedule (RCS: 2 ROAMA-H1) as well as any special analyses of break-outs that may be required.

d. Regional E-I Schedule Reports (RCS: 1 ROAMA-H1) and/or PCAM products will be furnished to sub-command and/or Air Division within the capability of the Statistical Services supporting the GEEIA Regions.

5. SPECIAL E-I REPORTS (RCS: ROZ-H4):

a. In addition to the regular recurring E-I Schedule and Status Reports, this special report will be used to supply information on deficiencies that may cause delinquencies in completion of a C-E Scheme by the current operational date.

b. Reports on all slippages of scheme installation completion dates and associated remarks codes will be forwarded to Hq GEEIA, Attn: ROZI, via airmail by the Regions. Reports will be forwarded on Friday of each week. A copy of the form used by the Region to submit changes to their statistical services unit will be used for this report. Urgent problems will be submitted by electrical communications and confirmed on the weekly report.

c. Changes of this nature will be reported to major operating commands by Hq GEEIA when deemed necessary.

6. COMMAND E-I SUMMARY REPORTS (RCS: ROZ-H3):

a. The Command E-I Summary Report will advise major operating commands that work on specific C-E programs is proceeding as planned; it identifies problems beyond the scope of GEEIA's responsibility, and it notifies commands of changes in status of their programs.

b. Special E-I information, described in paragraph 6, will be confirmed in this summary.

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c. Any known areas of potential difficulty will be reported and the course of action to be taken will be indicated or recommended. This report must coincide with the appropriate data in E-I Schedule and Status Reports. Where slippage of a scheduled completion target date has occurred, a brief narrative explanation of the reason for the slippage will be furnished.

d. Areas of command responsibility such as the Military Construction Program and allied support requirements that require command action will be reported and recommendations will be indicated.

e. These reports will be prepared and forwarded by Hq GEEIA to pertinent commands on a quarterly basis.

7. COMMAND E-I SCHEDULE AND STATUS REPORTS (RCS: 3 ROAMA-H1). These reports will include the following schedule and status information pertaining to each major air command:

a. Scheme Designator

b. SFEL Identifier and Quantity

c. BOD/SSD Milestone

d. Current Operational Date

e. Scheduled Installation Completion Date

f. Current Implementation Phase

g. Time Phasing Status

h. Remarks

i. Narrative Scheme Description

8. REPORTS CONTROL SYMBOL:

a. RCS: 1 ROAMA-H1 is assigned to Regional E-I Schedule and Status Reports and associated PCAM Products.

b. RCS: 2 ROAMA-H1 is assigned to GEEIA E-I Schedule and Status Reports, Analysis, and Associated PCAM Products.

c. RCS: 3 ROAMA-H1 is assigned the Host Command and Using Command E-I Schedule and associated PCAM Products.

d. RCS: ROZ-H3 is assigned to Command E-I Summary Reports.

e. RCS: ROZ-H4 is assigned to Special E-I Reports.

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9. SECURITY CLASSIFICATION. Security classification of reports, analyses and statistical products developed in accordance with this regulation will be unclassified.

10. AVAILABILITY OF FORMS. GEEIA Form 1(6) will be requisitioned on AF Form 124 from:

Commander
Rome Air Materiel Area
Attn: PDO 4045 (ROEPM)
Griffiss AFB, New York

Only GEEIA activities may requisition GEEIA Form 1(6). Local reproduction of GEEIA Forms 1A and 1B is authorized.

FOR THE COMMANDER:

CLAIR R. YAW, SR.
CWO, W3, USAF
Chief, Administrative Services

5 Attachments

1. C-E Engineering Installation Schedule
   Pt 1. E-I Schedule Instructions
   Pt 2. Sample of GEEIA Form 1(6)

2. Scheme/Job Order Designators
   Pt 1. Scheme Designator
   Pt 2. Job Order Designator
   Pt 3. Major Air Command Codes

3. Preparation of GEEIA Form 1A
   Pt 1. Preparation of GEEIA Form 1A
   Pt 2. Sample of GEEIA Form 1A

4. Preparation of GEEIA Form 1B
   Pt 1. Preparation of GEEIA Form 1B
   Pt 2. Sample of GEEIA Form 1B

5. Base or Site Codes

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	Cys
Air Defense Command, Ent AFB, Colorado Springs, Colo.	15
Eastern Air Defense Force, ATTN: EAME-P, Stewart AFB, NY	15
Central Air Defense Force, ATTN: CDOCE-A, Richards-Gebour AFB, Mo.	15
Western Air Defense Force, ATTN: WDOCE-P, Hamilton AFB, Calif.	15
Air Materiel Command, ATTN: , WPAFB, Ohio	33
MCMTC (10 Cys) MCAOCR (3 Cys)	
MCM (10 Cys)	
MCLES (5 Cys)	
LMDN (5 Cys)	
Air Research and Development Command, Andrews AFB, Wash 25, DC.	15
Air Training Command, Randolph AFB, Texas	30
Air Proving Ground, Elgin AFB, Florida.	15
Alaskan Air Command, APO 942, Seattle, Wash	15
Air University, Maxwell AFB, Florida.	10
Caribbean Air Command, APO 82, NY, NY	10
Continental Air Command, Mitchell AFB, NY	15
Hq USAF, Wash 25, DC.	20
Attn: AFOAC (10 Cys)	
AFMEE (10 Cys)	
United States Air Force, Europe, APO 683, NY, NY.	15
Pacific Air Force, APO 953, San Francisco, Calif.	15
Military Air Transport Service, Scott AFB, Ill.	15
AACS, Scott AFB, Ill.	15
NORLANTAACS Rgn, Westover AFB, Mass	5
AWS, Scott AFB, Ill	15
Strategic Air Command, Offutt AFB, Nebraska	15
Second Air Force, Barksdale AFB, La	15
Eighth Air Force, Westover AFB, Mass.	30
Fifteenth Air Force, March AFB, Calif	15
1st Missile Div, Vandenberg AFB, Calif ATTN: DOCEC	5
Sixteenth Air Force, APO 283, NY, NY, ATTN: DOCEP-2.	5
Seventh Air Division, APO 241, NY, NY, ATTN: DOCEP	5
Third Air Division, APO 334, NY, NY, ATTN: DOC	5
3902 Air Base Wing, Offutt AFB, Neb	5
30th Air Division (SAGE), Truex Field, Wisconsin.	5

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COMMUNICATIONS-ELECTRONICS ENGINEERING-INSTALLATION SCHEDULE
GEEIA FORM 1(6)

The purpose of this attachment is to provide a general explanation of the Communications-Electronics Engineering-Installation Schedule

Part 1. Explanation of the Communications-Electronics Engineering-Installation Schedule

Part 2. GEEIA Form 1(6)

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COMMUNICATIONS-ELECTRONICS ENGINEERING-INSTALLATION SCHEDULE

1. The purpose of this attachment is to provide instructions for the preparation of C-E Engineering-Installation Schedule and Status Reports.

2. Scheduling C-E requirements entails relating E-I actions to a required operational date for each scheme, and calls for the adjustment of manpower and funding capacities according to the workloads depicted in C-E programming documents. In actual practice the Region will work the time phasing problem by starting with the required operational date and work back in time to determine pertinent milestones for each C-E scheme. The E-I schedule will include a listing of all C-E schemes constituting the GEEIA workload and relate scheme implementation phases with time.

3. A schedule thus established will provide the Region with the information necessary to:

a. Determine that portion of the workload which can be accomplished with organic capability.

b. Ascertain which jobs must be accomplished by commercial contract.

c. Workload engineering and installation activities.

d. Implement E-I actions necessary for the accomplishment of the C-E workload by specified operational dates.

4. The importance of meeting programmed operational completion dates cannot be overemphasized. All possible actions necessary to assure timely scheme completion must be undertaken to preclude slippages. Only after all possible courses of action have been exhausted will reprogramming and re-scheduling actions be initiated.

5. In thinking about schedules one improtant fact should be kept in mind. The value of a schedule does not stem from the fact that is cannot be changed. An E-I schedule is an estimate, in detail, of a future situation. When delays are recognized as inevitable it is imperative that the impact of such delays be evaluated and that new forecasts of milestones be depicted in the schedule. Each E-I Schedule and Status Report will be updated monthly.

C-E ENGINEERING-INSTALLATION SCHEDULE

The C-E Engineering-Installation Schedule will be prepared and maintained by GEEIA Regional Headquarters. The instructions listed below are intended to clarify definitions and standardize data.

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GEEIAR 100-5
Attachment 1
Part 1

Column 1. Priority: For Regional use only.

Column 2. Scheme Designator: Enter the complete scheme designator assigned to requirements reflected in the PCSP, Base Wire and Telephone System Development Schedule and other authoritative documents. This column may be used for job order designators at Regional level for local use. Detailed explanation of scheme and job order designators is contained in Attachment No. 2.

Column 3. Current Operational Date: Enter the quarter and FY reflected in the latest PCSP or other authoritative document. The current operational date and the original operational date of the scheme designator will be identical until such time as reprogramming action has resulted in the establishment of a new operational date. (Reprogrammed operational dates will be entered at the time of Region coordination on a command initiated AF Form 524). The current operational date for outside plant schemes will be the same as the required operational date reflected in the Base Wire and Telephone System Development Schedule. Current operational date for scheme amendments will be the same as the date for the basic scheme.

Column 4. SFEL: There will be a maximum of seven (7) SFEL's listed for each scheme. When more than seven (7) SFEL's are associated with any one scheme, an amended scheme designator, or designators, will be assigned for the additional SFEL's.

Column 4a. SFEL Package: Enter one of the following:

a. Pertinent SFEL as shown in the PCSP.

b. Appropriate number of lines for Central Office inside plant telephone schemes.

c. The word "Station" for public address or intercom systems.

d. The phrase "Add Mat" for amendments requiring additional minor items.

e. The non-applicable code "9" for outside plant schemes and a concise but specific explanation of scheme requirement such as "cable from Central Office to SAC maintenance area" will be included in the D card.

f. Nomenclature of specific equipment when a SFEL is not applicable.

g. The non-applicable code "0" for any scheme not covered by the above categories.

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Column 4B. SFEL Quantity: The quantity required of each item listed.

Column 5. Ops Plan Received Date: Enter the month, quarter and FY that the approved Site Concurrence Letter was received from the appropriate command.

Column 6. BOD/SSD Date: Enter the month, quarter and FY in which buildings or other construction will be completed to a point that will permit occupancy by an installation team and/or supporting structures and services will be available for the purpose of installing C-E equipment. Reference is made to the definitions of BOD and Supporting structures and Services delineated in Section I of T.O. 31-1-8.

Column 7. Budgetary Data: For Regional use only.

Column 8. Base or Site: For Regional use only.

Column 9. Engineering Data:

Column 9A. Engineering Manhours: For Regional use only.

Column 9B. Engineering Completion Date: Enter the month, quarter and FY that scheme engineering should be completed in light of supply lead time, installation time and the required operational date. This date will not change unless the ROD is changed by reprogramming action.

Column 9C. Engineering Method: This will indicate whether engineering is performed by organic personnel, to include assigned CTS personnel, (Code "1"); commercial contract (Code "2"). Commercial contract engineering may be further categorized to denote engineering performed by "on-call Type I" contract personnel (Code "3").

Column 9D. Percentage of Engineering Completion: For Regional use only.

Column 10. Date Forwarded to GEEIA: A three (3) digit entry showing the month, quarter, and fiscal year that the engineered scheme is forwarded to Hq GEEIA. To be left blank until scheme is forwarded.

Column 11. Date BOM Published: Enter the month, quarter and FY that CESAC publishes the Bill of Materials.

Column 12. CESC Number: Enter the last four digits of the C-E Supply Directive number assigned by CESAC.

Column 13. Material:

Column 13A. Date Material Required: Enter the month, quarter and FY that materials are required on job site in light of installation time and required operational date.

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Column 13B. Date Material Available/Received: Enter the month, quarter and FY that all materials are estimated to be available on job site. This will be an estimated date until all materials are received, at which time this entry will reflect the actual date that materials were received.

Column 14. Installation Data:

Column 14A. Installation Start Date: Enter the month, quarter and FY that scheme installation is scheduled to start. This will be an estimated date until installation has been started, at which time this entry will reflect the actual installation start date.

Column 14B. Installation Manhours: For Regional use only.

Column 14C. Installation Completion Date: Enter the month, quarter and FY that the scheme is scheduled to be installed. This will be an estimated date until no additional effort is required for completion of the Installation Inspection Certificate or exceptions thereon, at which time this entry will reflect the actual completion date. Normally, this date estimate will be the same as the current operational date; however, it will be changed to reflect a realistic completion date on the basis of material availability, BOD, SSD, manpower and fund availability.

Column 14D. Percent (%) Complete Date: For Regional use only.

Column 14E. Installation Method: The numeral 1, 2 or 3 will be entered in this column. The numeral "1" will denote that installation is to be performed by organic personnel. The numeral "2" will denote that installation is to be performed by commercial contract. The numeral "3" will denote that installation is to be performed by organic personnel and commercial contract.

Column 15. Installation Certificate Date: The use of this column changed from printed title to estimated engineering completion date. Enter an estimate of the month, quarter, and FY that the engineered scheme will be forwarded to Hq GEEIA. After scheme is forwarded and a date appears in column 10, this column may be used by Regions for Engineering Tab B.

Column 16. Remarks Code: The remarks code will indicate scheme time phasing status, current implementation phase and a pertinent remark.

Time Phasing Status: The first portion of the remarks code will reflect time phasing status relative to the current operational date as follows:

- 1 - On Schedule. This will denote that the scheme will be completed by current operational date.

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- 2 - Delinquent. This will indicate that the scheme will not be completed by the current operational date.

- 3 - Anticipated Delinquent. This will denote that the lead-time available for completion of the scheme or balance of scheme may be insufficient for completion by the current operational date.

- 4 - Security Service Scheme. This is a special coding for Security Service schemes.

Implementation Phase: The second portion of the remarks code will reflect one of the following phases of a scheme:

- 1 - Engineering. This phase starts upon approval of a programming action (CEIP, CEIPA, AF Form 524, etc.) and normally ends when the engineered scheme is forwarded to GEEIA.

- 2 - Supply. This phase follows the engineering phase and normally ends when all scheme materials are available at the job site.

- 3 - Installation. This phase follows the supply phase and ends when IIC's. have been executed or when IIC exceptions have been corrected.

- 4 - Held in Abeyance. Abeyant scheme pending cancellation, pending firm requirement, per base or command request, for Military Construction Program, etc. will be considered to be in the "Held in Abeyance Phase".

- 5 - Plant-in-Place Records. This phase follows the installation phase and ends when plant-in-place records have been completed and distributed.

Implementation Phase Status. The third portion of the remarks code is reserved for Regional use to record time phasing status relative to implementation phases.

Pertinent Remarks. The fourth portion of the remarks code will amplify schedule and status information reflected in other portions of the remarks code and/or the time phased schedule.

-00- No corrective action required.

-01- New scheme (will only appear for the first month)

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-02- Approved programmed operational date does not allow sufficient lead time for engineering, supply and installation.

-03- Regional programming and scheduling delays

-11- Awaiting siting concurrence

-12- No operational or utilization plan

-13- Awaiting engineering standards

-14- Lack of technical data

-15- Change inoperational requirements

-16- Insufficient manpower

-18- Lack of building design information

-19- Scheme disapproved, re-engineering required

-20- Building design change

-22- Scheme forwarded, awaiting GEEIA Review

-30- Engineering not completed on schedule (used only during supply and installation phases)

-31- BOM not published

-33- Procurement delays

-37- Non-availability of necessary items

-38- Material shipment delay

-41- Material damaged

-42- Erroneous material shipment

-44- Partial shipment received, awaiting balance

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-45- Material shipping instructions not received

-47- Promised material not provided from Command resources

-50- Lack of special equipment

-51- Insufficient base fund for recurring charges

-60- Building not complete

-61- Supporting structures not complete

-62- Supporting Services not available

-66- Lack of contract funds

-67- Awaiting construction season

-69- Material requires modification

-70- Contractor delays

-81- Equipment physically installed, awaiting systems test

-82- Equipment physically installed, equipment malfunction

-83- Equipment physically installed, awaiting special equipment

-84- Equipment physically installed, awaiting flight check

-85- Installation complete, facility operational , IIC's signed, plant-in-place records not forwarded

-88- Equipment physically installed, operational test completed, awaiting IIC's

-89- IIC's signed with exceptions

-90- Pending cancellation

-92- Pending firm requirement .

-93- Abeyant per base or command request

-94- Abeyant, Military Construction Program

-95- Delete, scheme no longer required

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-96- Delete, scheme completed

-99- Delete, administrative change

NOTES: 1. When an entry is not applicable, the figure nine (9) will appear.

2. Schemes categorized in the "Held in Abeyance" phase will not include milestone estimates; previous estimates will be deleted.

3. Reference date such as a concise description of the work required by the scheme and previously assigned scheme designators will be printed on the schedule.

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COMMUNICATIONS ELECTRONICS ENGINEERING INSTALLATION SCHEDULE

1 PRI	2 SCHEME DESIGNATOR																															
					BUDGETARY DATA - P437							ENGINEERING DATA								MATERIAL		INSTALLATION DATA										
CESS OVER DATE	SPEL		OSD PLAN REC'D DATE	BOD SSD DATE	$ REQ'D FY	$ OBLIG TO DATE	TOY SUPP FY	LP SUPP FY	CT SUPP FY	BASE OR SITE	MAN HOURS	COMP DATE	METHOD	% COMP	DATE FORWARDED TO GEEIA	DATE BOM PUBLISHED	CESO NO	DATE REQ'D	DATE REC'D	START DATE	MAN HOURS	COMP DATE	% COMP	METHOD	INSTL CENT DATE	REMARKS CODE	
	PKG	QTY		FY																											
3	4		5	6	7					8	9				10	11	12	13		14					15	16	
	A	B			A	B	C	D	E		A	B	C	D				A	B	A	B	C	D	E			

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SCHEME/JOB ORDER DESIGNATORS

This attachment is to provide detailed instructions for assigning scheme/job order designators to accomplish the USAF Fixed Ground Communications Electronics Program.

Part 1. Scheme Designator

Part 2. Job Order Designator

Part 3. Major Air Command Codes

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EXAMPLE

SCHEME DESIGNATOR

30	H1	GD23	82C04A1	A	0011	001A9	B
1	2	3	4	5	6	7	8

1. This will be a two-digit entry to reflect the original Required Operating Date (ROD), by quarter and fiscal year, which was established for the requirement. This date will not be changed.

2. This will be the code of the Host Major Air Command of the base/site where GEEIA support is required as shown in the PCSP. A list of these codes is contained in Part 3 of this Attachment.

3. This will be the designator code of the base/site where the action is required as shown in the PCSP. A list of these codes is contained in Attachment 5 of this regulation.

4. This will be the alpha-numeric identifier of the approved CEIP which authorized the action. When a scheme is assigned in support of requirements, such as outside plant, the CEIP applicable to the basic equipment being supported will be used. When a scheme designator is assigned prior to the time the CEIP identifier is available, the space provided for the CEIP identifier will be left blank until available at which time it will be inserted through GEEIA Form 1B action. The following is an explanation of the CEIP format using 82C04A1 as the example:

8 - All items required to support the requirement are in the Fiscal Year 58 buy.

2 - The mission category of the requirement. (1 is Strategic, 2 is Air Defense, 3 is tactical, and 4 is other)

C - Distinguishes one system or function from another within a mission category. (A - Ballistic Missile, B - AIRCOM, C - Sac Communications, etc., as defined in the PC Instructions.)

04 - The element into which the system or function has been sub-divided (See the PC Instructions)

A - The Command or Agency submitting the CEIP

1 - The number of the amendment which has been added to the original CEIP

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5. This will be the commodity code applicable to the requirement of the scheme. The authorized commodity codes are:

CODE	DESCRIPTION
A	Inside Plant
H	Interference and Radiation Hazards
B	Outside Plant
C	Other Communications
D	Commercial Leased IP Facilities
E	Commercial Leased OP Facilities
F	Other Comm Facilities
M	Meteorological
K	Crypto
N	Navigational Aids
P	Public Address
Q	Commercial Leased Public Address
R	Radio
S	Special Systems
T	Instrumentation
X	Guidance Control and Detection
Z	Cadin

6. This will be the facility number applicable to the scheme requirements as reflected in the PCSP. When a scheme is assigned to support the requirements of a facility, such as outside plant, the facility applicable to the basic equipment will be used.

7. This will be the serial number of the scheme comprised of three components:

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a. The first four digits will be a sequential number by GEEIA Region assigned consecutively. At the start of each fiscal year the serial number for each Region will begin anew with 0001. The serial for schemes will not be integrated with Job Order serial numbers. Separate registers will be maintained.

b. The second component of the serial number will be an alphabetic entry to indicate that the scheme is a basic scheme, an amendment, or a scheme for removal of equipment. The letter "A" will indicate it is a basic scheme the letters B, C, D, etc., will indicate the first, second, third, etc., amendments to the basic scheme. The letter "R" will be used for all schemes established for the removal of equipment which is not to be reinstalled on the same base/site.

c. The third component of the serial number will be single digit to indicate the fiscal year in which the scheme designator was assinged, i.e., 9 for FY59, 0 for FY60, 1 for FY61, etc.

8. This will be the alphabetical identifier assigned to each GEEIA Region. The alphabetical identifier of the Region responsible for the completion of the scheme will be used. The authorized GEEIA Region codes are:

NEW CODE	GEEIA REGION
B	Eastern
C	Ottawa/Field Offices
D	Central
G	Western
K	Pacific
L	Europe

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EXAMPLE

JOB ORDER DESIGNATOR

00	H1	GD23	0000000	0	0000	0001W9	B

OR

00	H1	GD23	0000000	N	2242	0001W9	B
1	2	3	4	5	6	7	8

1. The first element will always be two zeroes.

2. Elements 2 (Command Code), 3 (Base/Site Code), and 8 (Region Code) will be assigned in the same manner as that prescribed for the corresponding elements of the scheme designator.

3. Element 4 (CEIP Identifier) will normally be seven zeroes. CEIP identifiers may be used for job orders when work is related to CEIP's.

4. Elements 5 (Commodity Code) and 6 (Facility Number) will be assigned as prescribed for the corresponding elements of the scheme designator if applicable. If not applicable, one zero will be used in the Commodity Code space and four zeroes will be used in the Facility Number space.

5. Element 7 (Serial Number) will be assigned in the same manner as that prescribed for the corresponding elements in the scheme designator except that a "W" will be inserted to indicate job order.

NOTE: The serial numbers assigned to Job Orders will not be integrated with those assigned to schemes. Separate registers will be maintained.

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COMMAND CODES
(EXTRACTED FROM AFM 171-5, SC2)

COMMAND SYMBOL	COMMAND	LOC	NEW CODE
AAC	Alaskan Air Command	O/S	A2
ADC	US Air Force Academy	Z/I	B1
ADC	Air Defense Command	Z/I	C1
ADC	Air Defense Command	O/S	C2
AFE	US Air Force	O/S	D2
AFU	US Air Force Europe (Operating In US)		
AFN	Air Force Accounting and Finance Division	Z/I	E1
AMC	Air Materiel Command	Z/I	F1
AMO	Air Materiel Command	O/S	F2
APG	Air Proving Ground	Z/I	H1
ARD	Air Research and Development	Z/I	H1
ARO	Air Research and Development	O/S	H2
ATC	Air Training Command	Z/I	J1
AU	Air University	Z/I	K1
AUO	Air University	O/S	K2
CAC	Caribbean Air Command	O/S	L2
CNC	Continental Air Command	Z/I	M1
CNO	Continental Air Command	O/S	M2
HAF	Headquarters USAF	Z/I	N1
HAO	Headquarters USAF	O/S	N2
HCC	Headquarters Command, USAF	Z/I	P1

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COMMAND SYMBOL	COMMAND	LOC	NEW CODE
HQO	Headquarters Command, USAF	O/S	P2
MTC	Military Air Transport Service	Z/I	Q1
MTO	Military Air Transport Service	O/S	Q2
PAF	Pacific Air Force	O/S	R2
SAC	Strategic Air Command	Z/I	S1
SAO	Strategic Air Command	O/S	S2
TAC	Tactical Air Command	Z/I	T1
TAO	Tactical Air Command	O/S	T2
USS	USAF Security Service	Z/I	U1
USO	USAF Security Service	O/S	U2

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PREPARATION OF GEEIA FORM 1A

1. The purpose of this attachment is to provide instructions for preparation of the GEEIA Form 1A, Source Document for Communications Electronics Engineering-Installation Schedule. This form is required for the initial input of schemes and job orders into the ROAMA H-1 Report and to effect changes which cannot be accomplished by a GEEIA Form 1B.

2. The use of GEEIA Form 77 is authorized with Flexowriter input in lieu of the GEEIA Form 1A.

Part 1. Preparation of GEEIA Form 1A

Part 2. GEEIA Form 1A (SAMPLE)

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PREPARATION OF GEEIA FORM 1A

BLOCK HEADING

PRIORITY (2 - 3)

SERIAL NO (2) — A one (1) digit numerical filed used as the high order position of the serial number portion of the scheme designator. The figure zero (0) will appear when the serial number is less than 1000. When the scheme serial number is greater than 999 the figure "1" will be entered for the next thousand serial numbers, then "2" for the following thousand, etc.

ENGINEERING CODE (3) — A one (1) digit numerical field.

SCHEME DESIGNATOR (4-29) — A twenty-six (26) digit numeric block.

PCSP OPERATIONAL DATE (4-5) — A two (2) digit numerical field. The first digit must always be a 0 through 4 and the second digit a 0 through 9.

COMMAND CODE (6-7) — A Two (2) digit field. The first digit is alphabetic and the second always a numeric digit either "1" or "2".

BASE CODE (8-11) — A four (4) digit field. The first two (2) digits are alphabetic and the last two (2) are numeric.

CEIP NUMBERS (12-18) — A seven (7) digit field.* If the entire CEIP is unknown, leave blank.

COMMODITY CODE (19) — A one (1) letter entry as shown in Part 1, Attachment 2, of this regulation. An entry will always appear in this field.

FACILITY NUMBER (20-23) — A four (4) digit entry

*NOTE: If the FY Buy (first element) and the amendment number (last element) are not applicable or unknown, the spaces provided for these elements will be left blank.

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SERIAL NUMBER (24-28) — A five (5) digit entry comprised of three components.

(24-26) — A three (3) digit entry reflecting the numerical portion of the serial number assigned to the scheme. For numbers greater than 999, the first digit will be entered in the column 2 Field. (Complete serial number will appear as one unit on the schedule.)

(27) — A one (1) letter entry.

(28) — A one (1) digit numeric entry showing the fiscal year the scheme designator was assigned, i.e., 9 for FY-59, 0 for 60, etc.

GEEIA REGION (29) — A one (1) letter entry indicating the Region geographically responsible for the base/site.

CURRENT OPERATIONAL DATE (30-31) — A two (2) digit numerical field. This field will always contain two (2) digits.

CARD A

BASE OR SITE (32-34) — A maximum of three digits (numeric or alphabetic) may be used.

SFEL DESIGNATOR (35-43) — This entry is limited to nine (9) digits. Entries may be alphabetic or numeric as required to comply with Part I of Attachment 1.

QTY (44-45) — This entry will be limited to two (2) digits. Zero will be entered to indicate non-applicable.

OPS PLAN REC'D (46-48) — A three (3) digit numeric entry representing a month, quarter and fiscal year. If information is not known, or not yet received, insert the figure (0). When not applicable insert the figure 9.

BUDGETARY DATA TOTALS (49-73) — Budgetary data may be inserted. If the whole entry is not applicable, or no dollars are required in any of the fields, insert the figure 9 in the TDY Support Field (59-63) and insert a zero (0) in each of the other fields of the block. When budgetary data is reflected, insert a zero (0) in the fields not applicable.

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NOTE: Budgetary data may be listed on the Schedule by fiscal years, with a maximum of three fiscal years listed. The data will be listed on four (4) vertical lines of the Schedule; the first line will reflect the total dollars required for each particular column; the following three lines will show a break-out of funds by fiscal year. The fiscal year will be a two digit entry and will be shown on lines 2,3, and 4 of Column 6 of the schedule. All columns in Block 7 may be completed for the amount of P437 funds required. Due to space limitations, it is essential that the last digit in the actual dollars required, in each column, be eliminated, e.g. $10 will be listed as 1, $100 as 10, $50 as 5, $50,000 as 5,000 etc.

BOD/SSD
(74-76)

A three (3) digit numerical entry representing a month, quarter and fiscal year. When not applicable, insert the figure 9. If unknown, or not available, insert the figure zero (0)

CESD NUMBER
(77-80)

A four (4) digit numeric entry. When CESAC is not required to provide material, insert the figure 9. If unknown or not available, use the figure zero (0).

CARD B

ENGINEERING DATA BLOCK
(32-42)

An eleven (11) digit numeric block. If entire block is not applicable enter the digit nine (9) in the Method of Engineering field (39) and a zero (0) in the remaining fields.

MANHOURS FIELD
(32-35)

A four (4) digit numeric field.

COMPLETION DATE FIELD
(36-38)

A three (3) digit numeric entry indicating month, quarter and fiscal year. If unknown or not applicable enter zero (0).

METHOD ENGR. FIELD
(39)

A one (1) digit numeric filed. The numerals "1", "2", or "3" will be used except when the entire engineering data block is not applicable.

PERCENTAGE OF ENGR. COMPLETION FIELD
(40-42)

A three (3) digit numeric entry.

DATE FORWARDED GEEIA
(43-45)

A three (3) digit numeric block indicating month, quarter and fiscal year. If not applicable, enter the digit nine (9); if unknown enter zero (0).

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DATE BOM PUBLISHED (46-48)

A three (3) digit numeric block indicating the month, quarter and fiscal year. If unknown enter the digit zero (0); if not applicable enter the digit nine (9).

MATERIAL DATA BLOCK (49-54)

Numeric entry. When the entire block is not applicable insert the figure 9 in the Date Required Field and a zero (0) in the Date Received Field.

DATE REQUIRED FIELD (49-51)

Three (3) numeric digits representing a month, quarter and fiscal year.

DATE RECEIVED FIELD (52-54)

A three (3) digit entry showing a month, quarter, and fiscal year. If unknown or non-applicable insert a zero (0).

INSTALLATION DATA BLOCK (55-69)

Numeric entry. When the entire block is not applicable insert the numeric digit 9 in the Completion Date field (63-65) and zero (0) in the remaining fields.

START DATE FIELD (55-57)

A three (3) digit numeric entry indicating month, quarter and fiscal year. If unknown or not applicable, enter a zero (0).

MANHOUR FIELD (58-62)

A five (5) digit numeric entry.

COMPLETION DATE FIELD (63-65)

A three (3) digit numeric entry indicating month, quarter and fiscal year. If unknown or not applicable enter a zero (0).

PER CENT COMPLETED FIELD (66-68)

A three (3) digit nureric entry.

METHOD OF INSTALLATION FIELD (69)

A one (1) digit numeric entry. (1), (2), or (3) will be inserted in this block when installation data is applicable.

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INSTALLATION CERTIFICATE DATE (70-72)

New estimated engineering completion date. Enter month, quarter, and FY it is estimated that the engineering will be completed and scheme forwarded to Hq GEEIA. When scheme is forwarded and a date appears in column 10, this column may be used by Regions for Engineering Tab B.

CARD C

Utilized only when additional SFEL or optional budgetary FY Data are entered. A maximum of six (6) different SFEL's and/or three (3) fiscal years can be entered on this card. When SFEL data only is entered, a zero (0) will be inserted in each field of the Budgetary Data (Fiscal Year) block adjacent to the SFEL entires. When Budgetary Data only is reflected, the digit nine (9) will be inserted in the quantity field of the SFEL block adjacent to the Budgetary Data entries. Lines not required to reflect data will be left blank; i.e., if only line 1 is required, lines 2 through 6 will be left blank, etc.

TRAILER CARD NUMBER (34)

As printed on GEEIA Form 1A.

SFEL DATA BLOCK (35-45)

An eleven (11) digit entry. If not applicable, leave SFEL Designator (35-43) block blank and enter nine (9) in Qty Field (44-45).

SFEL DESIGNATOR FIELD (35-43)

A nine (9) digit entry and will be used as prescribed in Part I, Attachment 1 of this regulation.

QUANTITY FIELD (44-45)

A two (2) digit numeric entry.

BUDGETARY DATA BLOCK (47-73)

A twenty-seven (27) numeric digit field. It may be used to show Regional financial requirements. Enter the amount of P437 monies in tens of dollars, i.e., 9 equals $90. If not applicable, enter a zero (0) in each field.

FISCAL YEAR FIELD (47-48)

A two (2) digit numeric field. Enter the fiscal year in which funds listed are required, i.e., (60) 1960; (61) 1961; etc.

REQUIRED $ FIELD (49-53)

A five (5) digit numeric field. This field will be the sum of TDY $ Support, L.P. $ Support and CT $ Support for the applicable fiscal year.

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$ OBLIGATED TO DATE FIELD (54-58) — A five (5) digit numeric field. If not known insert a zero (0).

TDY $ SUPPORT FIELD (59-63) — A five (5) digit numeric entry. If not known or not applicable enter a zero (0).

LP $ SUPPORT FIELD (64-68) — A five (5) digit numeric entry. If not known or not applicable enter a zero (0).

CT SUPPORT FIELD (69-73) — A five (5) digit numeric entry. If not known or not applicable enter a zero (0).

NOTE: The total amount of the entries in REQ (49-53), OBLIG (54-58), TDY SUPP (59-63), LP SUPP (64-68), and CT SUPP (69-73) should equal the amount in the equivalent block in the Budgetary Data Totals (49-73) in card code A.

CARD D

REFERENCE DATA (32-65) — This is a thirty-four (34) digit field. This card will be used to provide additional information such as scheme designators which may have been previously assigned to the scheme; a concise description of the work required by the scheme and brief remarks which are deemed essential for management.

GENERAL INFORMATION: All dates in this report refer to fiscal rather than calendar periods.

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SOURCE DOCUMENT FOR COMMUNICATIONS ELECTRONICS ENGINEERING INSTALLATION SCHEDULE

PRIORITY (2–3)		SCHEME DESIGNATOR (4–29)								CURR OPR DATE (30–31)
SER #	ENGR	PE OD 4–8	COMC 9–10	BASE (8–11)	CEIP (12–19)	TYP	FAC # (20–23)	SER # (24–28)	REG 29	

CARD CODE (1)	BASE OR SITE (32–34)	SFEL DESIGNATOR (35–43)	QTY (44–45)	OPR PLAN REC (46–48)
A				

BUDGETARY DATA TOTALS

TOTAL $ REQ (49–53)	OBLIGATED TO DATE (54–58)	TDY SUPPORT (59–63)	LOC PUR SUPP (64–68)	C.T. SUPPORT (69–73)

BOD AND SSD (74–76)	CESD NUMBER (77–80)	

CARD CODE (1)	ENGINEERING DATA BLOCK				DATE FWD GEEIA (43–45)	BOM PUB DATE (46–48)
	MANHOURS (32–53)	COMP DATE (36–38)	METHOD (39)	% COMP (40–42)		
B						

MATERIAL DATA		INSTALLATION DATA				
DATE REQ (49–51)	DATE REC (52–54)	START DATE (55–57)	MANHOURS (58–62)	COMP DATE (63–65)	% COMP (66–68)	METHOD (69)

INSTL CERT DATE (70–72)	REMARKS (73–77)	

NOTE: Information for "C" card will be filled out when more than one (1) SFEL package (end item) and, or Budgetary Data FY is utilized.

CARD CODE (1)	SFEL DESIGNATOR (35–43)		QTY (44–45)		BUDGETARY DATA (Fiscal Year)					
	(34)			(46)	(47–48) Fy	REQ (49–53)	OBLIG (54–58)	TDY SUPP (59–63)	L.P. SUPP (64–68)	C.T. SUPP (69–73)
C	1			0						
	2			0						
	3			0						
	4			0	47–73 (Zeros) Line 4–6 Col 34					
	5			0						
	6			0						

NOTE: Information for "D" card will only be filled out when scheme has been previously established under old system.

CARD CODE (1)	OLD SCHEME DESIGNATOR (32–65)
D	

GEEIA FORM 1A MAY 59 — PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

Part 2, Attachment 3, 6 Oct 60, to GEEIAR 100-5

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PREPARATION OF GEEIA FORM 1B

1. The purpose of this attachment is to provide guidance and standard procedures for completing the GEEIA Form 1B, Change Information for Communication Electronics Engineering Installation Schedule. These instructions are based on the May 1959 edition of the GEEIA Form 1B. All previous editions are obsolete and should be destroyed as soon as possible.

2. GEEIA Form 1B will be used to change all elements of data in the Communications Electronics Engineering Installation Schedule except the Original Required Operation Date, the Host Major Air Command Code, the Base/Site Designator Code, the Commodity Code, the Facility Number, the Serial Number, and the GEEIA Region Code of the scheme designator; the Base or Site block; and the information contained in Card Code D. In order to change any of these elements in the Schedule, a GEEIA Form 1B must be submitted to delete the scheme with the incorrect data and a complete GEEIA form 1A must be submitted to re-insert the scheme with the correct data.

3. The use of GEEIA Form 77 is authorized with Flexowriter input in lieu of the GEEIA Form 1B.

Part 1. Preparation of GEEIA Form 1B

Part 2. GEEIA Form 1B (SAMPLE)

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PREPARATION OF THE GEEIA FORM 1B

HEADING

PRIORITY (2-3), SCHEME DESIGNATOR (4-29), and CURR OPR DATE (30-31) will always be filled in with the identical information that appears in the latest run of the Communication-Electronics Engineering-Installation Schedule for the corresponding blocks.

BODY OF THE DOCUMENT

The column number printed on the form corresponds to the column numbers on the GEEIA Form 1(6). The Block Numbers printed on the form serve as the first digit of the Change Code and will not be re-entered. The second digit of the Change Code is the code applicable to the change being made and will be inserted in Change Code Column (34) on each line where a change is being made. For columns which are divided into more than one field (e.g., Column 7, Fields A, B, C, D and E; Column 9, Fields A, B, C and D) the change information will be inserted in the affected field only. Unaffected fields will be left blank. For those columns which are not subdivided, the change information will be inserted in Field A. For those columns which are to be coded non-applicable, the appropriate change code will be entered on the appropriate line in Change Code Column (34) and the field affected will be left blank. The following is a list of the authorized change codes and specific instructions.

PRIORITY (COLUMN 1 - BLOCK A)

Code	Field Affected (ENGR (3) Field only)
AØ	Change - Use Field A only If to be changed, enter Ø in the change code Column (34). Enter new priority in Field A.

CEIP (COLUMN 2 - BLOCK H)

Code	Field Affected
H1	Change - List CEIP identifier in Field 35-43 leaving the non-applicable spaces, if any, blank. If to be changed enter the numeral 1 in the Change Code Column (34). Insert new or corrected CEIP identifier in Field 35-43.

CURRENT OPR DATE (COLUMN 3 - BLOCK B)

Code	Field Affected
BØ	Change - Use Field A only If to be changed, enter Ø in the change code column (34). Enter new current operational date in Field A.

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OPR PLAN REC (COLUMN 5 - BLOCK C)

Code	Field Affected
CØ	Change - Use Field A only
C1	Not applicable - No Field Entry If to be changed, enter Ø in the Change Code Column (34). Enter new date in Field A. If to be changed to non-applicable, enter the numeral 1 in the Change Code Column (34) only.

POD AND/OR SSD (COLUMN 6 - BLOCK D)

Code	Field Affected
DØ	Change - Use Field A only
D1	Not applicable - No Field entry if to be changed, enter Ø in the Change Code Column (34). Enter new date in Field A. If to be changed to non-applicable, enter the numeral 1 in the Change Code Column (34) only.

CESD # (COLUMN 12 - BLOCK E)

Code	Field Affected
EØ	Change - Use Field A only
E1	Not applicable - No Field Entry If to be changed, enter Ø in the Change Code Column (34). Enter new CESD number in Field A. If to be changed to non-applicable enter the numeral 1 in the Change Column (34) only.

BUDGETARY DATA (COLUMN 7 - BLOCK F)

Field A - Total Dollars Required
Field B - Total Dollars Obligated to Date
Field C - TDY Support
Field D - LP Support
Field E - CT Support

Code	Field Affected	Code	Field Affected	Code	Field Affected
FØ	Full Block Change	F2	Field B only	F4	Field D only
F1	Field A only	F3	Field C only	F5	Field E only

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Code	Field Affected	Code	Field Affected	Code	Field Affected
F6	Field A and B	FE	Field A,C,D,E	FN	Field B,C and D
F7	Field A,B, and C	FF	Field A,C,E	FP	Field B,C,D,E
F8	Field A,B,C,D	FG	Field A and D	FQ	Field B,C and E
F9	Field A,B,D,E	FH	Field A,D,E	FR	Field B,D and E
FA	Field A,B,C,E	FJ	Field A and E	FS	Field C and D
FB	Field A,B,D	FK	Field B and C	FT	Field C and E
FC	Field A and C	FL	Field B and D	FU	Field C,D,E
FD	Field A,C,D	FM	Field B and E	FV	Field D and E
				FW	Not applicable-No field Entry (card code A only)
				FX	Field A,B,C

This column has four vertical lines. The top line in this column will be used for changes in the Budgetary Data Totals. The next three lines will be used for changes in the Fiscal Year breakdown of the budgetary requirements. A change code will be entered in the change code column (34) on <u>each</u> line which is to reflect a change. The appropriate fiscal year will be entered in the space provided between the Change Code Column (34) and Field A at the beginning of each of the last three lines which are to reflect a change. If a complete change is to be made in all fields of any one line, enter Ø in the Change Code Column (34) and insert the changes in Fields A,B,C,D and E. For other variations consult the applicable codes and fields affected as listed above. When changing the Fiscal year enter Ø in the Change Code Column (34) and complete the full line. Fields not affected will be left blank. For example:

	FIELD				
CHANGE CODE (34)	A (46-50)	B (51-55)	C (56-60)	d (61-65)	E (66-70)
Ø	825	250	300	350	175

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CHANGE CODE

7	60	450	150	150	**(200)	**(100)
D	61	200	**(50)	50	100	**(50)
H	62	175	**(50)	**(100)	50	25

** Items on the explanation chart in parentheses ( ), are figures appearing on the Installation Schedule which were not subject to change. They are included in this illustration for the purpose of showing a "balanced budget" i.e., Field C, D, and E equaling Field A in any given line and the totals of the FY breakdown equaling the Budgetary Data Totals in any given column. However, these spaces would be left blank on the GEEIA From 1B.

EXPLANATION of Change Code Entries above:

LAST DIGIT IN CODE (From Illustration)

Ø Indicates complete change in all fields

7 Indicates change in Fields A, B, and C

D Indicates change in Fields A, C, and D

H Indicates change in Fields A, D, and E

SFEL DATA (COLUMN 4 - BLOCK G)

SFEL Package

Quantity

Code	Field Affected
GØ	Package and Quantity
G1	Package only
G2	Quantity only

This column has seven vertical lines with a line number printed on each line (00 through 06). These line numbers correspond to the line numbers of the SFEL designators and quantities as they appear in the Communications Electronics Engineering Installation Schedule. Changes being made in this column will be made on the same line number as the line number of the affected SFEL designator and/or quantity where it appears in the Communications Electronics Engineering Installation Schedule; i.e., if the SFEL designator and/or quantity of the entries in line 0 and 4 of the Schedule are to be changed, the changes will be reflected on lines 00 and 04 of this form.

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Lines 01, 02, 03, 05 and 06 would be left blank. In the event a SFEL designator is to be added to a scheme, the SFEL designator and quantity will be entered on the first line number which has not been utilized for the scheme, i.e., if the fifth SFEL is to be added to the scheme it will be added on line number 04 of this form. In the event a SFEL designator is to be deleted from a scheme, the change code Ø will be entered in the Change Code Column (34) on the applicable line number and the SFEL IDENT (35-43) and QTY (46-50) will be left blank. If both the SFEL designator and quantity are to be changed, enter Ø in the Change Code Column (34), enter the new SFEL designator in SFEL IDENT (35-43) and the new quantity in QTY (46-50) on the applicable line number. If SFEL Designator only is to be changed enter the numeral 1 in the Change Code Column (34) and enter the new SFEL designator in SFEL IDENT (35-43) on the applicable line number. If Quantity only is to be changed, enter the numeral 2 in the Change Code Column (34) and enter the new quantity in QTY (46-50) on the applicable line number. The same procedure applies if changes are to be made to more than one line entry in this conlum. Unaffected fields will be left blank.

ENGINEERING DATA (COLUMN 9 - BLOCK 1)

Field A - Engineering Manhours
Field B - Engineering Completion Date
Field C - Method of Engineering
Field D - Per Cent Engineering Completed

Code	Field Affected	Code	Field Affected
1Ø	Full Block Change	18	Field A and C
11	Field A only	19	Field A, C and D
12	Field B only	1A	Field A and D
13	Field C only	1B	Field B and C
14	Field D only	1C	Field B, C and D
15	Field A and B	1D	Field B and D
16	Field A, B and C	1E	Field C and D
17	Field A, B and D	1F	Not applicable - No field Entry

If a complete change is to be made in all fields, enter Ø in the Change Code Column (34) and insert the changes in Fields A, B, C and D. For other variations consult the applicable Codes and Fields as listed above. Unaffected fields will be left blank.

DATE FWD GEEIA (COLUMN 10 - BLOCK 2)

Code	Field Affected
2Ø	Change - Use Field A only
21	Not applicable - No field Entry

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If to be changed, enter Ø in the Change Code Column (34). Enter change in Field A. If to be changed to non-applicable, enter the numeral 1 in the Change Code Column (34) only.

BOM PUB DATE (COLUMN 11 - BLOCK 3)

Code	Field Affected
3Ø	Change - Use Field A only
31	Not applicable - No Field Entry

If to be changed, enter Ø in the Change Code Column (34). Enter new information if Field A. If to be changed to non-applicable, enter the numeral 1 in the Change Code Column (34) only.

MATERIAL DATA (COLUMN 13 - BLOCK 4)

Field A - Date Required
Field B - Date Received

Code	Field Affected
4Ø	Full Block Change
41	Field A only
42	Field B only
43	Not applicable - No Field Entry

If both fields are to be changed, enter Ø in the Change Code Column (34) and enter the new dates in Fields A and B. If the "Date Required" only is to be changed, enter the numeral 1 in the Change Code Column (34) and enter the new date in Field A, leaving Field B blank. If the "Date Received" only is to be changed, enter the numeral 2 in the Change Code Column (34) and enter the new date in Field B, leaving Field A blank. If both fields are to be changed to non-applicable, enter the numeral 3 in the Change Code Column (34) only.

INSTL DATA (COLUMN 14 - BLOCK 5)

Field A - Installation Start Date
Field B - Installation Manhours
Field C - Installation Completion Date
Field D - Per Cent Installation Completion
Field E - Method of Installation

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Code	Field Affected	Code	Field Affected
5Ø	Full Block Change	5G	Field A and D
51	Field A only	5H	Dield A, D and E
52	Field B only	5J	Field A and E
53	Field C only	5K	Field B and C
54	Field D only	5L	Field B and D
55	Field E only	5M	Field B and E
56	Field A and B	5N	Field B, C and D
57	Field A, B and C	5P	Field B, C, D and E
58	Field A, B, C and D	5Q	Field B, C and E
59	Field A, B, D and E	5R	Field B, D and E
5A	Field A, B, C and E	5S	Field C and D
5B	Field A, B and D	5T	Field C and E
5C	Field A and C	5U	Field C, D and E
5D	Field A, C and D	5V	Field D and E
5E	Field A, C, D and E	5W	Not applicable - No field entry
5F	Field A, C and E	5X	Field A, B and E

If a complete change is to be made in all fields, enter Ø in the change Code Column (34) and insert the changes in Fields A, B, C, D and E. For other variations consult the applicable Codes and Fields Affected as listed above. Unaffected fields will be left blank.

INSTL CERT DATE (COLUMN 15 - BLOCK 7)

Code B	Field Affected
7Ø	Change - Use Field A only
71	Not applicable - No Field Entry If to be changed, enter Ø in the Change Code Column (34) and enter the new date in Field A. If to be changed to non-applicable, enter the numeral 1 in the Change Code Column (34) only.

REMARKS (COLUMN 16 - BLOCK 8

Code	Field Affected
8Ø	Change - Use Field A only If to be changed enter O/ in the Change Code Column (34) and insert the new remark in Field A.

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GEEIAR 100-5
Attachment 4
Part 1

NARRATIVE REMARKS (CARD CODE D)

Whenever a change is desired in the Narrative Remarks (Card Code D) and it is desired to use GEEIA Form 1B only, the following procedure will be followed:

1. Insert all controlled information (columns 2-31) pertaining to the scheme affected on the face of the document.

2. Write the work "over" plainly at the bottom of the face of this document.

3. Write all data which is desired to be reflected in the narrative remarks for the scmeme on the reverse side of the document.

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CHANGE INFORMATION FOR COMUNICATIONS ELECTRONICS ENGINEERING INSTALLATION SCHEDULE

PRIORITY (2-3)	SCHEME DESIGNATOR (4-28)									CURR OPR DATE (30-35)
SER # (2)	ENGR (3)	RC OD (4-5)	COMD (6-7)	BASE (8-11)	CEIP (12-18)	TYP (19)	FAC # (20-23)	SER # (24-28)	REG (29)	

NOTE: Blocks with one (1) field use field "A". Blocks with more than one (1) field use corresponding field.
STAT USE ONLY: Transaction indication X "Punch Col 72". NOTE #1: One (1) transaction card per block designated.

COLUMN NO	BLOCK NO (71)	CHANGE CODE (34)	FIELD (44-45)	A (46-50)	B (51-55)	C (56-60)	D (61-65)	E (66-70)
PRIORITY 1	A		00					
CEIP # 2	H		00	35-43				
CURRENT OPR DATE 3	B		00					
OPR PLAN REC 5	C		00					
BOD AND OR-SSD 6	D		00					
CESD # 12	E		00					
BUDGETARY DATA 7	F		00					
SFEL DATA 4	G		SFEL IDENT (15-43)			LINE NO (44-45) 00	QTY (46-50)	51-70 ZEROS
						01		
						02		
						03		
						04		
						05		
						06		

COLUMN NO	BLOCK NO (33)	CHANGE CODE (34)	FIELD (44-45)	A (46-50)	B (51-55)	C (56-60)	D (61-65)	E (66-70)
ENGR DATA 9	1		00					
DATE FWD GEEIA 10	2		00					
BOM PUB DATE 11	3		00					
MATERIAL DATA 13	4		00					
INSTL DATA 14	5		00					
INSTL CERT DATE 15	7		00					
REMARKS 16	8		00					

GEEIA FORM 10 MAY 59 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

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BASE OR SITE CODES*

The purpose of this attachment is to provide the designator code, host command, and location of the bases and sites as reflected in the FCSP; the GEEIA region geographically responsible for each of these bases and sites; and, the 3-digit code which is authorized for use in the Base/Site Code column of the Communications Electronics Engineering Installation Schedule if desired. These codes are those reflected in AFM 171-5 corrected to 1 August 1960.

*NOTE: The pages in this attachment have been double-spaced with one alpha to a page to facilitate insertion of new codes as they are assigned.

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PCSP CODE	HOST CMD	COMD CODE	BASE OR SITE AND LOCATION	RESP GEEIA REGION	3-DIGIT CODE
AA31	PAF	R2	Abashiri RST, Japan	Pacific	
AC20	ADC	C1	Adair AFS, Albany, Oregon	Western	ADA
AC31	AAC	A2	Adak Naval Sta/Davis, Adak Island, Alaska	Western	ADA
AD42	ACC	G1	Aero Chart/Info Cen, St Louis/2nd & Arsenal, Mo	Central	ACI
AD64	ARD	H1	Air Force Ballistic Mis Div, Hq, California	Western	
AD82	AFC	F1	AF Plant #4, Fort Worth, Texas	Central	AF4
AE66	AFC	F1	AF Plant #17, Seattle, Washington	Western	A17
AG74	MTO	Q2	Agana NAS, Guam Island, Maris	Pacific	AGA
AH19	ADC	C1	Aiken AFS, Aiken, S. C.	Eastern	159
AH25	AFC	E1	Air Finance Div., Denver, Colorado	Central	AFD
AH90	AFC	F1	Akron AFFO, Akron/Buchel, Ohio	Eastern	AKR
AJ82	CAC	L2	Albrook AFB, Balboa, Canal Zone	Central	ALB
AK31	AFE	D2	Alconbury RAF, Alconbury, England	Europe	ALC
AK83	SAC	S2	Alert Weather Sta, Ert/NWT, Canada	Eastern	ALE
AN04	ADC	C1	Almaden AFS, Almaden, California	Western	M96
AN99	SAC	S1	Altus AFB, Altus, Oklahoma	Central	ALT
AO48	ATC	J1	Amarillo AFB, Amarillo, Texas	Central	AMA M88
AR42	ADC	C2	Anchorage DEW RRL, Alaska	Western	

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FCSP CODE	HOST CMD	COMD CODE	BASE OR SITE AND LOCATION	RESP GEEIA REGION	3-DIGIT CODE
AR45	ARD	H1	Eglin TSI D-4, Anclote, Fla	Eastern	DO4
AR82	SAO	S2	Andersen AFB, Guam Island, Mar	Pacific	AND
AS43	AFE	D2	Andravida AB, Greece	Europe	
AS57	HQC	P1	Andrews AFB, Camp Springs, Md	Eastern	ADW
AT48	AFE	D2	Ankara, Ankara, Turkey	Europe	ANK
AU66	ADC	C1	Antigo AFS, Antigo, Wisc	Central	P19
AU99	AAC	A2	Anvil Mountain AFS, Alaska	Western	
AW17	ATC	J1	Ardmore AFR, Ardmore, Okla	Central	ARD
AX48	ADC	C1	Arlington Hts., Arlington Heights, Ill	Central	R31
AX66	ADO	C2	Armstrong Air Sta, Armstrong/Ontario Canada	Eastern	C15
AY10	AFE	D2	Arrentieres Microwave Anx, Arrentieres, France	Europe	ARR
AX82	ARD	H1	Arnold Engineering Dev Center, Tullahoma, Tenn	Eastern	ARN
AY82	PAF	R2	Ashiya AB, Ashiya, Japan	Pacific	ASH
AZ40	AFE	D2	Asmara Apt, Erita	Europe	
AZ44	PAF	R2	Asoiwayama Air Sta, Shikotsu, Japan	Pacific	ASO
AZ76	AFE	D2	Athenai APT, Athens, Greece	Europe	ATH

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PCSP CODE	HOST CMD	COMD CODE	BASE OR SITE AND LOCATION	RESP GEEIA REGION	3-DIGIT CODE
BC03	AFE	D2	Aubigny Radio Relay Site, Aubigny, France	Europe	AUB
BC52	AFE	D2	Auenhausen, Germany	Europe	
BD99	AFE	D2	Aviano AB, Aviano, Italy	Europe	AVI
BE44	SAC	S1	Avon Park AFRGE, Avon Park, Florida	Eastern	AVO
BG16	ADC	C2	Baffin Island Air Sta, Baffin Island, Canada	Eastern	C31
BH03	CNC	M1	Bakalar AFB, Columbus, Indiana	Eastern	BAK
BH18	ADC	C1	Baker AFS, Baker, Oregon	Western	L49
BH48	ADC	C2	Baldy Hughes Air Station, Prince George/BC, Canada	Western	C20
BI75	AFE	D2	Bambergerhof Rad Rel Site, Bambergerhof Germany	Europe	BAM
BJ45	AFE	D2	Bann Air Sta, Bann, Germany	Europe	BAN
BK17	AFE	D2	Barford St John RAF, Branburg/Oxfordshire, England	Europe	BRF
BK40	SAC	S1	Barksdale AFB, Shreveport, Louisiana	Central	BAR
BK95	AFE	D2	Barkway RAF, Comm Sta, England	Europe	
BL35	ADC	C2	Barrington Air Sta, Barrington/Nova Scotia, Canada	Eastern	102
BL57	ADC	C2	Barter Island Dew Sta, Barter Island, Alaska	Western	BRT
BL74	ADC	C1	Bartlesville AFS, Bartlesville, Okla	Central	P77
BL99	ATC	J1	Bartow AB, Bartow, Florida	Eastern	BTW

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POSP CODE	HOST CMD	COMD CODE	BASE OR SITE AND LOCATION	RESP GEEIA REGION	3-DIGIT CODE
BM82	PAF	R2	Bataan ANX, Luzon Island, P.I.	Pacific	BAT
BN61	AFC	F1	Baton Rouge AFS, Baton Rouge, Louisiana	Eastern	BAT
BN70	ADC	C1	Baudette AFS, Baudette, Minn	Central	132
BO48	SAC	S1	Beale AFB, Marysville, California	Western	BEA
BP48	ADC	C2	Beausejour Air Sta, Beausejour/ Manitoba, Canada	Western	C17
BR48	ADC	C1	Bedford AFS, Bedford, Virginia	Eastern	121
BR78	ADC	C1	Belen AFB, Albuquerque, New Mexico	Central	BEL
BS57	ADC	C1	Bellefontaine AFS, Bellefontaine, Ohio	Eastern	P73
BS91	ADC	C1	Belleville AFS, Belleville, Illinois	Central	P70
BT40	PAF	R2	Bellows AFB, Oahu Island, Hawaii	Pacific	BEL
BU15	AFE	D2	Benghasi ASN, Libya	Europe	BGI
BU31	AFE	D2	Benguerir Air Base, Benguerir, Morocco	Europe	BGR
BV07	ADC	C1	Benton AFS, Benton, Penn	Eastern	P30
BV31	AFE	D2	Bentwaters RAF, Woodbridge, Suffolk, England	Europe	BTW
BV38	AFE	D2	Berchtesgaden Air Intl Ofc, Berchtesgaden, Germany	Europe	BTG
BV66	SAC	S1	Bergstrom AFB, Austin, Texas	Central	BER
BV99	AFE	D2	Berlin, Berlin, Germany	Europe	BLN
BX13	AAC	A2	Bethel AFS, Anchorage, Alaska	Western	BHL
BX18	AAC	A2	Bethel Island TACAN Anx, Bethel, Alaska	Western	BTL
BX35	AFE	D2	Bethines Rad Rel Site, Bethines, France	Europe	BTH

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POSP CODE	HOST CMD	COMD CODE	BASE OR SITE AND LOCATION	RESP GEEIA REGION	3-DIGIT CODE
BX52	AAC	A2	Bettles TACAN Anx, Bettles, Alaska	Western	BTS
BY58	AAC	A2	Big Delta MRL, Big Delta, Alaska	Western	BIG
BY99	SAC	S1	Biggs AFB, El Paso, Texas	Central	BIG

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FCSP CODE	HOST CMD	CMD CODE	BASE OR SITE AND LOCATION	RESP GEEIA REGION	3-DIGIT CODE
CB07	AFE	D2	Birkenfield adm Office, Birkenfeld, Germany	Europe	BIR
CC57	AFE	D2	Bitburg AB, Bitburg, Germany	Europe	BIT
CD85	ADC	C1	Blaine AFS, Birch Bay, Wash	Western	P46
CD91	AAC	A2	Blair Lake AFS, Big Delta, Alaska	Western	BLA
CF57	SAC	S1	Blytheville AFB, Blytheville, Arkansas	Central	BLY
CF91	SAC	S1	Boardman Flt Strip AFSGE, Boardman Oregon	Western	BOA
CH74	HQC	F1	Bolling AFB, Washington 25, D. C.	Eastern	BOF
CI67	ARD	H1	Bonita Springs RdL, TSI D-5E, Bonita Springs, Florida	Eastern	BON
CJ31	AMO	F2	Bordeaux Storage Station, France	Europe	
CJ91	ADC	C1	Boron AFS, Boron, California	Western	P59
CJ96	AFE	D2	Bosco Montico AI, Italy	Europe	
CM07	AFE	D2	Boulhaut AB, Casablanca, Morocco	Europe	BOU
CM18	SAO	S2	Bourne End RAF, Bucks, England	Europe	BNE
CM31	AFE	D2	Bovingdon Mtca, Hemel Hempstead/Herts, England	Europe	BOV
CM83	ARD	H1	Bowman Bayou, TSI D-1A, Bowmans Bayou, Florida	Eastern	BOW
CN10	AFE	D2	Braconne Radio Rel Annex, Braconne, France	Europe	BRC
CN97	AFE	D2	Brandhof RdL, Germany	Europe	
CO34	ADO	C2	Bray Island Dew Sta, Bray Island/NWT, Canada	Eastern	BAY
CO78	AFE	D2	Breitsol Radio Relay, Breitsol, Germany	Europe	BRE

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POSP CODE	HOST CMD	COMD CODE	BASE OR SITE AND LOCATION	RESP GEELA REGION	3-DIGIT CODE
CP32	AFE	D2	Bremerhaven Pers Proc Sta, Bremerhaven, Germany	Europe	BRM
CR61	AFE	D2	Brienne Le Chateau Afld, Brienne Le Chateau, France	Europe	BLC
CS57	AFE	D2	Brize Norton RAF, Oxford, England	Europe	BRN
CT23	ADC	C1	Brookfield AFS, Brookfield, Ohio	Eastern	P62
CT48	ATC	F1	Brookley AFB, Mobile, Ala	Eastern	BRO
CT93	ATC	F1	3121st LOGCONGP/Atlantic, Brooklyn, NY	Eastern	BLN
CT99	ATC	J1	Brooks AFB, San Antonio, Texas	Central	BKS
CU35	ADO	C2	Broughton Island Dew Station, Broughton Island/NWT, Canada	Eastern	BRI
CV23	ADC	C1	Brunswick AFS, Brunswick NAS, Maine	Eastern	P13
CV40	SAO	S2	Bruntingthorpe RAF, Bruntingthrope, England	Europe	BRU
CV48	AFE	D2	Brussels, Brussels/60 R Ravenstein, Belguim	Europe	BRL
CV91	ANC	F1	Bryan AFB, Texas	Central	
CW70	ADC	C1	Bucks Harbor AFS, Bucks Harbor, Maine	Eastern	110
CW82	SAO	S2	Buenos Aires, Argentina	Eastern	BUE
CX01	CNC	M1	Buffalo Arcen, Buffalo, NY	Eastern	BUF
CY13	SAC	S1	Bunker Hill AFB, Bunker Hill, Ind	Eastern	BUN
CY40	AFE	D2	Burderop Park Mil Hospital, Wiltshire, England	Europe	BUR

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FCSP CODE	HOST CMD	COMD CODE	BASE OR SITE AND LOCATION	RESP GEEIA REGION	3-DIGIT CODE
CZ07	ADC	C1	Burlington MAP, Vermont	Eastern	
CZ40	ADC	C1	Burns AFS, Burns, Oregon	Western	118
CZ99	AMC	F2	Burtonwood RAF, Warrington, England	Europe	BUW

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PCSP CODE	HOST CMD	COMD CODE	BASE OR SITE AND LOCATION	RESP GEEIA REGION	3-DIGIT CODE
DA15	AFE	D2	Bushey Hall, Hertfordshire, England	Europe	BYH
DA23	AFE	D2	Bushey Park, Middlesex/Teddington, England	Europe	BUP
DC34	ADC	C1	Calumet AFS, Calumet, Mich	Central	F16
DC51	AFE	D2	Cambrai/Epinoy AB, Cambria, France	Europe	CAB
DC66	ADC	C1	Cambria AFS, Cambria, Calif	Western	P2
DD53	ADO	C2	Cambridge Bay Dew Sta, Victoria Island, Canada	Western	CMB
DE04	AAC	A2	Campion AFS, Galena, Alaska	Western	CPN
DE51	TAC	T1	Cannon AFB, Clovis, New Mexico	Central	CAN
DG15	AMD	H1	Cape Canaveral Msl Test Fld (EM), Cape Canaveral, Florida	Eastern	CAP
DG19	ADC	C1	Cape Charles AFS, Cape Charles, Virginia	Eastern	P56
DG21	SAO	S2	Cape Christian Loran Anx, Cape Christian/ Baffin, Canada	Eastern	CHR
DG25	ADO	C2	Cape Dyer Dew Sta, Cape Dyer/NWT, Canada	Eastern	DYE
DG70	ADO	C2	Cape Hooper Dew Sta, Cape Hooper/NWT, Canada	Eastern	HOO
DG74	AAC	A2	Cape Lisburn AFS, Cape Lisburn, Alaska	Western	LIS
DG86	ADO	C2	Cape Makkovick GAP, Canada	Eastern	
DH02	AAC	A2	Cape Newenham AFS, Kuskokwin Bay, Alaska	Western	NEW
DH10	ADO	C2	Cape Parry Dew Sta, Cape Parry, NWT, Canada	Western	PRY
DH31	AAC	A2	Cape Romanzof AFS, Cape Romanzof, Alaska	Western	ROM

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POSP CODE	HOST CMD	COMD CODE	BASE OR SITE AND LOCATION	RESP GEELA REGION	3-DIGIT CODE
DH57	ADC	H1	Cape SanBlas, Florida	Eastern	
DH58	ADC	H1	Eglin TSI D-3, Cape San Blas, Florida	Eastern	DO3
DH67	AAC	A2	Cape Sarichef AFS, Unimak Island, Alaska	Western	SAR
DL40	ADC	F1	Caribou AFS, Limestone, Maine	Eastern	CBU
DJ66	SAC	S1	Carswell AFb, Fort Worth, Texas	Central	CAR
DK74	ADC	C2	Cartwright Air Sta, Cartwright/Labrador, Canada	Eastern	C27
DL74	SAC	S1	Castle AFB, Merced, California	Western	CAS
DM15	ADC	C1	Caswell AFS, Caswell, Maine	Eastern	PSO
DM32	AFE	D2	Cazes Apt, Cazes, Morocco	Europe	CAZ
DM40	AFE	D2	Celle, Germany	Europe	
DM87	ADC	C2	Central Baffin Island Dew Sta, Central Baffin Island/NWT, Canada	Eastern	CBI
DO91	AFE	D2	Chalons fld, Chalons Sur Marne, France	Europe	CHA
DP31	AFE	D2	Chambley AB, Chambley, France	Europe	CHY
DP35	AFE	D2	Champagne St Hilaire AB, Champagne St Hilaire, France	Europe	CHP
DP74	ADC	C1	Chandler AFS, Chandler, Minn	Central	PIS
DP99	ATC	J1	Chanute AFB, Rantoul, Ill	Central	CHU
DS07	MTC	Q1	Charleston AFB, Charleston, South Carolina	Eastern	CHA
DS15	ADC	C1	Charleston AFS, Charleston, Me.	Eastern	P65
DU11	AMC	F2	Chateauroux Air Depot, Chateauroux, France	Europe	CHX

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POSP CODE	HOST CMD	COMD CODE	BASE OR SITE AND LOCATION	RESP GEMA REGION	3-DIGIT CODE
DU27	AFE	D2	Chatenay Microwave Annex, Chatenay, France	Europe	CHY
DU66	CNC	M1	Chattanooga, Tenn	Eastern	
DV07	AFE	D2	Chaumont AB, Montsaon, France	Europe	CMT
DV10	AFE	D2	Chauvigny Rad Rel Site, Chauvigny, France	Europe	CHV
DV36	PAF	R2	Cheju Do WRA, Korea	Pacific	
DV57	AMC	F1	Cheli AFS, Maywood, Calif	Western	CHE
DV91	SAO	S2	Chelveston RAF, Chelveston, England	Europe	CHE
DW07	AFE	D2	Chenneviers AB, Luneville, France	Europe	CHN
DW08	SAC	S1	Chennault AFB, Lake Charles, La	Central	CHN-194
DW50	ADC	C1	Cherry Point, MCAS, Cherry Point, N.C.	Eastern	116
DW96	PAF	R2	Chiang-Mai Afld, Thailand	Pacific	CHI
DX98	AMC	F1	Chicago 1 AFTO, Chicago/165 Canal St, Ill	Central	CHI
DY17	AFE	D2	Chicksands RAF, Shefford Beds, England	Europe	CKS
DZ04	AFE	D2	Chillac Rad Rel Site, Chillac, France	Europe	CHC
DZ51	PAF	R2	Chinchon Ni ASN, Korea	Pacific	

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POSP CODE	HOST CMD	COMD CODE	BASE OR SITE AND LOCATION	RCSP GESIA REGION	3-DIGIT CODE
EA40	PAF	R2	Chitose Aux Fld, Chitose/Hokkaido Island, Japan	Pacific	CTE
EA61	AMD	F2	Chize Ammo Sub Dep, Foret de Chize, Niort, France	Europe	CHZ
EA91	AFE	D2	Christmas Common/CST, Christmas Common, England	Europe	CHS
EB66	MTO	Q2	Churchill RCAF AFD, Churchill Bay, Canada	Eastern	CHL
EB74	AFE	D2	Ciampino APT, Rome, Italy	Europe	CIA
EB76	AFE	D2	Cigli AB, Cigli, Turkey	Europe	CIG
ED15	PAF	R2	Clark AB, Luzon Island, P.I.	Pacific	CLR
EE60	ADC	C1	Claysburg AFS, Claysburg Park, Penn	Eastern	P63
EE91	AMD	F2	Clear MEW, Alaska	Western	
EF26	AFE	D2	Clermont Argonne, RHL, Clermont/Argonne, France	Europe	CLE
EG31	SAC	S1	Clinton County AFB, Wilminton, Ohio	Eastern	CMI
EG57	SAC	S1	Clinton Sherman AFB, Clinton, Okla	Central	CLS
EI20	AFE	D2	Cold Blow CST, England	Europe	
EI24	AAC	A2	Cold Bay AFS, Alaskan Peninsula, Alaska	Western	CLB
EI25	SAO	S2	Cold Lake/RCAF/ADR, Cold Lake, Canada	Western	COL
EL31	SAC	S1	Columbus AFB, Columbus, Miss	Eastern	COL
EM23	ADC	C1	Colville AFS, Colville, Wash	Western	P60
EN15	ADC	C1	Condon AFS, Condon, Ore	Western	P32
EO07	ADC	C1	Continental Divide AFS, Gonzales, New Mex	Central	P7

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PCSP CODE	HOST CMD	CMD CODE	BASE OR SITE AND LOCATION	RESP GEEIA REGION	3-DIGIT CODE
EC57	ARO	H2	Collidge AFB, Antigua, Leeward Islands	Eastern	ANT
ES61	ADC	C1	Cottonwood AFS, Cottonwood, Idaho	Western	150
EU80	PAF	R2	Camp Drake AI, Japan	Pacific	
EW31	PAF	R2	Cp O'Donnell JT TRAN Sta, Capas, P.I.	Pacific	DON
EX91	ATC	J1	Craig AFB, Selma, Ala	Eastern	CRA
EY08	AFE	D2	Cranston, RI	Europe	
EZ04	AFE	D2	Croix Chapeau Microwave Anx, Croix Chapeau, France	Europe	CRX
EZ17	ADC	C1	Cross City AFS, Cross City, Florida	Eastern	200
EZ48	AFE	D2	Croughton RAF, Brackley/N Hamptonshire, England	Europe	CRO
EZ76	ADC	C1	Crystal Springs AFS, Crystal Springs, Miss	Eastern	195

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PCSP CODE	HOST CMD	COMD CODE	BASE OR SITE AND LOCATION	RESP GEEIA REGION	3-DIGIT CODE
FA66	ADC	C1	Curlew AFS, Curlew, Wash	Western	P-6
FB21	ADC	C1	Custer AFS, Fort Custer, Mich	Eastern	P67
FB24	ADC	C1	Cut Bank AFS, Cut Bank, Montana	Western	P24
FB34	ADC	C2	Cut Throat Island GAP, Canada	Eastern	
FC01	AFE	D2	Dabo Rad Rel Anx, Dabo, France	Europe	DAB
FC78	CNC	M1	Dallas NAS/Hensley, Dallas, Texas	Central	HEN
FE10	AFE	D2	Dannenfels Rad Rel, Dannenfels, Germany	Europe	DAN
FE90	AFE	D2	Darmstadt RSM Site, Darmstadt, Germany	Europe	DAR
FF27	ADC	C1	Dauphin AFS, Dauphin Isl, Ala	Eastern	196
FF50	AFE	D2	Daventry, England	Europe	
FF75	CNC	M1	Davis Field, Oklahoma	Central	DVS
FF91	SAC	S1	Davis-Monthan AFB, Tuscon, Ariz	Western	DAM
FG99	ARD	H1	Dayton Tech Info Office, Knott Building, Dayton, Ohio	Eastern	DAY
FI31	ADC	F1	Deep Creek AFS, Spokane, Wash	Western	DEE
FK03	AFE	D2	Denham Studios USAF, Denham Studios, England	Europe	DEN
FM67	ADC	F1	Detroit AFF, Detroit/Warren/Lonyo, Mich	Eastern	DET
FN15	AFE	D2	Dhahran AB, Dhahran/Saudi Arabia, Arabia	Europe	DHA
FN41	ADC	C1	Dickinson AFS, Dickinson, N.D.	Central	177
FN74	SAO	S2	Dishforth, England	Europe	DIS
FO07	AFE	D2	Diyarbekir CST Site, Kiyarbekir, Turkey	Europe	DIY
FO18	AFE	D2	Djebel Kouali RRL, Djebel Kouali, Morocco	Europe	DJK

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POSP CODE	HOST CMD	C MD CODE	BASE OR SITE AND LOCATION	RESP GEOGRA REGION	3-DIGIT CODE
FO19	AFE	D2	Djebel Taazeka ARL, Djebel Kouali, Morocco	Europe	DJT
FO20	AFE	D2	Djebel Zerhoun ARL, Djebel Kouali, Morocco	Europe	DJZ
FO25	AFE	D2	Djenane Krater, Morocco	Europe	
FO26	AFE	D2	Djenane Krater RSI, Berguent, Morocco	Europe	DJE
FO31	CMC	M1	Dobbins AFB, Marietta, Ga	Eastern	DOB
FO82	PAF	R2	Don Muang APT, Thail	Pacific	
FO91	MTC	Q1	Donaldson AFB, Greenville, S.C.	Eastern	DON
FP25	AFE	D2	Donnersberg RRL, Germany	Europe	
FP44	AFE	D2	Dornersheim, Germany	Europe	
FR40	MTC	Q1	Dover AFB, Dover, Delaware	Eastern	DOV
FR82	SAC	S1	Dow AFB, Bangor, Maine	Eastern	DOW
FT23	AFE	D2	Dreux Air Base, Dreux, France	Europe	DRU
FT28	AFE	D2	Driedorf RSL, Germany	Europe	
FT29	AFE	D2	Driffield RAF, England	Europe	
FT30	AAC	A2	Driftwood AFS, Alaska	Western	DRI
FT66	AMC	F1	Dugway Proving Ground, Tooele, Utah	Western	DUG
FT91	ADC	C1	Duluth MAP, Duluth, Minn	Central	DUL
FU48	ADC	C1	Duncanville AFS, Duncanville, Texas	Central	P78
FW08	SAC	S1	Dyess AFB, Abilene, Texas	Central	DYE-188
FX70	ADC	C1	Eagle Pass AFS, Eagle Pass, Texas	Central	188

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PCSP CODE	HOST CMD	CMD CODE	BASE OR SITE AND LOCATION	RESP GESLA REGION	3-DIGIT CODE
FZ07	ADO	C2	Edgar RCAF ASN, Canada	Eastern	
FZ91	MTO	Q2	Edmonton Mun Aprt, Edmonton, Canada	Western	EDM
FZ99	ARD	HL	Edwards AFB, Muroc, California	Western	EDW

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PCSP CODE	HOST CMD	CMD CODE	BASE OR SITE AND LOCATION	RESP GEEIA REGION	3-DIGIT CODE
GA48	ARD	H1	Eglin AFB, Valparaiso, Florida	Eastern	EGL
GB48	ARD	H1	Eglin AF Aux Fld No. 1, Valparaiso, Florida	Eastern	WAG
GB74	ARD	H1	Eglin AF Aux Fld No. 2, Valparaiso, Florida	Eastern	PIC
GB99	ARD	H1	Eglin AF Aux Fld No. 3, Valparaiso, Florida	Eastern	DUE
GC74	ARD	H1	Eglin AF Aux Fld No. 6, Valparaiso, Florida	Eastern	BIU
GC99	ARD	H1	Eglin AF Aux Fld No. 7, Valparaiso, Florida	Eastern	EPL
GD23	ARD	H1	Eglin AF Aux Fld No. 9, Valparaiso, Fla	Eastern	HUR
GD40	ARD	H1	Eglin AAF No. 10 Valparaiso, Florida	Eastern	
GH07	AAC	A2	Eielson AFB, Fairbanks, Alaska	Western	EIL
GH35	ADO	C2	Ekalugad Fiord Dew Sta, Ekalugad/ NWT, Canada	Eastern	EKA
GK08	ARO	H2	Eleuthera AF Aux Fld, Eleuthera Island, Bahamas	Eastern	ELE
GK64	SAO	S2	Elizondo Air Sta, Gora Nakil Area, Spain	Europe	ELZ
GL74	CNC	M1	Ellington AFB, Houston, Texas	Central	ELN,P79
GM18	ADO	C2	Elliston Ridge GAP, Canada	Eastern	
GM31	SAC	S1	Ellsworth AFB, Rapid City/Weaver, S. D.	Central	ELL, M97
GM82	AAC	A2	Elmendorf AFB, Anchorage, Alaska	Western	EIM
GN28	AFE	D2	Elsham, England	Europe	
GN33	AFE	D2	Elvington RAF, Elvington, England	Europe	ELV

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PCSP CODE	HOST CMD	COMD CODE	BASE OR SITE AND LOCATION	RESP GEEIA REGION	3-DIGIT CODE
GO15	ADC	C1	Empire AFS, Empire, Mich	Eastern	P34
GO84	TAC	T1	England AFB, Alexandria, Louisiana	Central	ENG, 125
GP91	ARC	H2	Eniwetok Atoll AF Aux Afld, Eniwetok Island, MSHL	Pacific	ENI
GP99	ADC	C1	Ent AFB, Colorado Springs, Colo	Central	ENT
GR61	AFE	D2	Erbskopf Tech Anx, Erbskopf, Germany	Europe	ERB
GR82	AFE	D2	Erding Air Sta, Erding, Germany	Europe	ERD
GS66	SAO	S2	Ernest Harmon AFB, Stephenville/Nfld, Canada	Eastern	ERN
GT66	AFE	D2	Esenbuga Afld, Ankara, Turkey	Europe	ESE
GU57	AFE	D2	Etain/Rouvres AB, Metz, France	Europe	ETA
GU66	ADC	C1	Ethan Allen AFB, Burlington, Vermont	Eastern	ETH
GU95	ADC	C1	Eufaula, Eufaula, Ala	Eastern	199
GU97	AFE	D2	Euffigneix Microwave Annex, Euffigneix, France	Europe	EUF
GW23	AFE	D2	Evreux/Fauville AB, Evreux, France	Europe	EVX
GW35	SAO	S2	Ezeiza AFD, Buenos Aires, Argentina	Central	EZE
GW74	SAC	S1	Fairchild AFB, Spokane, Washington	Western	FAI
GX57	AMC	F1	Fairfield AFS, Fairfield, Calif	Western	FAF
GX74	AFE	D2	Fairford RAF, Gloucestershire, England	Europe	FAI
GY66	ADC	C1	Fallon Nav Aux AS, Fallon, Nevada	Western	156

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PCSP CODE	HOST CMD	CMD CODE	BASE OR SITE AND LOCATION	RESP GEEIA REGION	3-DIGIT CODE
HB08	AFE	D2	Feltwell RAF, England	Europe	FTW
HB30	ARO	H2	Fernando De Noronha MTK (BM), Brazil	Eastern	FEO
HB74	ADC	C1	Finland AFS, Finland, Minn	Central	P69
HB84	ADC	C1	Finley AFS, Finley, N.D.	Central	P29
HC15	AAC	A2	Fire Island AFS, Cook Inlet, Alaska	Western	FIR
HD43	ADO	C2	Flaxman Island Dew Sta, Flaxman Island, Alaska	Western	FLA
HD66	SAO	S2	Fletchers Ice Island Weather Sta T-3, Fletcher Ice Island, ARC	Eastern	FLE
HE03	ADC	C1	Flintstone, Flintstone, Ga.	Eastern	165
HF15	AFE	D2	Foggia, Foggia, Italy	Europe	FOG
HF48	AFE	D2	Fontainebleau, Fontainebleau, France	Europe	FON
HF74	SAC	S1	Forbes AFB, Topeka, Kansas	Central	FOR
HG15	ADC	C1	Fordland AFS, Fordland, Missouri	Central	P68
HH15	ADC	C1	Fortuna AFS, Fortuna, N.D.	Central	P27
HH48	TAC	T1	Foster AFB, Texas	Central	
HI03	ADO	C2	Fox Harbor GAP, Canada	Eastern	
HI48	CAC	I2	France AFB, Cazon	Central	
HJ48	SAC	S1	Francis E. Warren AFB, Cheyenne, Wyoming	Western	WAR
HJ75	AFE	D2	Frankfurt ADM, Frankfurt, Germany	Europe	FRT
HK07	ARD	H1	Frazier Park Shoran Anx, Frazier Park, Calif	Western	FRA
HL04	AFE	D2	Freising AC/W Sta Nr 1, Freising, Germany	Europe	FRG

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PCSP CODE	HOST CMD	COMD CODE	BASE OR SITE AND LOCATION	PCSP GEEIA REGION	3-DIGIT CODE
HM44	AFE	D2	Friolzheim Comm Sta, Friolzheim, Germany	Europe	FRI
HM74	SAO	S2	Frobisher, Frobisher Bay, Canada	Eastern	FRB
HM82	SAO	S2	Frobisher Airport/RCAF, Frobisher Bay, Canada	Eastern	FRO
HN23	ATC	J1	Ft. Belvoir AI, Fort Belvoir, Virginia	Eastern	FTB
HN40	AU	K1	Ft Benning AI, Ft Benning, Georgia	Eastern	BEN
HN99	MTC	Q1	Fort Campbell, Kentucky	Eastern	FCP
HO99	ADC	C1	Fort Fisher AFS, Fort Fisher, N.C.	Eastern	115
HP23	ADC	C1	Ft George G. Meade, Laurel, Maryland	Eastern	FGM
HP32	ADC	C1	Ft Heath AI, Ft Heath, Massachusetts	Eastern	MEH
HP99	ADC	C1	Ft Knox, Kentucky	Eastern	FTK
HR23	ADC	C1	Ft Lawton AI, Seattle, Wash	Western	RPI
HR49	ADC	C1	Ft Lee AFS, Ft Lee, Virginia	Eastern	FTL
HR66	MTC	Q1	Fort Lewis AI, Washington	Western	LEW
HR92	ARD	H1	Ft Lonesome TSI D-5B, Ft Lonesome, Fla	Eastern	LON
HT08	ADC	C2	Ft Nelson Afld, Alberta, Canada	Western	FTN
HT31	SAC	J1	Ft Ord, Monterey, Calif	Western	ORD
HT48	MTC	Q1	Ft Riley, Ft Riley, Kansas	Central	FRI
HT60	MTC	Q1	Ft Rucker, Daleville, Alabama	Eastern	OZA
HT99	AU	K1	Ft Sill AI, Ft Sill, Oklahoma	Central	SIL
HW44	AAC	A2	Fort Yukon AFS, Fort Yukon, Alaska	Western	FTY
HW57	PAF	R2	Fuchu Air Sta, Fuchu/Honshu Island, Japan	Pacific	FCH

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PCSP CODE	HOST CMD	COMD CODE	BASE OR SITE AND LOCATION	PCSP GEEIA REGION	3-DIGIT CODE
HW74	PAF	R2	Fukae Shima, Fukae Shima Island, Japan	Pacific	FKA
HX23	AFE	D2	Furstenfeldbruck AB, Furstenfeldbruck, Germany	Europe	FUR
HX67	PAF	R2	Futema NAS, Okinawa Island, Ryuku	Pacific	FUT
HX91	AFC	F1	Gadsden AFS, Gadsden, Alabama	Eastern	GAD
HZ17	AAC	A2	Galena Apt, Galena, Alaska	Western	GAL

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POSP CODE	HOST CID	COMD CODE	BASE OR SITE AND LOCATION	RESP GAEL REGION	3-DIGIT CODE
IA07	ADC	C2	Gander Air Sta, Gander/Nfld, Canada	Eastern	GAN
IA15	ADC	C2	Gander Airport/DOT/, Gander/Nfld, Canada	Eastern	GAN
IB74	ADC	C1	Geiger Field, Spokane, Washington	Western	GEI
IB82	CRC	M1	Gen B Mitchell Field, Milwaukee, Wis	Central	GEM
IC57	ATC	F1	Gentile AFS, Dayton, Ohio	Eastern	GEN
IC74	TAC	T1	George AFB, Victorville, Calif	Western	GEO
IC85	ADC	C1	Georges Shoals Twr Ann: Al-32N/67-52W, Atlantic	Eastern	TT2
ID60	AFE	D2	Germiny Rad Rel Ann, Germiny, France	Europe	GER
ID91	ADC	C1	Gettysburg AFS, Gettysburg, SD	Central	M99
IE20	ADC	C1	Gibbsboro AI, Gibbsboro, New Jersey	Eastern	M63
IE40	AFE	D2	Giebelstadt AB, Giebelstadt, Germany	Europe	GIE
IE91	TAC	T1	Gila Bend AF Aux Fld, Gila Bend, Arizona	Western	GLB
IF25	ARD	M1	Gilchrist TSI D-5D, Gilchrist, Florida	Eastern	GIL
IF74	AFE	D2	Gioia Del Colle, Gioia Del Colle, Italy	Europe	GIC
IG13	SAC	S1	Glasgow AFB, Glasgow, Montana	Western	GLA
IH30	MTC	Q1	Godman Army AI, Kentucky	Eastern	
II23	USS	U1	Goodfellow AFB, San Angelo, Texas	Central	GOO
II91	SAC	S2	Goose Air Base, RCAF, Goose Bay/Labrador, Canada	Eastern	GOO
IJ06	SAC	S2	Gorramendi Tropo Site, Gorramendi, Spain	Europe	GRD
IJ66	ATC	J1	Graham AB, Marianna, Florida	Eastern	GRH
IJ71	AFE	D2	Grand Radio Relay Annex, Grand, France	Europe	GRD

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FCSP CODE	HOST CMD	COMD CODE	BASE OR SITE AND LOCATION	RESP GEELA REGION	3-DIGIT CODE
IJ84	ARO	H2	Grand Bahama Aux Afld, Grand Bahama Island Bahamas	Eastern	GBI
IK26	ADC	C1	Grand Forks AFB, Grand Forks, N.D.	Central	GRA
IL08	AMC	F1	Grand Rapids APFO, Grand Rapids, Mich	Eastern	GRR
IL33	ADC	C1	Grand Rapids, Grand Rapids, Minn	Central	138
IL35	ARO	H2	Grand Turks AF Aux Afld, Turks Island, Bahamas	Eastern	GRI
IL39	AFE	D2	Grand Villiers RAL Anx, Grand Villiers, France	Europe	GRV
IM31	AMC	F1	Gray AFB, Killeen, Texas	Central	GRY
IN72	AFE	D2	Great Massing RAF, CHF, England	Europe	
IO15	CNC	M1	Greater Pittsburg Apr, Coraopolis, Penn	Eastern	GRP
IO79	PAF	R2	Green Park Hsg Anx, Green Park/Honshu Island, Japan	Pacific	GRP
IP23	AFE	D2	Greenham Common RAF, Oxfordshire/Berkshire England	Europe	GRC
IR88	ATC	J1	Greenville AFB, Greenville, Miss.	Eastern	GRE
IS40	CNC	M1	Grenier AFB, Manchester, NH	Eastern	GRR
IT31	AMC	F1	Griffiss AFB, Rome, New York	Eastern	ROE
IT67	AFE	D2	Grosseto AB, Italy	Europe	GRO
IU10	AFE	D2	Gruendstadt CST Site, Gruendstadt, Germany	Europe	GRU
IW12	AAC	A2	Gulkana APT, Gulkana, Alaska	Western	GUL
IW31	AU	K1	Gunter AFB, Montgomery, Alabama	Eastern	GUN
IW91	ADC	C1	Guthrie AFS, Guthrie, West Virginia	Eastern	P43

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FCSP CODE	HOST CMD	COMD CODE	BASE OR SITE AND LOCATION	RESP GEEIA REGION	3-DIGIT CODE
IX84	AFE	D2	Hahn AB, Hahn, Germany	Europe	HAH
IY03	AFE	D2	Haimburg Radio Rel, Haimberg, Germany	Europe	HAI
IZ03	ADC	C2	Hall Lake Dew Sta, Hall Lake/NWT, Canada	Eastern	HAL
IZ99	ADC	C1	Hamilton AFB, San Rafael, Calif	Western	HAM

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RCSP CODE	HOST CMD	CCMD CODE	BASE OR SITE AND LOCATION	RCSP GEEIA REGION	3-DIGIT CODE
JA74	AFE	D2	Hahn RSI, Germany	Europe	
JC40	ADC	C1	Hamra City AFS, Hamra City, Ill	Central	P05
JD66	ATC	J1	Harlingen AFB, Harlingen, Texas	Central	HAR
JD74	SAC	S2	Harmon AFB, Guam	Pacific	HAR
JF42	AFE	D2	Harzberg, Germany	Europe	
JF70	ADC	C1	Hastings AFS, Hastings, Nebraska	Central	133
JF74	ADC	F1	Hastings Sta, Minnesota	Central	
JG26	ADC	C1	Havre AFS, Havre, Montana	Western	P03
JH81	AFE	D2	Heidelberg A1, Heidelberg, Germany	Europe	HA1
JH83	AFE	D2	Heidenheim Radio Rel, Heidenheim, Germany	Europe	HDH
JI60	AFE	D2	Hemswell RAF, England	Europe	HEM
JJ17	AFE	D2	Hermelingen Microwave Ann, Hermelingen, France	Europe	HER
JK57	PAF	R2	Hickam AFB, Oahu Island, Hawaii	Pacific	HIC
JK97	AFE	D2	High Garrett ADA, England	Europe	
JL26	AFE	D2	High Wycombe Air Base, Amersham/Bucks	Europe	HWY
JL48	ADC	C1	Highlands AFS, Highlands, NJ	Eastern	P9
JL66	ATC	F1	Hill AFB, Ogden, Utah	Western	HIL
JL86	AFE	D2	Hillingdon RAF, ADA, England	Europe	
JN99	AFE	D2	Hof RSM Annex, Hof, Germany	Europe	HOF
JO41	MTC	Q2	Hofn AC/W Sta, Hofn, Iceland	Eastern	HFN
JO78	AFE	D2	Hohenstadt Comm Sta, Hohenstadt, Germany	Europe	HOH
JP31	ARD	H1	Holloman AFB, Alamogordo, NM	Central	HOL

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FCSP CODE	HOST CMD	COMD CODE	BASE OR SITE AND LOCATION	RESP GEELA REGION	3-DIGIT CODE
JR23	AFE	D2	Holme RAF Station, Holme, England	Europe	HLE
JR99	SAC	S1	Homestead AFB, Homestead, Fla	Eastern	HOM
JS25	AFE	D2	Homewood Park Adm Anx, Homewood Park, England	Europe	HOM
JS28	SAC	S2	Humosa Tropo Site, Humosa, Spain	Europe	HUM
JT48	ADC	C2	Hopedale Air Sta, Hopedale/Labrador, Canada	Eastern	C28
JV31	ADC	C1	Houma RAS, Houma, Louisiana	Central	126
JW07	CAC	L2	Howard AFB, Fort Kobbe, Canal Zone	Central	HOW
JX07	SAC	S1	Hunter AFB, Savannah, Georgia	Eastern	HUN, 112
JY60	ADC	C1	Hutchinson AFS, Hutchinson, Kansas	Central	P47
JZ20	ADC	C2	Ice Cap 1 Dew Sta, Ice Cap, Greenland	Eastern	IC1
JZ21	ADC	C2	Ice Cap 2 Dew Sta, Ice Cap, Greenland	Eastern	IC2

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POSP CODE	HOST CMD	COMD CODE	BASE OR SITE AND LOCATION	RESP GEOGRAPHIC REGION	3-DIGIT CODE
KA59	AFE	D2	Illesheim ASN, Germany	Europe	
KB10	AFE	D2	Incirlik AB, Turkey	Europe	
KB78	AAC	A2	Indian Mountain AFS, Indian Mountain, Alaska	Western	IND
KB99	ARD	H1	Indian Springs AFB, Indian Springs, Nevada	Western	INS
KC75	AMC	F1	Indianapolis AFF, South Bend/Eclipse, Ind	Eastern	IND
KE29	AFE	D2	Iraklion RSM Site, Iraklion, Cre	Europe	IRA
KE98	AFE	D2	Irsch RRL, Germany	Europe	
KG58	AFE	D2	Istanbul Port Annex, Istanbul, Turkey	Europe	IST
KH31	PAF	R2	Itazuke AB, Fukuoka/Kyushu Island, Japan	Pacific	ITA
KH68	PAF	R2	Iwo Jima AB, Iwo Jima Island Vol, Japan	Pacific	IWO
KI08	AFE	D2	Izmir Adm Site, Izmir, Turkey	Europe	IZM
KI14	AFE	D2	Izmir/Ciyli, Izmir/Ciyli, Turkey	Europe	IXM
KJ10	ADC	C1	Jacksonville NAS, Jacksonville, Fla	Eastern	114
KJ64	ATC	J1	James Connally AFB, Waco, Texas	Central	CON
KK35	AMC	F1	Jamestown RSS Anx, Jamestown, Ohio	Eastern	JAM
KM11	ADC	C1	Joelton AFS, Joelton, Tenn	Eastern	L45
KM20	PAF	R2	John Hay Air Base, Luzon Island, P.I.	Pacific	JOH
KM31	PAF	R2	Johnson AB, Irumagawa/Honshu Island, Japan	Pacific	JNS
KM66	PAF	R2	Johnston Island AFB, Johnston Island, Japan	Pacific	JHN
KN61	AFE	D2	Jossigny RRL, Jossigny, France	Europe	JOS
KN94	ARD	H1	Jupiter MTS, Florida	Eastern	

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POSP CODE	HOST CMD	COMD CODE	BASE OR SITE AND LOCATION	RESP GEEIA REGION	3-DIGIT CODE
KO05	ADC	C1	K I Sawyer Arpt, Marquette, Mich	Central	KIS
KO23	PAF	R2	Kadena Air Base, Okinawa Island, RYK	Pacific	KAD
KO99	AFE	D2	Kaiserslautern, Kaiserslautern, Germany	Europe	KAI
KP24	ADC	C1	Kalispell AFS, Kalispell, Montana	Western	179
KP82	ADO	C2	Kamloops Air Sta, Kamloops/BC, Canada	Western	153
KR23	PAF	R2	Kangnung, Kangnung, Korea	Pacific	KAN
KS85	AFE	D2	Karamursel RSM Site, Karamursel, Turkey	Europe	KAL
KS98	PAF	R2	Kasatori Yama, Biwa, Japan	Pacific	KAS
KT99	AFE	D2	Kaufbeuren AB, Germany	Europe	
KU82	ARD	H1	Keeler Peak, Keeler Peak, Calif	Western	KPS
KU99	ATC	J1	Keesler AFB, Biloxi, Miss	Eastern	KEE
KV74	MTO	Q2	Keflavik Airport, Keflavik, Iceland	Eastern	KEF
KW10	ADO	C2	Keith Bay Dew Sta, Keith Bay/NWT, Canada	Eastern	KTH
KW31	ADC	F1	Kelly AFB, San Antonio, Texas	Central	KEL
KX07	AAC	A2	Kenai Airport, Alaska	Western	KEN
KX34	ADC	C1	Keno AFS, Klamath Falls, Oregon	Western	180
KY50	ARD	H1	Key West, Key West, Florida	Eastern	KEY
KZ17	ADC	C1	Killeen AFS, Killeen, Texas	Central	192
KZ31	PAF	R2	Kimpo Air Base (K-14), Kimpo, Korea	Pacific	KIM
KZ36	ADC	C1	Kincheloe AFB, Kinross, Michigan	Central	KNH
KZ40	MTO	Q2	Kindley AFB, St. George, Bermuda	Eastern	KIN
KZ48	AFE	D2	Kindsbach Comm Sta, Kindsbach, Germany	Europe	KSH
KZ60	AAC	A2	King Salmon Air port, Naknek, Alaska	Western	KSM

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POSP CODE	HOST CMD	COMD CODE	BASE OR SITE AND LOCATION	RESP GEEIA REGION	3-DIGIT CODE
LA05	ADC	C1	Kingsley Field, Klamath Falls, Ore	Western	KIN
LB82	AFE	D2	Kirknewton RAF, Kirknewton/Midlothian, Scotland	Europe	KIR
LB99	ADC	C1	Kirksville AFS, Kirksville, Mo	Central	P64
LC15	AFD	H1	Kirtland AFB, Albuquerque, New Mex	Central	KIR
LC66	AMO	F2	Kisarazu AB, Kisarazu/Honshu Island, Japan	Pacific	KIS
LC75	AFE	D2	Kitzingen AB, Germany	Europe	
LC77	ADO	C2	Kivitoc Dew Sta, Kivitoc/NWT, Canada	Eastern	KIV
LD07	ADC	C1	Klamath AFS, Klamath, Calif	Western	P33
LE59	AFE	D2	Koeterberg MSL, Germany	Europe	
LF48	PAF	R2	Komaki TCN, Japan	Pacific	
LG57	AAC	A2	Kotzebue AFS, Kotzebue, Alaska	Western	KOT
LG69	PAF	R2	Kozoji AMO, Japan	Pacific	
LH20	ADO	C2	Kulusuk Island Dew Sta, Kulusuk Island, Grnld	Eastern	KUL
LH31	PAF	R2	Kume Shima Air Sta, Kume Shima Island, Ryk	Pacific	KUM
LH40	PAF	R2	Kunia Annex, Oahu Island, Hawaii	Pacific	KUA
LH57	PAF	R2	Kunsan, Kunsan AB (K-8), Korea	Pacific	KUN
LH93	PAF	R2	Kushimato CMF, Japan	Pacific	
LI66	MTO	Q2	Kwajalein NAS, Kwajalein Island, Mshl	Pacific	KWA
LK44	ADO	C2	LaScie GAP, Canada	Eastern	
LK52	ADO	C2	Lac St Denis RCAF, ASN, Canada	Eastern	
LK66	ATC	J1	Lackland AFB, San Antonio, Texas	Central	LAC, P75

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POSP CODE	HOST CMD	COMD CODE	BASE OR SITE AND LOCATION	RESP GEEIA REGION	3-DIGIT CODE
LK91	AAC	A2	Ladd AFB, Fairbanks, Alaska	Western	LAD
LL66	MTO	Q2	Lajes Fld, Azores-Terceira Island, Azores	Europe	LAJ
LM27	ADC	C1	Lake City AFS, Lake City, Tenn	Eastern	P42
LM40	AAC	A2	Lake Louis, Alaska	Western	LAL
LN07	AFE	D2	Lakenheath RAF, Lakenheath/Suffolk, England	Europe	LAK
LC23	AFE	D2	Landsberg AB, Germany	Europe	
LC52	AFE	D2	Landshut RSI, Germany	Europe	
LC83	MTO	Q2	Langanes AC/W Sta, Langanes Peninsula, Iceland	Eastern	LNG
LP23	AFE	D2	Langerkopf AC/W Sta, Langerkopf, Germany	Europe	LKF
LP91	TAC	T1	Langley AFB, Hampton, Virginia	Eastern	LAN
LR62	AFE	D2	Laon Athies Afld, Laon Athies, France	Europe	LAO
LR57	AFE	D2	Laon AB, Laon/Couvron, France	Europe	LNO
LR91	ATC	J1	Laredo AFB, Laredo, Texas	Central	LDO
LS48	SAC	S1	Larsen AFB, Moses Lake, Washington	Western	LAR
LT14	ADC	C1	Las Cruces AFS, Las Cruces, N.M.	Central	M95
LT31	ADC	C1	Las Vegas, Las Vegas, Nevada	Western	163
LT65	MTO	Q2	La Trar AC/W Sta, Straumnes Peninsula, Iceland	Eastern	LET
LT82	SAC	S1	Laughlin AFB, Del Rio, Texas	Central	LAU
LU07	ARD	H1	Laurence G. Hanscom Fld, Bedford, Mass	Eastern	LGH
LU83	MTC	Q1	Lawson Field AI, Columbus, Georgia	Eastern	LAW
LV34	AFE	D2	Le Chenoy Rad Rel Anx, Le Chenoy, France	Europe	LCY

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PCSP CODE	HOST C:D	COMD CODE	BASE OR SITE AND LOCATION	RESP GEEIA REGION	3-DIGIT CODE
LW53	AFE	D2	Lechfeld Aux Fld, Germany	Europe	
LW94	AFE	D2	Leghorn/Pisa, Leghorn, Italy	Europe	LEG
LX19	AFE	D2	Lelpheim AB, Germany	Europe	
LY27	ADC	C1	Lewistown AFS, Lewistown, Montana	Western	178

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POSP CODE	HOST CMD	COMD CODE	BASE OR SITE AND LOCATION	RESP GEEIA REGION	3-DIGIT CODE
MA23	SAC	S1	Lincoln AFB, Lincoln, Neb.	Central	LIN
MA95	AFE	D2	Lindsey ASN, Germany	Europe	
MC05	SAC	S1	Little Rock AFB, Little Rock, Ark	Central	LIT
MD15	SAC	S1	Lockbourne AFB, Columbus, Ohio	Eastern	LCC
MD70	ADC	C1	Lockport AFS, Shawnee, New York	Eastern	P21
ME32	ADC	C1	Lompoc AFS, Lompoc, California	Western	R15
ME66	AFE	D2	London Air Port, Heathrow, England	Europe	LDN
MF09	ADC	C2	Lonely Dew Sta, Lonely, Alaska	Western	LNY
MF55	AFE	D2	Long Fosse RRL, Long Fosse/Lesois Juli, France	Europe	LOF
MF23	CNC	M1	Long Beach Muni Apt, Long Beach, Calif	Western	LGB
MF89	SAC	S1	Loring AFB, Limestone, Maine	Eastern	LOR
MG94	ARD	H1	Los Lunas AFRGE, Los Lunas, New Mexico	Central	LOL
MI74	ATC	J1	Lowry AFB, Denver, Colo	Central	LOW
MI95	ADC	C2	Lowther Air Sta, Lowther, Canada	Eastern	119
MJ36	ADC	C1	Lufkin AFS, Lufkin, Texas	Central	193
MJ40	TAC	T1	Luke AFB, Phoenix, Arizona	Western	LUK
MJ74	TAC	T1	Luke AF Aux Fld Nr. L, Whittman, Ariz	Western	LUX
MK32	TAC	T1	Luke Williams Range, Ajo, Ariz	Western	181
MK66	AMC	F1	Lynn Haven Sta, Florida	Eastern	
MM15	SAC	S1	MacDill AFB, Tampa, Florida	Eastern	MAC,129
MN23	ADC	C1	Madera AFS, Madera, California	Western	P74
M0O7	SAO	S2	Madrid, Madrid, Spain	Europe	MAD

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POSP CODE	HOST CMD	COMD CODE	BASE OR SITE AND LOCATION	RESP GEEIA REGION	3-DIGIT CODE
MO25	AFE	D2	Maintenay Microwave Annex, Maintenay, France	Europe	MAI
MO50	AFE	D2	Maison Fort Rad Rel Site, Maison Fort, France	Europe	MFT
MO68	ADC	C1	Makah AFS, Neah Bay, Wash	Western	P44
MP15	ATC	J1	Malden Air Base, Malden, Mo	Central	MAN
MP31	ADC	F1	Mallory AFS, Memphis, Tenn	Eastern	MLY
MP36	SAC	S1	Malmstrom AFB, Great Falls, Montana	Western	SM147, MAL
MP84	ADC	C1	Manassas AFS, Manassas, Virginia	Eastern	P55
MR86	CNC	M1	Manhatten Beach AFS, N.Y.	Eastern	
MU48	SAC	S1	March AFB, Riverside, Calif	Western	MAR
MV17	ARD	H1	Marco Island, RSI D-7, Marco, Fla	Eastern	MCO
MW31	ADC	F1	Marietta AFS, Marietta, Pennsylvania	Eastern	MRI
MW32	ADC	C1	Marietta AFS, Marietta, Georgia	Eastern	111
MX24	AFE	D2	Marktwald Radio Relay, Marktwald, Germany	Europe	MAR
MX32	AFE	D2	Marley Le Roi Adm, Paris, France	Europe	MLY
MX76	AFE	D2	Marsberg NSL, Germany	Europe	
MX80	AFE	D2	Marseille/Marignane AFLD, Marseille, France	Europe	MLE
MZ03	AFE	D2	Martlesham H RAF, ADM, England	Europe	

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PCSP CODE	HOST CMD	COMD CODE	BASE OR SITE AND LOCATION	RESP GEEIA REGION	3-DIGIT CODE
NA23	SAC	S1	Matagorda Isl AFRGE, Fort O'Connor, Tex	Central	MAT
NA40	ATC	J1	Mather AFB, Sacramento, Calif	Western	MHR, P58
NB57	AFE	D2	Mausdorf, Germany	Europe	
NB82	AU	K1	Maxwell AFB, Montgomery, Ala	Eastern	MAX
NC16	ARO	H2	Mayaguana Aux AFld, Mayaguana, Bahamas	Eastern	MAY
NC25	ARO	H2	Mayaguez MTK, Mayaguez, PR	Eastern	MAG
ND74	ADC	C1	McChord AFB, Tacoma, Washington	Western	TCM, P-1
NE31	AMC	F1	McClellan AFB, McClellan, Calif	Western	MCL
NF18	SAC	S1	McConnell AFB, Wichita, Kansas	Central	MCN
NF27	SAC	S1	McCoy AFB, Orlando, Florida	Eastern	MCC
NF37	AAC	A2	McGrath TACAN Annx, McGrath, Alaska	Western	MCG
NF57	ATC	J1	McGregor AF Aux Fld, Waco, Tex	Central	MCR
NF74	MTC	Q1	McGuire AFB, Wrightstown, NJ	Eastern	MCG
NG74	AFE	D2	Mechra Bel Ksiri AC/W Sta, Mechra Bel Ksiri, Morocco	Europe	MSC
NH17	ADC	C2	Melville Air Sta, Goose Bay/Labrador, Canada	Eastern	C24
NI33	AFE	D2	Memmingen Aux Fld, Germany	Europe	<
NI48	CNC	M1	Memphis Muni Apt, Memphis, Tenn	Eastern	MEM
NJ05	AFE	D2	Menetreols Sous BtL, Menetreols, France	Europe	MEN
NL40	CNC	M1	Miami Intl Apt, Miami, Fla	Eastern	MIA
NL78	ADC	C1	Mica Peak AFS, Geiger Field, Wash	Western	151

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POSP CODE	HOST CMD	COMD CODE	BASE OR SITE AND LOCATION	RESP GEEIA REGION	3-DIGIT CODE
NM57	AAC	A2	Middleton Island AFS, Middleton Island, Alaska	Western	MID
NO74	AFE	D2	Mildenhall RAF, Ely/Suffolk, England	Europe	MIL
NO91	ADC	C1	Miles City AFS, Miles City, Montana	Western	M98
NP11	ADC	C1	Mill Valley AFS, Mill Valley, Calif	Western	P38
NR40	PAF	R2	Mineoka Yama Air Sta, Mineoka Yama, Japan	Pacific	MIN
NR99	CNC	M1	Minneapolis/St Paul IAP, Minneapolis/ Ft Snell, Minn	Central	MSP
NS66	ADC	C1	Minot AFS, Minot, North Dakota	Central	P28
NS85	ADC	C1	Minot AFB, Minot, North Dakota	Central	MIN
NS95	ADC	F1	Mira Loma AFS, Mira Loma, Calif	Western	MLO
NT15	PAF	R2	Misawa Air Base, Furumaki/Honshu Island, Japan	Pacific	MIS
NT57	PAF	R2	Mishima Air Sta, Mishima, Japan	Pacific	MHA
NU23	AFE	D2	Misurata AC/W Sta, Misurata, Libya	Europe	MSA
NU31	CNC	M1	Mitchel AFB, Hempstead, New York	Eastern	MIT
NV40	PAF	R2	Miyako Jima Air Sta, Miyako Jima Island, RYK	Pacific	MIY
NW15	MTC	Q1	Moffett NAS, Moffett Fld, Calif	Western	MOF
NW48	AFE	D2	Molesworth RAF, Huntingdon/Huntshire, Eng	Europe	MOL
NY17	ADC	C1	Montauk AFS, Montauk, New York	Eastern	P45
NZ10	AFE	D2	Monthenault Microwave Annex, Monthenault, France	Europe	MLT

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FCSP CODE	HOST CMD	COMD CODE	BASE OR SITE AND LOCATION	RESP GEEIA REGION	3-DIGIT CODE
OA02	AFE	D2	Montsuzain Microwave Anx, Montsuzain, France	Europe	MSN
OA07	ATC	J1	Moody AFB, Valdosta, Georgia	Eastern	MOO
OA40	ATC	J1	Moore AB, Mission, Texas	Central	MCR
OB02	AFE	F2	Morbach Ammo Stg Anx, Rapperath, Germany	Europe	MOH
OB74	ADC	C1	Moriarty AFS, Moriarty, New Mexico	Central	F51
OC20	SAC	S2	Moron Air Sta, W-3, Constantina, Spain	Europe	MX3
OC22	SAC	S2	Moron Ab, Seville, Spain	Europe	MOR
OC61	ADC	C1	Mt Hebo AFS, Hebo, Oregon	Western	100
OC99	SAC	S1	Mountain Home AFB, Mountain Home, Idaho	Western	MOU
OG07	ADC	C1	Mt Laguna AFS, Mt Laguna, California	Western	F76
OG11	ADC	C1	Mt Lemmon AFS, Tucson, Arizona	Western	M92
OG66	SAC	S2	Mt Santa Rosa AC/W, Guam Island, Marianas	Pacific	MX3
OG72	MTO	Q2	Mt Susitna AFS, Anchorage, Alaska	Western	SUS
OH62	AFE	D2	Muehl-Zuesch MWV, Muehl, Germany	Europe	MUE
OH76	AAC	A2	Mulgrave Hill AFS, Alaska	Western	
OH99	AFE	D2	Munich, Munich, Germany	Europe	MUN
OI33	AFE	D2	Munich Reim AB, Munich Reim, Germany	Europe	MUH
OI99	AAC	A2	Murphy Dome AFS, Murtin, Alaska	Western	MUR
OJ66	TAC	T1	Myrtle Beach AFB, Myrtle Beach, S.C.	Eastern	MYR
OL48	PAF	R2	Naha AB, Okinawa Island, RYK	Pacific	NAH
OM28	SAC	S2	Namao/RCAF/ADR, Edmonton, Canada	Western	NAO
OM30	AFE	D2	Nanteuil Radio Rel Anx, Nanteuil, France	Europe	NAN
OM91	ADC	C1	Nantucket, Nantucket, Massachusetts	Eastern	NAN

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POSP CODE	HOST CMD	COMD CODE	BASE OR SITE AND LOCATION	RESP GAELA REGION	3-DIGIT CODE
OM95	ADC	C1	Nantucket Shoals Twr Anx, 41-02N/69-25W, Atlantic, Mass	Eastern	TT3
ON15	AFE	D2	Naples, Naples, Italy	Europe	NAP
ON48	ADO	C2	Narsarssuak AB, Narsarssuak, Greenland	Eastern	NAR
ON66	ADC	C1	Naselle AFS, Naselle, Washington	Western	P57
OO86	ARD	H1	National Reactor TSI, Idaho	Western	
OP10	ARD	H1	Navy Mine Sta, TSI D-1B, Navy Mines, Florida	Eastern	NAV
OR01	AAC	A2	Neklason Lake AFS, Anchorage, Alaska	Western	NEK
OR07	TAC	T1	Nellis AFB, Las Vegas, Nevada	Western	NEL
OR48	PAF	R2	Nemuro Air Sta, Nemuro, Japan	Pacific	NEM
OV42	CHC	M1	New Orleans NAS, New Orleans, Louisiana	Central	NEW
OV96	AMC	F1	3122nd USAF Logistic Cont Gp, West Orleans Army Term, Louisiana	Central	NEO
OW74	AMC	F1	New York APD, 111 E 16th St, New York, NY	Eastern	NYK
OW77	ADC	C1	New York Shoals Twr Anx, 39-40 N/72-40W, Atlantic, Mass	Eastern	TT4

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FCSP CODE	HOST CMD	COMD CODE	BASE OR SITE AND LOCATION	RESP GEELA REGION	3-DIGIT CODE
PA31	ADC	C1	Niagara Falls MAP, Niagara Falls, N.Y.	Eastern	GFS
PH15	PAF	R2	Niigata AB, Japan	Pacific	
PB27	AAC	A2	Nikolski AFS, Umnak, Alaska	Western	NIK
PC07	ADC	C1	North Bend AFS, North Bend, Oregon	Western	P12
PC33	ADC	C1	North Charleston AFS, North Charleston, South Carolina	Eastern	113
PC35	ADC	C1	North Concord AFS, North Concord, Vermont	Eastern	103
PD74	ADC	C1	North Truro AFS, North Truro, Mass.	Eastern	P10
PD82	SAC	S2	No. West Guam AFB, Guam	Pacific	
PG10	AAC	A2	Northeast Cape AFS, St Lawrence Island, Alaska	Western	NEC
PG61	AAC	A2	Northway TACAN AUX, Northway, Alaska	Western	NCR
PG99	AAC	F1	Norton AFB, San Bernardino, California	Western	NOR, P84
PH57	AAC	F1	Norwalk 1 Fuel Stor Sta, Norwalk, Calif	Western	NFS
PI23	SAC	S2	Nouasseur AB, Nouasseur, Morocco	Europe	NOU
PL40	AFE	D2	Nurnberg ABM, Germany	Europe	
PJ30	ADC	C1	Oakdale, Oakdale, Pennsylvania	Eastern	R62
PJ94	AAC	F1	Oakland OCLA Office, Oakland/Army Term, California	Western	OAK
PL31	SAC	S1	Offutt AFB, Omaha, Nebraska	Central	OFF
PM15	CNC	M1	O-Hare IAP, Chicago/AF Plant No. 8, Illinois	Central	OHA
PM35	AAC	A2	Ohlson Mountain AFS, Ohlson Mountain, Alaska	Western	OHL
PM91	PAF	R2	Okino Erabu Shima Air Sta, Okino Erabu Island, RYK	Pacific	OKI
PN09	ADC	C1	Oklahoma City AFS, Oklahoma City, Okla	Central	P52

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POSP CODE	HOST CMD	CCMD CODE	BASE OR SITE AND LOCATION	RESP GEOLA - AUTOH	3-DIGIT CODE
PN57	PAF	R2	Okushiri Shima Air Sta, Okushiri Shima, Japan	Pacific	OKU
PK82	ADC	C1	Olathe AFS, Olathe, Kansas	Central	P72
PQ11	ADC	C2	Oliktok Dew Sta, Oliktok, Alaska	Western	OLI
PQ15	ADC	F1	Olmsted AFB, Middletown, Pennsylvania	Eastern	OLM
PP07	ADC	C1	Omaha AFS, Omaha, Nebraska	Central	P71
PR11	PAF	R2	Onna Point Comm Anx, Okinawa Island, RYUKU	Pacific	ONN
PK91	ADC	C1	Opheim AFS, Opheim, Montana	Western	P26
PT66	MTC	Q1	Orlando AFB, Orlando, Florida	Eastern	ORL
PT92	AFE	D2	Orleans/Saran AAF, Orleans, France	Europe	ORS
PU07	AFE	D2	Orly Air Base, Orly, France	Europe	ORL
PU75	PAF	R2	Osan AB, Osan, Korea	Pacific	OSN
PV07	ADC	C1	Osceola AFS, Osceola, Wisconsin	Central	P35
PW31	ADC	C1	Othello AFS, Othello, Washington	Western	P40
PW40	ADC	C1	Otis AFB, Falmouth, Mass	Eastern	OTS
PW99	ADC	C2	Det 1, 696lst CCTTRON, Ontario, Canada	Eastern	DT1
PX74	ADC	C1	Oxnard AFB, Oxnard, California	Western	OXN
PZ04	ADC	C1	Ozona AFS, Ozona, Texas	Central	187
PZ70	ADC	C2	Padloping Island Dew Sta, Padloping Island/NWT, Canada	Eastern	PAD

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PCSP CODE	HOST CMD	COMD CODE	BASE OR SITE AND LOCATION	RESP GEELA REGION	3-DIGIT CODE
RA07	PAF	R2	Paengyong-Do Island, Paengyong, Korea	Pacific	PAE
RA31	ADC	C2	Pagwa Air Sta, Pagwa/Ontario, Canada	Eastern	CL4
RA48	ADC	C1	Paine AFB, Everett, Washington	Western	PAI
RB15	ADC	C1	Palermo AFS, Palermo, New Jersey	Eastern	P54
RB48	MTC	Q1	Palm Beach AFB, West Palm Beach, Florida	Eastern	PAL
RD38	AFE	D2	Paris ADM-2, France	Europe	
RD70	ADC	C2	Parke Peak Dew Sta, Parke Peak, Canada	Eastern	Prk
RF31	ARD	H1	Patrick AFB (BM), Cocoa, Florida	Eastern	PAT
RG81	SAC	S1	Pease AFB, Portsmouth, New Hampshire	Eastern	PEA
RI23	ADC	C2	Pepperrell AFB, St. Johns/Nfld, Canada	Eastern	PEP
RI57	ATC	J1	Perrin AFB, Sherman, Texas	Central	PER
RJ07	AFE	D2	Persan, France	Europe	
RJ32	AFE	D2	Peshawar ASN, Pakistan	Europe	
RJ40	ADC	C1	Petaluma, Petaluma, California	Western	PEL
RJ66	ADC	C1	Peterson Field, Colorado Springs, Colo	Central	PET
RJ70	AFE	D2	Petit Mollens Microwave Anx, Mollens, France	Europe	PET
RJ99	AFE	D2	Phersfeld Air Aux Fld, Phersfeld, Germany	Europe	PHE
RK15	AFE	D2	Pforzheim AC/W Sta, Pforzheim, Germany	Europe	PFO
RK31	AFE	D2	Phalsbourg AB, Phalsbourg, France	Europe	PHA
RM19	ADC	C1	Pickstown AFS, Pickstown, South Dakota	Central	134

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FCSP CODE	HOST CMD	COMD CODE	BASE OR SITE AND LOCATION	RESP GEEIA REGION	3-DIGIT CODE
RM33	ADC	C2	Piling Lake Dew Sta, Baffin Island, Canada	Eastern	PIL
RO95	SAC	S1	Plattsburg AFB, Plattsburg, New York	Eastern	PLB
RR23	ADC	C1	Point Arena AFS, Point Arena, California	Western	P37
RR32	ADC	C2	Point Barrow AFS, Point Barrow, Alaska	Western	POI
RR48	ADC	C1	Point Conception, Point Conception, Calif	Western	PTC
RR61	ADC	C2	Point Lay Dew Sta, Point Lay, Alaska	Western	LAY
RS08	AFE	D2	Poitiers Radio Relay Site, Poitiers, France	Europe	PTR
RT57	TAC	T1	Pope AFB, Fort Bragg, North Carolina	Eastern	POP
RU48	ADC	C1	Port Austin AFS, Port Austin, Michigan	Eastern	P61
RV02	AAC	A2	Port Hardy, Port Hardy/BC, Canada	Western	POR
RV03	AAC	A2	Port Heiden AFS, Meshik Village, Alaska	Western	PTH
RV27	ADC	C1	Port Isabel AFS, Port Isabel, Texas	Central	190
RV33	AFE	D2	Port Lyautey ADL Annex, Port Lyautey, French Morocco	Europe	PTL
RV36	AAC	A2	Port Moller AFS, Alaskan Peninsula	Western	PTM
RW66	ADC	C1	Portland IAP, Portland, Oregon	Western	POR
RX82	ATC	Q1	Post Ft Sill Fld, Okla	Central	
RZ91	SAC	S1	Presque Isle AFB, Presque Isle, Maine	Eastern	PQI

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GSF CODE	HOST CMD	COMD CODE	NAME OF SITE AND LOCATION	AGSF GEOG. AREA	3-DIGIT CODE
SA31	AFE	D2	Prestwick MTCA, Ayr/Ayrshire/Scotland,UK	Europe	F03
SC93	ADC	C2	Pontal Mt Air Sta, Williams Lake/BC,Canada	Western	C19
SD31	PAF	R2	Pusan Air Base-East (K-9), Pusan, Korea	Pacific	F03
SD40	PAF	R2	Pusan West AFD, Korea	Pacific	
SD74	PAF	R2	Pyong Taek Aux Fld, Korea	Pacific	
SE01	ADC	C1	Pyote AFS, Pyote, Texas	Central	136
SE10	ADC	C2	Qaqatoqaq Dew Sta, Caqatoqaq, Greenland	Eastern	C45
SE52	AFS	D2	Rabat Liaison Office Adm, Rabat, Morocco	Europe	F40
SE70	AFS	D2	Rabat Sta, Morocco	Europe	
SG02	AFS	D2	Rambures Microwave Aux, Rambures, France	Europe	F43
SG23	SAC	S2	Ramey AFB, Aguadilla, PR	Eastern	[illegible]
SG40	ADC	C2	Ramore Air Sta, Ramore/Ontario, Canada	Eastern	C10
SG67	AFS	D2	Ramstein AB, Landstuhl/French Zone, Germany	Europe	F48
SG82	ATC	J1	Randolph AFB, San Antonio, Texas	Central	[illegible]
SI99	AFC	C1	Red Bluff AFS, Red Bluff, California	Western	157
SJ20	ADC	C2	Redcliff Air Sta, St. John/N.B., Canada	Eastern	C42
SJ74	ATC	J1	Reese AFB, Lubbock, Texas	Central	152
SJ99	AFS	D2	Regensburg, Germany	Europe	
SK43	AFE	D2	Reinenbach AGI, Germany	Europe	
SL06	SAC	S2	Resolute Bay Aux Airf, Resolute Bay,Canada	Eastern	F03
SL15	ADC	C2	Resolution Island Air Sta, Cape Dorwick/ NWT, Canada	Eastern	C30

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PCSP CODE	HOST CMD	COMD CODE	BASE OR SITE AND LOCATION	RESP GEELA AGGTCN	3-DIGIT CODE
SL35	SAO	S2	Reus AB, Tarragona, Spain	Europe	REU
SL48	MTC	Q2	Reykjavik, Reykjavik, Iceland	Eastern	REY
SL57	AFE	D2	Rhein/Main AB, Frankfurt, Germany	Europe	RME
SM29	SAC	S1	Richard Bong AFB, Kansasville, Wisconsin	Central	RIB
SM30	ADC	C1	Richards-Gabaur AFB, Kansas City, Missouri	Central	RGB
SN86	AFE	D2	Ringstead Tropo Site, England	Europe	RIN
SP05	ADC	C1	Roanoke Rapids AFS, Roanoke Rapids, N.C.	Eastern	117
SR40	ADC	F1	Robins AFB, Macon, Georgia	Eastern	RCB
ST35	ADC	C1	Rockport AFS, Rockport, Texas	Central	191
ST48	ADC	C1	Rockville AFS, Rockville, Indiana	Eastern	P53
SV11	SAO	S2	Rosas AC/W Sta, Barcelona, Spain	Europe	ROS
SV66	CNC	M1	Roslyn AFS, Roslyn, New York	Eastern	P-3
SW10	AMO	F2	Rota Pol Strg Anx No. 1, Cadiz/Rota Area, Spain	Europe	RPS
SW15	AFE	D2	Rothwesten, Kassel, Germany	Europe	RCT
SW42	ADO	C2	Rowley Island Dew Sta, Bradley Island/ NWT, Canada	Eastern	ROW
SX23	ADC	F1	Rushmore AFS, Rapid City, South Dakota	Central	RUS
SY40	ARO	H2	Sabana De La Mare MTK, Sabana De La Mare, Dominican Republic	Eastern	SAB
SY57	PAF	R2	Sachon AFD, Korea	Pacific	
SY59	AMO	F2	Sacierge Rad Rel Site, Sacierge, France	Europe	SAC

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PCSP CODE	HOST CMD	COMD CODE	BASE OR SITE AND LOCATION	RESP GEEIA REGION	3-DIGIT CODE
SZ15	ARD	HI	Sacramento Peak Anx, Sacramento Peak, New Mexico	Central	SAF
SZ20	PAF	R2	Sado Shima Air Sta, Sado Shima/Honshu Island, Japan	Pacific	SAD

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FCSP CODE	HOST CMD	COMD CODE	BASE OR SITE AND LOCATION	RESP GEEIA REGION	3-DIGIT CODE
TA05	ADO	C2	Saglek Bay Air Sta, Saglek Bay/Labr, Canada	Eastern	C29
TA20	SAC	S1	Sahuarita AFRGE, Tuscon, Ariz	Western	SAH
TA66	AFE	D2	Saidia Dukiss AC/W Sta, Saidia Dukiss, Morocco	Europe	SAI
TB23	AFE	D2	Sal Airfield, Cape Verde Islands	Europe	SAL
TB63	AFE	D2	Sale Hq Adm Site, Sale, French Morocco	Europe	SLE
TD68	AFE	D2	Samsun RSM Annex, Samsun, Turkey	Europe	SAM
TE66	ADC	C1	San Clemente Isle AFS, San Clemente Isle, Calif	Western	P39
TE96	ADC	C1	SanDiego NAS, California	Western	
TI36	SAO	S2	San Pablo, Seville, Spain	Europe	SAP
TI67	ADC	C1	San Pedro Hill AFS, San Pedro Hill, Calif	Western	R39
TJ00	ARO	H2	San Salvador AF Aux Fld, San Salvador Island, Bahamas	Eastern	SAN
TJ13	AFE	D2	San Vito Dei Normanni, San Vito Dei Normanni, Italy	Europe	SAV
TJ56	AAC	A2	Sandspit, Sandspit/BC, Canada	Western	STP
TJ23	NTO	Q2	Santa Maria Apt, Santa Maria Island, Azores	Europe	SMA
TL91	ADC	C1	Santa Rosa Isle AFS, Santa Rosa Isle, Calif	Western	P15
TM61	ADC	C1	Saratoga AFS, Saratoga Springs, N.Y.	Eastern	P50
TM84	ADO	C2	Sarepa Lake Dew Sta, Sarepa Lake Peninsula/NWT, Canada	Eastern	SAR
TN03	ADO	C2	Saskatoon Nt Air Sta, Beaver Lodge/Alb, Canada	Western	C21

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POSF CODE	HOST CMD	COMD CODE	BASE OR SITE AND LOCATION	RESP GEEIA REGION	3-DIGIT CODE
TM48	ADC	C1	Sault Ste Marie AFS, Sault Ste Marie, Mich	Central	P66
TR60	AFE	D2	Sauze Vaussais Rad Rel Site, Sauze Vaussais, France	Europe	SAU
TQ95	SAC	S1	Schilling AFB, Salina, Kansas	Central	SCH
TP22	AFE	D2	Schwarnzell CIF, Schwarnzell, Germany	Europe	SCH
TP46	AFE	D2	Schwanberg Radio Relay, Schwanberg, Germany	Europe	SCW
TP66	AFE	D2	Schwarzenborn RSI, Germany	Europe	
TR57	MTC	Q1	Scott AFB, Belleville, Ill	Central	SCO
TS40	AFE	D2	Schulthorpe RAF, Schulthorpe/Norfolk, England	Europe	SLT
TS66	AFE	D2	Sealand, England	Europe	
TU15	PAF	R2	Seburi Yama Air Sta, Seburi Yama, Japan	Pacific	SEB
TV07	ADC	C1	Selfridge AFB, Mt. Clemens, Mich	Eastern	SEL, P20
TW07	AFE	D2	Sembach AB, Sembach, Germany	Europe	SEM
TW66	PAF	R2	Seoul AB, (K-16), Korea	Pacific	SEO
TW79	ADC	C2	Seven Islands, Seven Islands/Quebec, Canada	Eastern	SVI
TX15	TAC	T1	Sewart AFB, Smyrna, Tenn	Eastern	SEW
TX37	TAC	T1	Seymour Johnson AFB, Goldsboro, N.C.	Eastern	SEY
TY09	ADC	C1	Shafter GAP, Shafter, Calif	Western	SHF, R10
TY91	TAC	T1	Shaw AFB, Sumter, S.C.	Eastern	SHA

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POSP CODE	HOST COND	COND CODE	BASE OR SITE AND LOCATION	RESP GEEIA REGION	3-DIGIT CODE
UA48	AAC	A2	Shemya Island AFS, Shemya, Alaska	Western	SHE
UA82	AFE	D2	Shepherds Grove RAF, Stanton/Suffolk, England	Europe	SPH
UA91	ATC	J1	Sheppard AFB, Wichita Falls, Texas	Central	SHE
UC91	PAF	R2	Shiroi AB, Shiroi/Honshu Island, Japan	Pacific	SHI
UD20	AFE	D2	Shooting Box ADM, England	Europe	
UD31	PAF	R2	Showa Air Sta, Japan	Pacific	SHO
UD68	PAF	R2	Shu Lin Kou Aux AB, Taipei, Taiwan	Pacific	SLK
UD74	ARD	H1	Sidell Rad., TSI D-5C, Sidell, Florida	Eastern	SDL
UD91	AFE	D2	Sidi Slimane AB, Sidi Slimane, Morocco	Europe	SID
UD97	AFE	D2	Sidi Yahia RRL, Sidi Yahia, Morocco	Europe	SIY
UE07	ADO	C2	Sidney, Sidney, Canada	Eastern	C34
UE46	AFE	D2	Siegelbach Switching Anx, Kaiserslautern, Germany	Europe	SIE
UF64	ADO	C2	Simpson Lake Dew Sta, Simpson Lake/NWT, Canada	Eastern	SIM
UF80	AFE	D2	Sinop, Turkey	Europe	
UF99	ADC	C1	Sioux City MAP, Sioux City, Iowa	Central	SIC
UG82	ADO	C2	Sioux Lookout Air Sta, Sioux Lookout/ Ontario, Canada	Eastern	C16
UH01	AAC	A2	Sitkinak AFS, Alaska	Western	
UH20	AFE	D2	Skhour Des Rehama RRL, Skhour Des Rehama, Morocco	Europe	SKH
UJ46	CNC	M1	Snelling AFS, St Paul, Minn	Central	P36
UJ50	ADC	C1	Snow Mt AFS, Fort Knox, Kentucky	Eastern	P82

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ACSP CODE	HOST COMD	COMD CODE	BASE OR SITE AND LOCATION	RESP GEEIA REGION	3-DIGIT CODE
UK74	AMO	F2	South Ruislip, South Ruislip, France	Europe	SRU
UK82	AFE	D2	South Ruislip US Air Base, South Ruislip/ Middlesex, England	Europe	SOR
UL15	AFE	D2	Soesterberg, Soesterberg, Netherlands	Europe	SOE
UL43	AAC	A2	Soldotna AFS, Kenai, Alaska	Western	SNA
UL44	SAO	S2	Soller AC/W Sta, Soller/Mallorca Area, Spain	Europe	SOL
UM15	ADO	C2	Sondrestrom Air Base, Sondrestrom Fjord, Greenland	Eastern	SON
UM68	AFE	D2	Souliers Rad Rel Site, Souliers, France	Europe	SOU
UO99	AFE	D2	Spangdahlem Air Base, Wittlich, Germany	Europe	SPN
UP12	AAC	A2	Sparrevohn Mt AFS, Sparrevohn, Alaska	Western	SPA
UP48	ATC	J1	Spence AB, Moultrie, Georgia	Eastern	SPE
UR03	AFE	D2	Spitalgate, England	Europe	
UR56	ADO	C2	Spotted Island GAP, Canada	Eastern	
UT07	ADC	C1	St Albans AFS, St. Albans, Vermont	Eastern	FL4
UT48	ADO	C2	Saint Anthony Air Sta, Saint Anthony/ Nfld, Canada	Eastern	C26
UU18	AFE	D2	Saint Genevieve Microwave Anx, Saint Genevieve, France	Europe	STG
UX07	AMO	F2	Saint Mihiel-Ammo Stor Sta, Saint Mihiel, France	Europe	SML
UU66	SAO	S2	St Hubert RBS, Canada	Eastern	
UX65	AFE	D2	St Simon Clastres AB, France	Europe	
UX89	AFE	D2	Saint Vincent Rad Rel Site, Saint Vincent, France	Europe	STV
UZ31	SAO	S2	Stanstead Mt Fitchet, Stanstead Mt Fitchet, England	Europe	STA

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FCSP CODE	HOST COMD	COMD CODE	BASE or SITE AND LOCATION	RESP GEEIA REGION	3-DIGIT CODE
VA66	ADC	C2	Ste Marie Air Sta, St Sylvestre/Quebec, Canada	Eastern	C-6
VA82	ATC	J1	Stead AFB, Reno, Nevada	Western	STE
VA93	AFE	D2	Stein RAdL, Germany	Europe	
VB10	AFE	D2	Steinborn MSL, Germany	Europe	
VB31	ADC	C2	Stephenville Air Sta, Stephenville/Nfld, Canada	Eastern	C23
VB82	ADC	C1	Stewart AFB, Newburgh, New York	Eastern	SWF
VC86	AFE	D2	Stoney Cross CST, England	Europe	
VC95	ADC	F1	Stoney Brook AFS, Chicopee Falls, Mass	Eastern	STB
VD09	AFE	D2	Sturgate RAF, Sturgate, England	Europe	STU
VF07	ADC	C1	Suffolk County AFB, Westhampton Beach, New York	Eastern	SUF
VG61	ADC	C1	Sundance AFS, Sundance, Wyoming	Western	201
VH13	AFE	D2	Surgeres Radio Rel Site, Surgeres, France	Europe	SUR
VH66	PAF	R2	Suwon Air Base, Suwon, Korea	Pacific	SUW
VL42	ADC	C1	Sweetwater AFS, Sweetwater, Texas	Central	MS9
VL47	AFE	D2	Swingate RAF Comm Anx, Ramsgate/Kent, England	Europe	SWI
VJ74	ADC	F2	Tachikawa AB, Tachikawa/Honshu Island, Japan	Pacific	TAC
VK91	PAF	R2	Taegu Fld, Taegu, Korea	Pacific	TAE
VL24	PAF	R2	Tainan, Tainan, Taiwan	Pacific	TAI
VL25	PAF	R2	Taipei, Taipei, Taiwan	Pacific	TAP

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POSP CODE	HOST COMD	COMD CODE	BASE OR SITE AND LOCATION	RESP GEEIA REGION	3-DIGIT CODE
VL35	PAF	R2	Takahatayama, Toi Saki, Japan	Pacific	TAK
VL82	PAF	R2	Takao Yama Air Sta, Takao Yamo/Honshu Island, Japan	Pacific	TAY
VM48	AMC	F2	Tama Ammo Stg Sta, Tachikawa/Honshu Island, Japan	Pacific	TAM
VM89	AFE	D2	Taranto, Italy	Europe	TAR
VO27	AAC	A2	Tatalina AFS, Takotna, Alaska	Western	TAT
VP07	AFE	D2	Tegel, Berlin, Germany	Europe	TEG
VP79	ARD	H1	Temple Terrace RRL, TSI D-5, Temple Terrace, Florida	Eastern	TEM
VP85	AFE	D2	Tempelhof Central Apt, Berlin, Germany	Europe	TEM
VR53	AFE	D2	Teufelskopf Rad Rel Anx, Teufelskopf, Germany	Europe	TEU
VR82	ADC	C1	Texarkana AFS, Texarkana, Arkansas	Central	M91
VT54	ADC	C1	Thomasville AFS, Thomasville, Alabama	Eastern	197
VT82	ADC	C2	Thule AB, Thule, Greenland	Eastern	G32
VU40	ADC	C1	Tierra Amarilla AFS, New Mexico	Central	
VU88	AAC	A2	Tin City AFS, Cape Prince of Wales, Alaska	Western	TIN
VV74	AMC	F1	Tinker AFB, Oklahoma City, Oklahoma	Central	TIN
VX19	AAC	A2	Tok Junction, Alaska	Western	TOK
VX31	PAF	R2	Tokyo, Japan	Pacific	
VX39	PAF	R2	Tokyo International Apt, Tokyo/Honshu Island, Japan	Pacific	TYO
VY07	PAF	R2	Tomari Air Sta, Tomari, Japan	Pacific	TOM
VY82	ADC	C1	Tonopah, Tonopah, Nevada	Western	164

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POSP CODE	HOST COMD	COMD CODE	BASE OR SITE AND LOCATION	RESP GEEIA REGION	3-DIGIT CODE
VZ40	ADC	F1	Topeka AFS, Topeka, Kansas	Central	TOK
VZ71	ADC	C1	Topsham AFS, Topsham, Maine	Eastern	TOP
VZ82	ADO	C2	Torbay Arpt/RCAF, St Johns/Nfld, Canada	Eastern	TOR

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FCSP CODE	HOST COMD	COMD CODE	BASE OR SITE AND LOCATION	RESP GEEIA REGION	3-DIGIT CODE
WA13	SAO	S2	Torrejon 2, ASN, Spain	Europe	
WA15	SAO	S2	Torrejon AB, Madrid, Spain	Europe	TJN
WA18	SAO	S2	Torrejon 1, ASN, Spain	Europe	
WA30	SAO	S2	Torrejon Pol Stor Anx 5, Madrid, Spain	Europe	TPS
WA63	AFE	D2	Toul/Rosiere AB, Rosiere-En-Haye, France	Europe	TOU
WB28	AFE	D2	Trabzon RSM Anx, Trabzon, Turkey	Europe	TRA
WB74	MTC	Q1	Travis AFB, Fairfield, California	Western	TRA
WD40	AFE	D2	Trier, Trier, Germany	Europe	TRE
WD73	ARO	H2	Trinidad Test Site, Trinidad, BWI	Eastern	TnI
WE57	ADC	C1	Truax Field, Madison, Wisconsin	Central	TRX
WG18	ADO	C2	Tuktoyaktuk Dew Sta, Tuktoyaktuk, NWT, Canada	Western	TUK
WI31	SAC	S1	Turner AFB, Albany, Georgia	Eastern	TUR
WJ74	ADC	C1	Tyndall AFB, Panama City, Florida	Eastern	TYN, 198
WL07	AFE	D2	Ulm AC/W Sta, Ulm/Turkheim, Germany	Europe	ULM
WL70	AAC	A2	Unalakleet AFS, Unalakleet, Alaska	Western	UNA
WM07	PAF	R2	Uni Shima Air Sta, Osawa/Wajima, Japan	Pacific	UNI
WN13	ADC	C1	Union City AFS, Union City, Tennessee	Eastern	UZA
WN03	SAO	S2	Upernavik Nav Aid F, Upernavik, Greenland	Eastern	UPE
WN15	SAO	S2	Upper Heyford RAF, Upper Heyford/Oxfordshire, England	Europe	UPP
WN61	ACD	B1	USAF Academy, Colorado Springs, Colorado	Central	AFA
WO23	AFE	D2	Uxbridge, England	Europe	

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POSP CODE	HOST COMD	COMD CODE	BASE OR SITE AND LOCATION	RESP GEEIA REGION	3-DIGIT CODE
WO25	AFE	D2	Uxbridge RAF Flt Sv Anx, Uxbridge/London, England	Europe	UXB
WR07	ATC	J1	Vance AFB, Enid, Oklahoma	Central	VAN
WS45	SAC	S1	Vanderburg AFB, Lompoc, California	Western	VNB
WS62	AFE	D2	Vaux Rouillac Rad Rel Site, Vaux Rouillac, France	Europe	VAU
WS68	AMC	F2	Velles Rad Rel Site, Velles, France	Europe	VEL
WT50	AFE	D2	Verdun Radio Relay Site, Verdun, France	Europe	VER
WU35	AMC	F1	Verona Test Anx, Verona, New York	Eastern	VER
WU57	AFE	D2	Vincenza, Vincenza, Italy	Europe	VIN
WV62	AFE	D2	Vierzon Radio Relay Site, Vierzon, France	Europe	VIE
WV93	AFE	D2	Villers-En-Artheis RRL Site, Villers-En-Artheis, France	Europe	VEA
WW12	ADC	C1	Vincent NI, Yuma, Arizona	Western	VIN, 162
WX28	AFE	D2	Vouziers/Sechault AB, Vouziers, France	Europe	VOU
WX29	AFE	D2	Vouzon Rad Rel Site, Vouzon, France	Europe	VZN
WX42	ADC	C2	W. Baffin Island Dew Sta, W. Baffin Island/NWT, Canada	Eastern	WBI
WX74	AFE	D2	W. Drayton RAF, England	Europe	
WY09	ADC	C1	West Mesa AFS, West Mesa, New Mexico	Central	M94
WZ26	TAC	T1	Waco 12 AF Base Hq Office, Waco, Texas	Central	WAC
WZ48	ADC	C2	Wadena AFS, Wadena, Minn	Central	P17

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FCSP CODE	HOST COMD	COMD CODE	BASE OR SITE AND LOCATION	RESP GEEIA REGION	3-DIGIT CODE
XA02	ADC	C2	Wainwright Dew Sta, Wainwright, Alaska	Western	WAI
XA63	PAF	R2	Wajima Air Sta, Wajima/Honshu Island, Japan	Pacific	WAJ
XA41	PAF	R2	Wake Island NAS, Wake Island, Wake	Pacific	WAK
XA74	PAF	R2	Wakkanai Air Sta, Wakkanai/Hokkaido Island, Japan	Pacific	WAK
XB23	SAC	S1	Walker AFB, Roswell, New Mexico	Central	WAL, P90
XB08	PAF	R2	Wallace Air Sta, Luzon Island, P.I.	Pacific	WAL
XC50	ADC	C1	Walnut Ridge AFS, Walnut Ridge, Arkansas	Central	143
XE07	HQC	P1	Washington, Washington D.C.	Eastern	WAS
XE72	HQC	P1	Washington Hq USAF, Pentagon Bldg., D.C.	Eastern	WHQ
XF31	MTC	Q1	Washington National Arpt, Washington, D.C.	Eastern	DCA
XF66	AFE	D2	Wasserkuppe Air Sta, Gersfeld, Germany	Europe	WAS
XG66	ADC	C1	Watertwon AFS, Watertown, New York	Eastern	P49
XI40	ADC	C1	Waverly AFS, Waverly, Iowa	Central	P81
XJ15	ATC	J1	Webb AFB, Big Springs, Texas	Central	WEB
XK42	AFO	F2	Welford RAF, Welford/Berkshire, England	Europe	WEL
XL48	AMC	F1	Wendover AFB, Wendover, Utah	Western	WEN
XM74	SAC	S1	Westover AFB, Chicopee Falls, Mass.	Eastern	WES
XN48	AFE	D2	Wethersfield RAF, Wethersfield/Essex, England	Europe	WET
XO15	PAF	R2	Wheeler AFB, Oahu Island, Hawaii	Pacific	WHE
XO66	AFE	D2	Wheelus AFB, Tripoli, Libya	Europe	WEE
XP66	ARD	H1	White Sands Proving Grounds, Las Cruces, New Mexico	Central	WPG

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PCSP CODE	HOST COMD	COMD CODE	BASE OR SITE AND LOCATION	RESP GEEIA REGION	3-DIGIT CODE
XP82	AAC	A2	Whitehouse Arpt, Whitehouse/Yukon Terr, Canada	Western	WHI
XP83	SAC	S1	Whiteman AFB, Knobnoster, Missouri	Central	WHM
XS91	ARO	H2	Wide Awake AF Aux Fld, Ascension Island, Ascension	Eastern	ASC
XT07	AFE	D2	Weisbaden AB, Weisbaden/Erbenheim, Germany	Europe	WIE
XT60	AFE	D2	Weisbaden SER, Weisbaden, Germany	Europe	WMF
XU31	AMC	F1	Wilkins AFS, Shelby, Ohio	Eastern	SHL
XU66	TAC	T1	Williams AFB, Chandler, Arizona	Western	WIL
XV54	ADC	C1	Williams Bay AFS, Williams Bay, Wisconsin	Central	P31
XW19	ADC	C1	Willmar AFS, Willmar, Minn	Central	139
XW44	CNC	M1	Willow Grove NAS, Pennsylvania	Eastern	WLG
XW57	ADC	C1	Willow Run AFS, Willow Run, Michigan	Eastern	MC8
XY86	ADC	C1	Winnemucca AFS, Winnemucca, Nevada	Western	127
XZ40	ADC	C1	Winslow AFS, Winslow, Arizona	Western	M93
XZ66	ADC	C1	Winston Salem AFS, Winston Salem, North Carolina	Eastern	130
XZ91	AFE	D2	Winterberg 1, CMF, Germany	Europe	

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PCSP CODE	HOST COMD	COMD CODE	BASE OR SITE AND LOCATION	RESP GEEIA REGION	3-DIGIT CODE
YA68	AFE	D2	Woldingham CST, England	Europe	
YB15	AFE	D2	Woodbridge RAF, Woodbridge/Suffolk, England	Europe	WOO
YC99	AMC	F1	Wright Patterson AFB, Dayton, Ohio	Eastern	WRI
YD14	AFE	D2	Wunstorf ASN, Germany	Europe	
YD15	SAC	S1	Wurtsmith AFB, Oscoda, Michigan	Eastern	WUR
YE23	ADC	C1	Yaak AFS, Yaak, Montana	Western	P11
YE66	PAF	R2	Yakumo, Hokkaido, Japan	Pacific	YAK
YE93	PAF	R2	Yamato Air Sta, Yamato/Honshu Island, Japan	Pacific	YAM
YF99	PAF	R2	Yokota AB, Fussa/Honshu Island, Japan	Pacific	YOK
YH48	CNC	M1	Youngstown MAP, Youngstown, Ohio	Eastern	YOU
YL48	PAF	R2	Yuza Dake Air Sta, Yuza Dake/Okinawa, RYK	Pacific	YUZ
YJ27	ADC	C1	Zapata AFS, Zapata, Texas	Central	189
YJ32	SAO	S2	Zaragoza AB, Zaragoza, Spain	Europe	ZAR
YJ34	SAO	S2	Zaragoza Pol Stor Anx, 6, Zaragoza, Spain	Europe	ZRG
YJ51	SAO	S2	Zaragoza Air Sta 1, Zaragoza, Spain	Europe	ZAS
YK10	AFE	D2	Zweibrucken CST, Zweibrucken, Germany	Europe	ZWE

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GEEIAR 26-2

GEEIA REGULATION
NO. 26-2

HEADQUARTERS, GROUND ELECTRONICS
ENGINEERING-INSTALLATION AGENCY
Griffiss Air Force Base, New York
15 April 1960

Manpower

CONTROL OF SUPERVISORY AND HIGH-GRADED CIVILIAN POSITIONS

1. PURPOSE AND SCOPE. This regulation outlines a program for the control of supervisory and high-graded (GS-11 and above) civilian positions. It applies to all GEEIA Regions.

2. REFERENCES:

a. AFR 20-58

b. AFR 26-4, 4A and AMC Supplement 1

c. AMCR 26-3 and 3A

3. GENERAL. It is imperative that a program be established for the strict management and control of supervisory and high-graded civilian positions. Since the problem involves top organizational structure, it requires the personal attention of each Commander.

4. RESPONSIBILITY:

a. Headquarters GEEIA. The Chief, Manpower and Organization Division, Headquarters GEEIA will:

(1) Establish policies and procedures in connection with this program.

(2) Review requests for changes to supervisory and high-graded positions, as appropriate, and submit his recommendations to the Commander, GEEIA.

(3) Review the progress and effectiveness of the program throughout GEEIA.

(4) Provide technical assistance to subordinate units in manpower and organization problems that arise in the execution of the program.

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b. GEEIA Regions. The Commander of each GEEIA Region will:

(1) Provide a means of orienting all staff and supervisory personnel in the policies, principles, and procedures of the program.

(2) Maintain a continuing review and control over all supervisory and high-graded positions in the region, following the policies, guidelines, and procedures prescribed in this regulation.

(3) Insure that supervisors thoroughly review the attached check-list prior to submitting requests for change involving supervisory and high-graded positions.

(4) Resolve promptly those problems, or designate an office or individual to resolve promptly any problems, tending to impede the completion of the annual classification review of civilian positions.

(5) Make a continual analysis of the grade distribution data of civilian positions within the region to determine trends, variations, and unusual groupings and the factors influencing these changes.

(6) Notify Headquarters GEEIA (ROZAF) of mandatory organization and manning directives of higher authority which appear to conflict with the policies and principles of this regulation.

5. REVIEW PROCEDURE:

a. When requesting changes to or establishment of supervisory or high-graded positions, supervisors will prepare unit manning documentation in accordance with established procedures. The following will be attached to the unit manning document change request:

(1) A chart showing the organization and position structure of the unit.

(2) Detailed justification of the need for, or major change in the position, (workload, change in mission, etc.). If it is an upgrading action, list specific changes which occurred in the position responsibilities that justify the upgrading.

(3) A brief but specific description of the major duties to be assigned to the position.

b. The requests will be reviewed in consideration of local problems and conditions, and in accordance with the principles set forth in paragraph 6, AFR 26-4.

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(1) GEEIA Region Commanders are delegated final approval authority for changes to or establishment of supervisory and high-graded positions up to and including GS-12.

(2) When requesting changes to or establishment of supervisory and high-graded positions of GS-13 level and above, documents mentioned in paragraph 5a signed by Region Commander will be forwarded to Headquarters GEEIA (ROZAF).

6. No reports are required in connection with this program, however, regions will maintain complete documentation of all their actions and make these available to inspectors from this headquarters. NOTE. This cancels the previous requirement for a monthly high-graded civilian position report.

FOR THE COMMANDER:

Richard E Sanderson

RICHARD E SANDERSON
Ass't Chief, Administrative Services

1 Attachment
Check-List

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CHECK LIST

To aid operating officials in preparing justifications for supervisory and high-graded civilian positions, the following check list is provided. Justifications should include but need not be limited to answers and/or discussions of the following questions:

SUPERVISORS

1. What primary mission function(s) of the organization are performed in this position?

2. Is the same work performed elsewhere within the organization?

3. Has the workload increased/decreased in the organization to which this position is assigned?

4. Has the organizational complexity increased or decreased in proportion? Has the mission changed?

5. How many supervisory positions are above the position? Below?

6. Could the supervisory responsibilities of this position be assumed by another (other) supervisors in the organization?

7. Is the pattern of Span of Control well-balanced throughout all organizational segments?

8. If the position is one of Deputy or assistant supervisor:

(a) Is the organization head necessarily absent for substantial portion of time?

(b) Is the nature of work such, that active supervision is required during absences of the organization head?

(c) Will the use of a Deputy or assistant supervisor avert establishing an additional organizational level with added supervisory positions?

(d) Could the duties of a Deputy or assistant supervisor be performed by an administrative type?

9. Will the duties of the position involve?

(a) Assignment of work to subordinates?

(b) Development and establishment of new or revised work methods or standards?

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(c) Evaluation of the standard of work performed and the effectiveness of the worker?

(d) Recommendation for action on personnel, manpower spaces, and other such matters?

(e) Review of work in process and completed, with authority to change?

(f) Approval of leave and preparation of annual performance ratings?

HIGH GRADED CIVILIANS

1. Is the performance of this high level work concentrated in this position, or is it distributed over several positions.

2. Could the work of planners, technical advisors and specialists reporting directly to chiefs be accomplished within the basic organization? If "no", does it deprive personnel in the basic organizational structure of segments of their responsibilities?

3. Is the work of a "high graded specialist" which cannot be performed by other organizational components, essential and does it contribute to the mission or its direct support?

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HQ USAF

GEEIA GRIFFISS AFB NY
AACS SCOTT AFB ILL
ARDC ANDREWS AFB MD
USAFSS SAN ANTONIO TEXAS
ADC ENT AFB COLO
AIRU MAXWELL AFB ALA
AMC WRPAFB OHIO
TAC LANGLEY AFB VA
SAC OFFUTT AFB NEBR
MATS SCOTT AFB ILL

UNCLASSIFIED FROM AFOAC-S/O
Reference CONFIDENTIAL AFOAC-1 84547 (NOTAL). This message is THREE PARTS. PART 1. FOR ALL ADDRESSEES. following are additional guidelines for the assumption of P-482 and P-690 commercial communications management functions by AACS as specified in the above referenced 5 1600 message. A. AMC, AIRU, TAC, USAFSS and ARDC will submit MAY 1960

AFOAC-S/O
Mr. Daniel Collins
74539
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Attachment #1

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their F-462 and F-950 (Long Lines only) requirements for inclusion in budget estimates, financial plans and financial plan revisions to AACS. These requirements will be identified and justified in accordance with current instructions. In the preparation of budget estimates, financial plans and financial plan revisions, AACS will clearly identify those requirements which are peculiar to each of the above Commands, including justification supplied by the latter and will make arrangements for defense of such requirements by each Command concerned, as may be required. (These commands retain the responsibility to justify and defend their requirements before OSM Budget Advisory Board working group when called upon.) Approved Financial Plans, Budget Authorizations and Allocations issued to Hq MATS by this headquarters will include financing for the continuance of currently approved common programs or implementation of new, approved requirements.

5. Hq MATS and/or AACS is not empowered to approve or disapprove requirements for new commercial communications services, or changes to existing systems or facilities, except as specified in current directives, and further, will not employ available F-462 or other financing as approved for support of any single command to meet requirements of another command without prior approval of this headquarters. At the present time it is planned to advise AACS by letter, thru Hq MATS, plus the commands concerned of the approved financing applicable to each command and AACS. This procedure will be followed for initial

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financial plans, periodic revisions thereto and for adjustments made which are not associated with revisions to annual financial plans. AACs will maintain current records of obligations by command, and will report such obligations on a monthly basis by including the applicable command obligations in the remarks section of the Status of Allocation Report. For purposes of reviewing program accomplishment and management an information copy will be provided this Hq (ATTN: SABF-6) and the individual commands concerned. PART II. For SAC, AACS and GESIA. The Air Staff Task Group specified in Part V, AFCAC-1 84547, has completed a three day review of commercial communications management as conducted by the 4607th Support Group at ADC. It was concluded that the modus operandi of ADC is appropriate as a model for the Air Force in the commercial communications management area. It is directed that the operating features of the 4607th be adopted by your headquarters to the maximum degree consistent with your resources and commercial communications mission. A feature of the ADC approach to the commercial communications management problem which is mandatory for adoption by your command is the establishment of your commercial communications activity as a single, self-contained, organizational or staff activity reporting directly to your Director of Communications-electronics, or DCS/Communications, as applicable. This activity should have an integral capability for effectively ordering and monitoring commercial

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HQ USAF

communications services, and also the additional capability for rate and tariff review and negotiation, as well as the capability necessary for effective conduct of the budgeting, accounting and disbursing functions. B. Utilization of EDPE data processing techniques, for maximum automation of the ordering, disbursing and record keeping functions. PART III. For AACS, ADC and SAC. Second phase of the improved commercial communications management program recommended by the 15-16 March 1960 conference at this headquarters requires consolidation of the Air Force commercial communications managerial responsibility (exclusive of the P-437 and P-4X8 fund areas) within a single agency. For this reason, EDPE programs developed for automation of your commercial communications ordering, billing, disbursing and record keeping functions must be compatible with the present ADC system, to whatever degree necessary to insure that program variances will not generate any problems when integration of your individual management functions into a single agency is directed. Consolidation of the managerial responsibility within a single agency is still under study by cognizant Air Staff Agencies and further details will be forwarded as available.

S	AFOAC/S/O	AFASC	AFABF	AFMME
	L/C Wright			
AFOAC-S/O	Mr Collins	AFMPP	AFAUD	AFAAF
				AROMO

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C O P Y

DEFERRED AF AFOAC-S/O UNCLAS
GEEIA GAFB N. 95531

HQ USAF WASH DC

INFO: HQ AMC W-P AFB OHIO

UNCLAS FROM: ROZ-6-8-E. FOR: AFOAC-S/O (Hq USAF). INFO: Hq AMC. Reference Part II of AFOAC-S/O message 95531. Confirming discussion between General Neal and Colonel Hannah, the following communication service authorizations functions will be consolidated and performed at this level:

1. Coordinate CSA policies and efforts with the AT&T Company and USITA Government Communications organizations.
2. Publication of directives and regulations pertaining to leased facilities.
3. Review of commercial cost proposals.
4. Review of termination riders and/or changes associated with cost construction charges paid on CSA action.
5. Investigation, review and preparation of data pertaining to rate standards.

Comd's Read File

ROZ 20 June 20302 1960

Lt Col George R. Charlton
75224 1 2

GEORGE R. CHARLTON
Lt Colonel, USAF
Executive

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GEEIA GAFB NY

6. Preparation of exhibits and rate standards when referring charges for litigation to the General Services Administration.

7. Maintain a source of authentic and uniform commercial cost analysis.

8. Maintain a staff for rate and tariff schedules capable of defending the Air Forces position in appearances before regulating bodies and able to support the General Services Administration when called upon.

9. Maintain records by scheme and contract number of total termination commitments and charges by Command.

10. Maintain AF Directory of U.S. Commercial Communication companies.

11. Perform cost comparison studies to defend commercial P-437 fund requirements.

12. Establish, manage and administer policies and procedures for CSA functions at regional levels.

Other related functions will remain decentralized to GEEIA Regions for maximum manpower utilization and area coordination Major Air Commands, Bases sites, and telephone companies. This arrangement of management centralization this Hq with appropriate responsibilities delegated to regions will assure carefully monitored homogeneous CSA management which will assure the Government will obtain a fair return for facilities and services from various companies.

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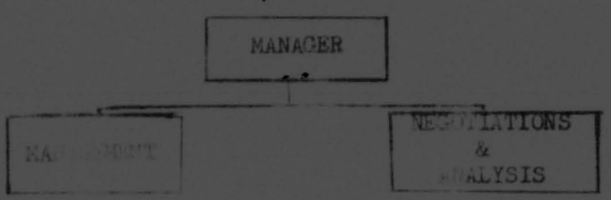
PROPOSED HQ GEEIA CENTRALIZED

CSA MANAGEMENT OFFICE



MANAGER:

Function: Responsibilities to the Commander GEEIA on all matters pertaining to the discharge of GEEIA responsibilities for administration, management, and implementation of leased communications facilities.

MANAGEMENT FUNCTIONS:

(1) Establish and coordinate CSA policies with the AT&T, Independent Telephone Association, and applicable AF organizations.

(2) Assure publication of directives pertaining to leased facilities.

(3) Prepare and administer policies and procedures for CSA functions at Regional level.

(4) Maintain record of total termination committments by scheme, contract number, and by Command.

(5) Maintain AF Directory of US commercial telephone companies.

(6) Consolidate commercial P-437 fund requirements and justify same to higher Headquarters, as required.

NEGOTIATIONS AND ANALYSIS FUNCTIONS:

(1) Investigate, review, and negotiate termination and construction charges.

(2) Prepares exhibits, for the use of higher Headquarters, when litigation for disputed rates is initiated.

(3) Maintain a staff technically capable of defending the AF position in appearances before regulating bodies.

(4) Review commercial cost proposals, including proposed termination on riders, minimum service charges, and construction charges.

(5) Maintain a source of authentic commercial cost data.

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FM HQ USAF WASHINGTON DC
TO RJEZGF/GEEIA GRIFFISS AFB NY
INFO RJEDZQ/AMC WPAFB OHIO
BT
UNCLASSIFIED AFOAC-S/O 66540
CONSOLIDATION AND PERFORMANCE OF COMMERCIAL COMMUNICATIONS
MANAGEMENT FUNCTIONS, AS OUTLINED IN YOUR MESSAGE, ROZ-6-8-E
ARE BOTH APPROVED. IT IS OUR UNDERSTANDING THAT THESE FUNCTIONS
CAN BE PERFORMED WITHIN YOUR CURRENT MANPOWER AUTHORIZATION.
CONFIRM. THIS MESSAGE AMPLIFIES, BUT IN NO WAY REVISES, THE
ASSIGNMENT OF RESPONSIBILITIES OUTLINED IN MESSAGE AFOAC-1
24547 DATED 8 MARCH 60
BY
01/2612Z JULY RJEZHQ

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Request for Aircraft Assignment, Ground Electronics Engineering-Installation Agency (GEEIA)

AMC

THRU: ROAMA (ROG)

1. There is an urgent and continuing requirement in the Ground Electronics Engineering-Installation Agency (GEEIA) for command mission support type aircraft Code (SU). This requirement has been studied over the period of two years that GEEIA has been in existence. It has been determined that six aircraft will satisfy this requirement at this time. These aircraft should be of the following type and distributed as follows: two (2), four-engine aircraft and four (4), two-engine aircraft. The four-engine aircraft are required for the two overseas GEEIA-Regions; one located in the European theater and the other in the Pacific. The two-engine aircraft will be assigned to Headquarters GEEIA and the three continental GEEIA Regions.

2. There are five GEEIA Regions, world-wide, (see Tab I), GEEIA engineering and installation teams must travel to, and work in, every corner of the free world where USAF has an interest and responsibility. The Commanders of these GEEIA Regions have the responsibility for performing field engineering and installation, including schedule supply control of the vast amounts of ground C-E equipment being installed in their geographical areas of responsibility. In addition, these regional commanders and their staffs must supervise their distantly located installation squadrons and installation teams in the field to assure compliance with GEEIA standards. They are also required to maintain close liaison and coordination of communication plans, in this regard, periodically visit all echelons of the operating commands to provide them the engineering required for the submission of communication plans. They are also required to monitor the many contractual activities connected with the installation of communication-electronics facilities. To meet the varying and crash requirements of Hq USAF and the major air commands, GEEIA must be capable and responsive in the movement of men and materials to all areas of its responsibility. This airlift is generally to areas not served by other Air Force air transport facilities and frequently does not conform with scheduled airlift. The scope of this air support and its essentially unprogrammed nature, preclude adequate support from either the major air commands - MATS or TUSAIR.

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3. The Commander of GEEIA, in turn, would supervise the operation of the five regions from his headquarters at ROAMA, which is also the prime AMA for ground C-E equipment. The pay-off in closer command supervision; plus the benefits to be derived from an immediately available airlift for emergency items from ROAMA to the installation site, will be immeasurable.

4. Since the inception of the GEEIA organization, aircraft requirements have been recognized as essential to mission accomplishment by responsible authorities familiar with the role, functions, and world-wide mission of engineering and installing ground C-E equipment. This requirement has not diminished in the intervening two years. Rather, it becomes more acute daily as the organization grows in stature and complexity of management and operation.

HASKELL E. REAL
Brigadier General, USAF
Commander

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HEADQUARTERS
GROUND ELECTRONICS ENGINEERING-INSTALLATION AGENCY (AMC)
UNITED STATES AIR FORCE
GRIFFISS AIR FORCE BASE, NEW YORK

Reply to: [illegible]

Subject: Procedures for Expediting Commercial Wire Projects in Support of Ballistic Missiles

To: Eastern GEEIA Region (
Central GEEIA Region
Western GEEIA Region (

1. Reference is made to our letter of 1 September 1960, subject: Management of Commercial Leased Facilities. Reference letter had as an attachment a draft of the responsibilities of Hq GEEIA and the GEEIA Regions in the management of commercial leased facilities.

2. Attached is addendum #1 to referenced draft which covers the procedures for expediting commercial wire projects in support of ballistic missiles.

3. Pending revision of GEEIA Regulation 100-22, the 21 Regions will operate in accordance of the attached addendum #1 to referenced draft.

4. It is felt that this procedure will alleviate any concern over details in the issuance of Work Order CSAs at the Regions and at the same time satisfy Air Force procurement requirements by documenting necessary information to defend action taken by the Regions in the CSA area.

5. Distribution of the addendum #1 is being made to Hq SAC, all numbered Air Forces, SAC Base Communications Officers on Missile Support bases, SAIAr Commanders, AFSMC, AFSMD, GEEIA Detachment Commanders.

FOR THE COMMANDER

ALEXANDER R. LORNER
Lt Colonel, USAF
Chief, Contract & C-A Management Division

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Addendum #1

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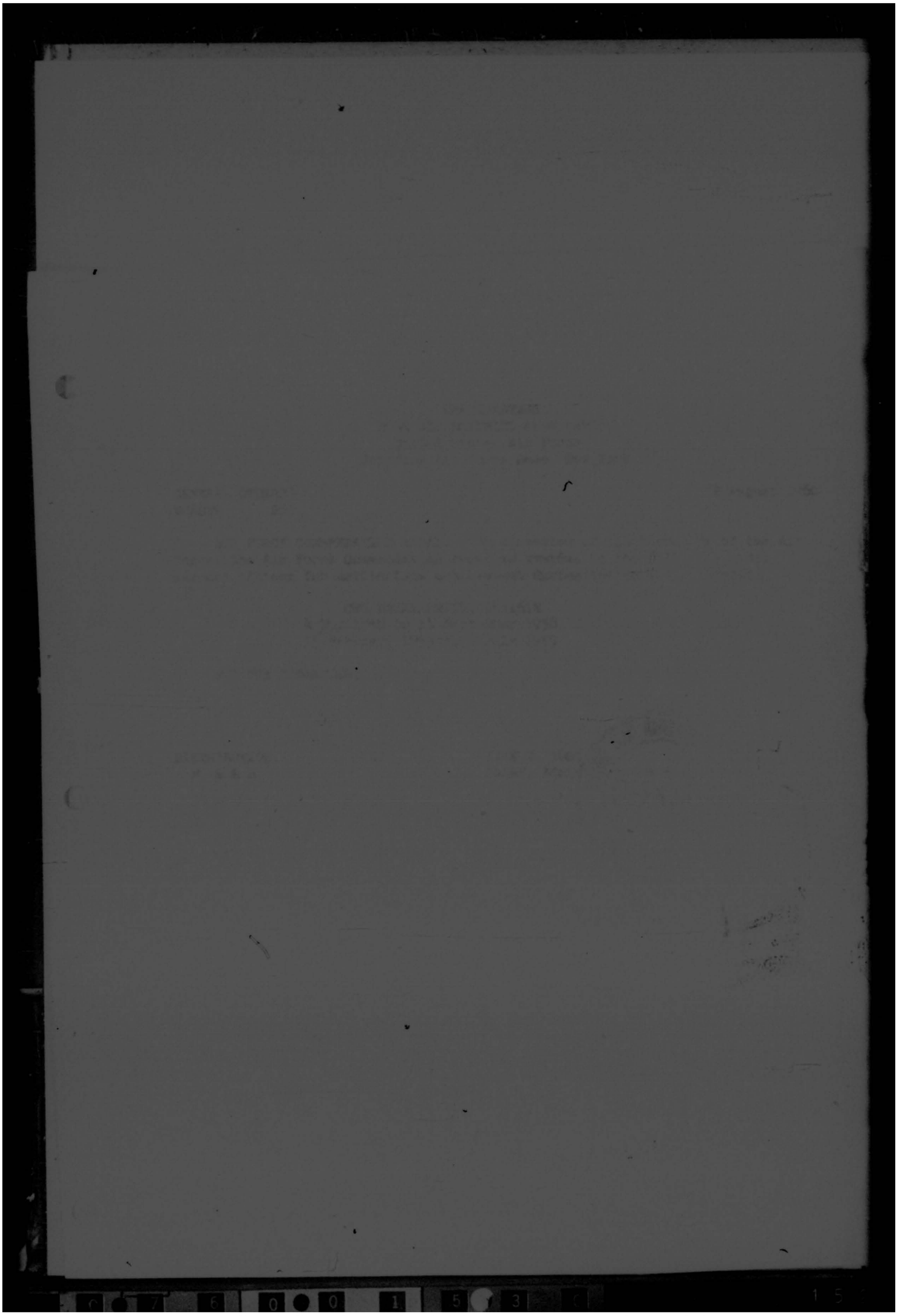

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HEADQUARTERS
ROME AIR MATERIAL AREA (AMC)
United States Air Force
Griffiss Air Force Base, New York

30 September 1960

GENERAL ORDERS)
NUMBER 291)

1. AIR FORCE COMMENDATION MEDAL. - By direction of the Secretary of the Air Force, under the provisions of AFR Supplement 1 to AFR 900-7, the Air Force Commendation Medal is awarded to the following named officers for meritorious service during the periods indicated:

MAJOR BILLIE J SMITH, A0742967
1 January 1959 to 30 September 1960

MAJOR DERRILL A MOLLENBACH, AO1647091
1 August 1959 to 9 July 1960

FOR THE COMMANDER:

IVAN T. VOGT
Chief, Administrative Services

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1 - Dir of Mil Pers, Hq USAF,
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HEADQUARTERS
ROME AIR MATERIEL AREA (AMC)
United States Air Force
Griffiss Air Force Base, New York

(GENERAL ORDERS)
NUMBER 31)

3 October 1960

1. AIR FORCE COMMENDATION MEDAL. - By direction of the Secretary of the Air Force, under the provisions of AMC Supplement 1 to AFR 900-7, the Air Force Commendation Medal is awarded to the following named warrant officer for meritorious achievement during the period indicated:

CHIEF WARRANT OFFICER, W-2 ROBERT O CLIFTON, [redacted]E
2 April 1959 to 10 December 1959

FOR THE COMMANDER:

IVAN T. [redacted]
Chief, [redacted] Administrative [redacted] Services

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Special:
1 - Dir of Mil Pers, Hq USAF,
Wash 25, D C.

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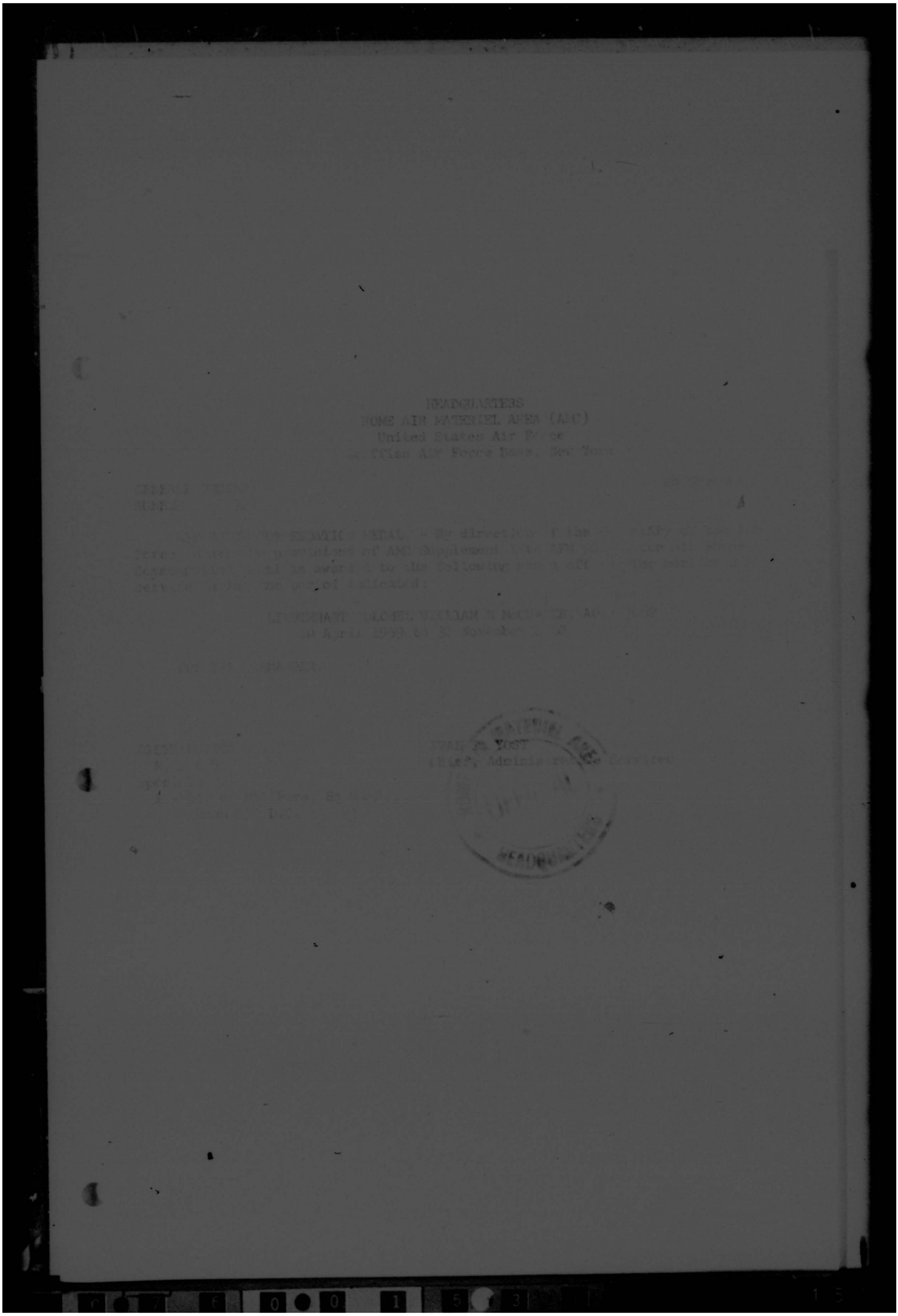

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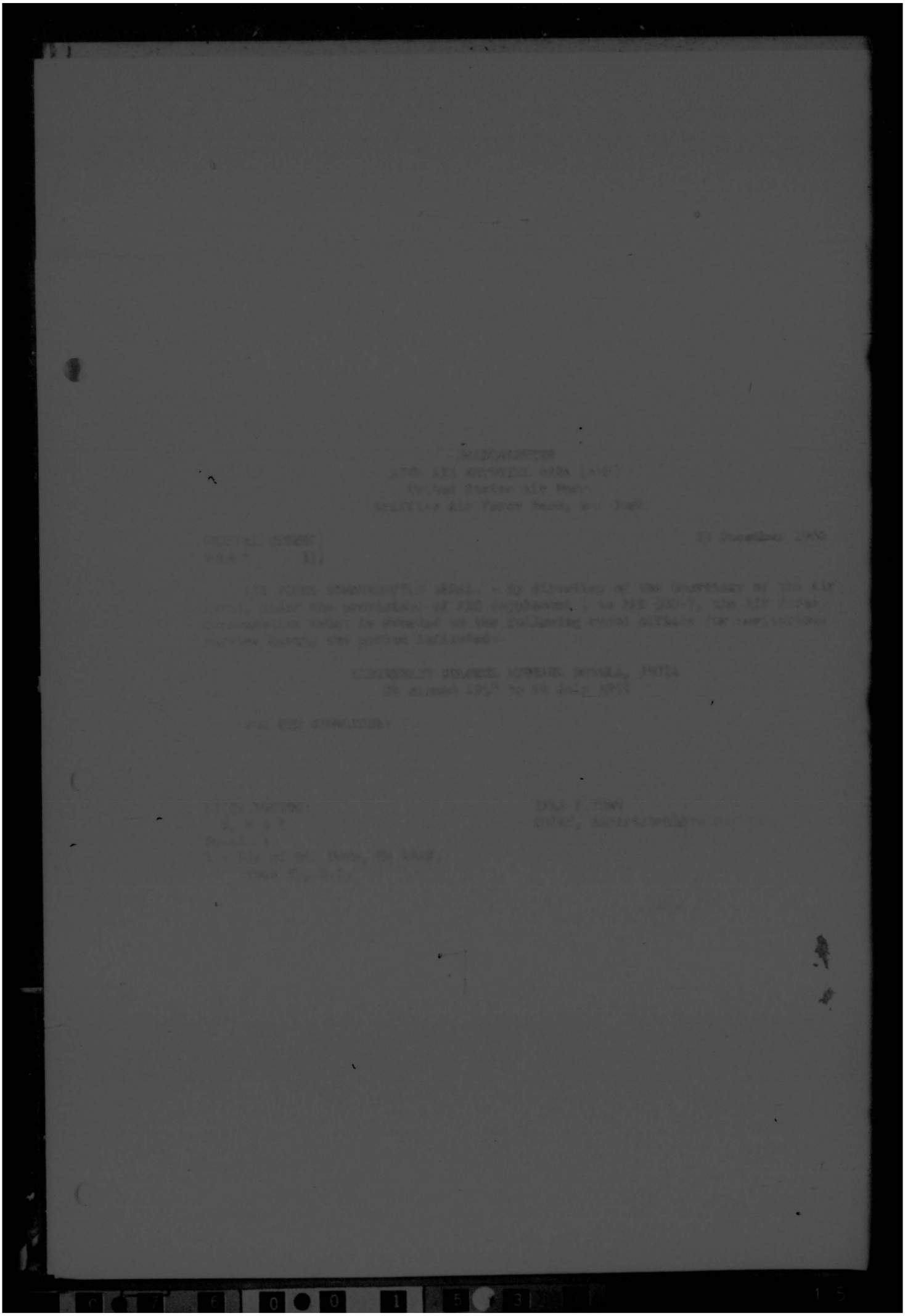

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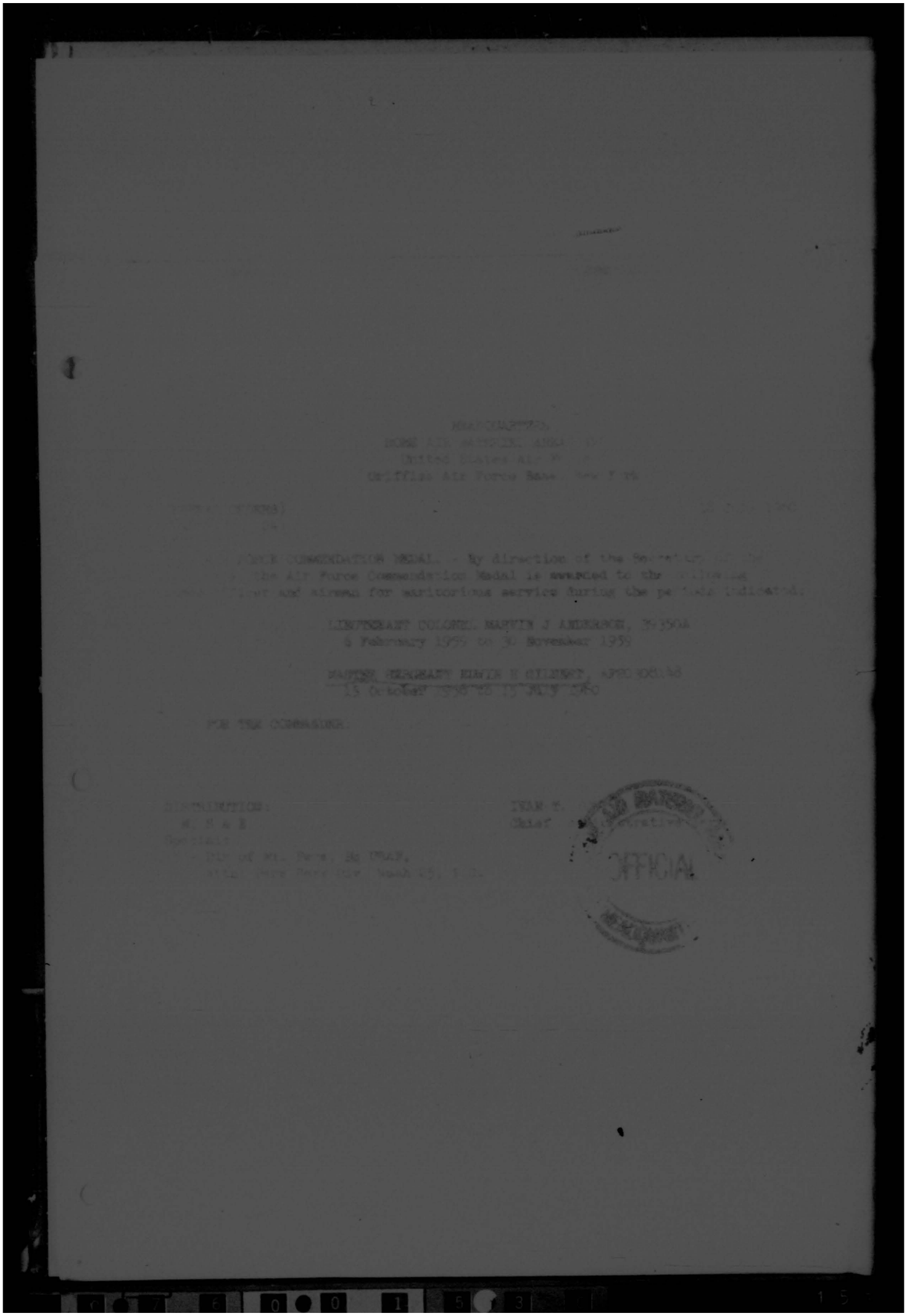

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HEADQUARTERS
ROME AIR MATERIEL AREA (AMC)
United States Air Force
Griffiss Air Force Base, New York

GENERAL ORDERS)
NUMBER 30)

30 September 1960

AIR FORCE COMMENDATION MEDAL. By direction of the Secretary of the Air Force, under the provisions of AMC Supplement 1 to AFR 900-7, the Air Force Commendation Medal is awarded to the following named airman for meritorious achievement during the period indicated:

MASTER SERGEANT CARL F SCHIRMER, AF6974662
14 January 1959 to 30 June 1959

FOR THE COMMANDER:

IVAN T. YOST
Chief, Administrative Services

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Special:
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Attn: Pers Serv Div, Wash 25, D.C.

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GEEIAR 100-10

GEEIA REGULATION
NO. 100-10

HEADQUARTERS, GROUND ELECTRONICS
ENGINEERING-INSTALLATION AGENCY
Griffiss Air Force Base, New York
21 December 1960

Communications - Electronics

GEEIA TECHNICAL STANDARDS

PURPOSE. To establish policy and outline responsibilities for the preparation and publication of technical information in support of the GEEIA mission.

1. SCOPE. GEEIA Worldwide.

2. DEFINITIONS.

a. GEEIA Technical Standard - A document which sets forth both quantitative and qualitative requirements or procedures for engineering, technical measurements, limitations and applications of parts, materials, processes, methods, and designs relating to the engineering, installation, and testing of communications-electronics systems, facilities, or equipments. The GEEIA Technical Standard provides for the functional and physical interchangeability of parts, components, and equipments, and for the compatibility of items of equipments within their own or related facilities or systems. Technical Standards include Technical Orders, Procurement Documents, and numbered GEEIA Engineering Drawings.

b. Grade I Technical Order - A technical manual normally covering an equipment, facility, system or technique which is prepared for general service in the field. Grade I Technical Orders will contain complete technical data and will be typeset or composed on an office composition typewriter in accordance with the detail requirements of MCMSP Exhibit 101.

c. Grade II Technical Order - A technical manual normally covering an equipment, facility, system, or technique which is procured through development model or service test model contracts or prepared in-house with advance engineering information. Grade II Technical Orders will contain complete technical data but will be prepared in typewritten form to provide a more expedient and economical means to support the subject equipment, facility, system, or technique.

d. GEEIA Procurement Specification - A Headquarters GEEIA or GEEIA Region prepared document which is a clear and accurate description of the technical requirements for a material, a product, or services, including the procedure by which it can be determined that the requirements have been met. The scope of this definition embraces all documents used in invitations for bids, proposals, and contracts.

OPI: ROZMW
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e. GEEIA Engineering Drawing - A Headquarters GEEIA prepared engineering drawing which sets forth dimensionally verifiable engineering delineations by means of pictorial or descriptive language presentation. The term encompasses, but is not necessarily limited to, general arrangement, general assembly, equipment detail, circuit diagram and installation, fabrication and manufacturing drawings.

3. POLICY:

a. GEEIA Technical Standards will be issued only in the form of Grade I or Grade II Air Force Technical Orders, Performance Specifications for procurement of equipments, facilities, or systems, or as numbered GEEIA Engineering Drawings. Technical Standards issued by GEEIA prior to the publication of this regulation will be reviewed to determine their current status by the OPI within Hq GEEIA and if necessary will be revised and reissued under this program.

b. All GEEIA Technical Standards will be directive upon GEEIA activities. Exceptions must be approved by the Office of Primary Interest within Headquarters GEEIA.

4. RESPONSIBILITIES.

a. Directors and Chiefs of Staff Offices within Headquarters GEEIA and Commanders of GEEIA Regions will provide adequate support for the preparation, processing, and utilization of GEEIA Technical Standards.

b. Headquarters GEEIA will:

(1) Establish, maintain and support a uniform technical publications program to adequately fulfill all requirements, GEEIA-wide, for GEEIA Technical Standards.

(2) Insure that GEEIA Technical Standards are adequate and readily available GEEIA-wide for the effective pre-engineering, engineering-installation and testing of USAF ground C-E facilities and systems.

(3) Prepare Technical Orders within the responsibility of GEEIA in accordance with the guidelines set forth in MCMSP Exhibits 101 and 108 or 113. (General Requirements for, and Preparation of GEEIA Facility and Equipment Standards.)

(4) Prepare GEEIA Procurement Specifications in accordance with AMCM 81-1 (Specifications and Standards Manual) and DOD Manual 205 (Military Outline of Form and Instructions for the Preparation of Specifications.)

(5) Prepare numbered GEEIA Engineering Drawings in accordance with T.O. 31-10-1 "Preparation of Engineering-Installation Drawings".

(6) Maintain a current file of GEEIA Technical Standards and publish periodic indices relating thereto.

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(7) Develop a quick-reaction capability to support requests from subordinate GEEIA activities for new or revised GEEIA Technical Standards.

(8) Evaluate and correlate information received from subordinate GEEIA activities in order to correct, revise, or prepare new GEEIA Technical Standards as required.

(9) Maintain close liaison with other military services, government agencies and private industry to insure the timely development of GEEIA Technical Standards.

c. GEEIA Regions and subordinate activities will:

(1) Maintain a current file of all GEEIA Technical Standards.

(2) Pre-engineer, engineer, install and test ground C-E facilities and systems in accordance with GEEIA Technical Standards.

(3) Submit information to Headquarters GEEIA to permit the expeditious preparation of emergency Technical Orders (issued as Grade II Air Force Technical Orders) as required.

(4) Request Headquarters GEEIA to revise, correct, or prepare new GEEIA Technical Standards to meet current field conditions or facility or system modifications.

(5) Recommend technical areas for which GEEIA Technical Standards should be prepared.

(6) Prepare preliminary technical standards on new systems, facilities, equipments, or installations for which the specific region has primary engineering and installation responsibility and for which current standards are inadequate or non-existent.

(a) Use MIMSP Exhibits 101 and 108 or 113 as guidelines for preliminary technical orders.

(b) Use T.O. 31-10-1 as a guideline for the preparation of preliminary GEEIA Engineering Drawings.

(7) Prepare GEEIA Procurement Specifications and preliminary procurement standards in accordance with AMM 81-1 and DOD Manual 205.

(8) Obtain an identification number for GEEIA Procurement Specifications from Headquarters GEEIA (ROZMW) and submit a copy of the specification for the Headquarters GEEIA Standards file (ROZMW).

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(9) Submit to the Office of Primary Interest within Headquarters GEEIA, concurrent with the release of other engineering documents dealing with the same project, all preliminary standards and other information that will permit timely preparation and dissemination of required GEEIA Technical Standards.

FOR THE COMMANDER

Clair R. Yaw Sr.

CLAIR R. YAW, SR.
CWO, W3, USAF
Chief, Administrative Services

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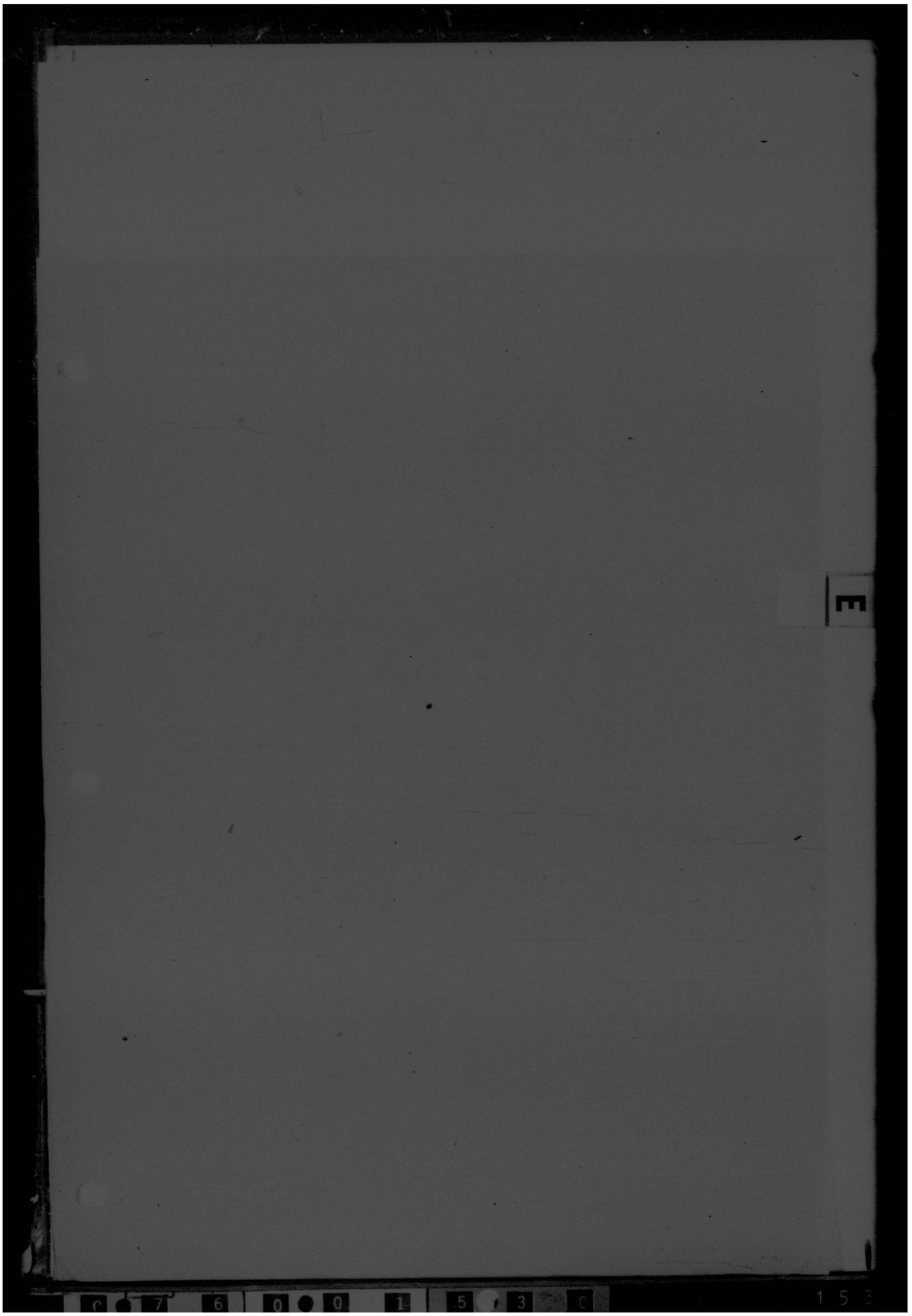

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ROAMA SUPPORT PLAN

REMOVAL OF CE FACILITIES

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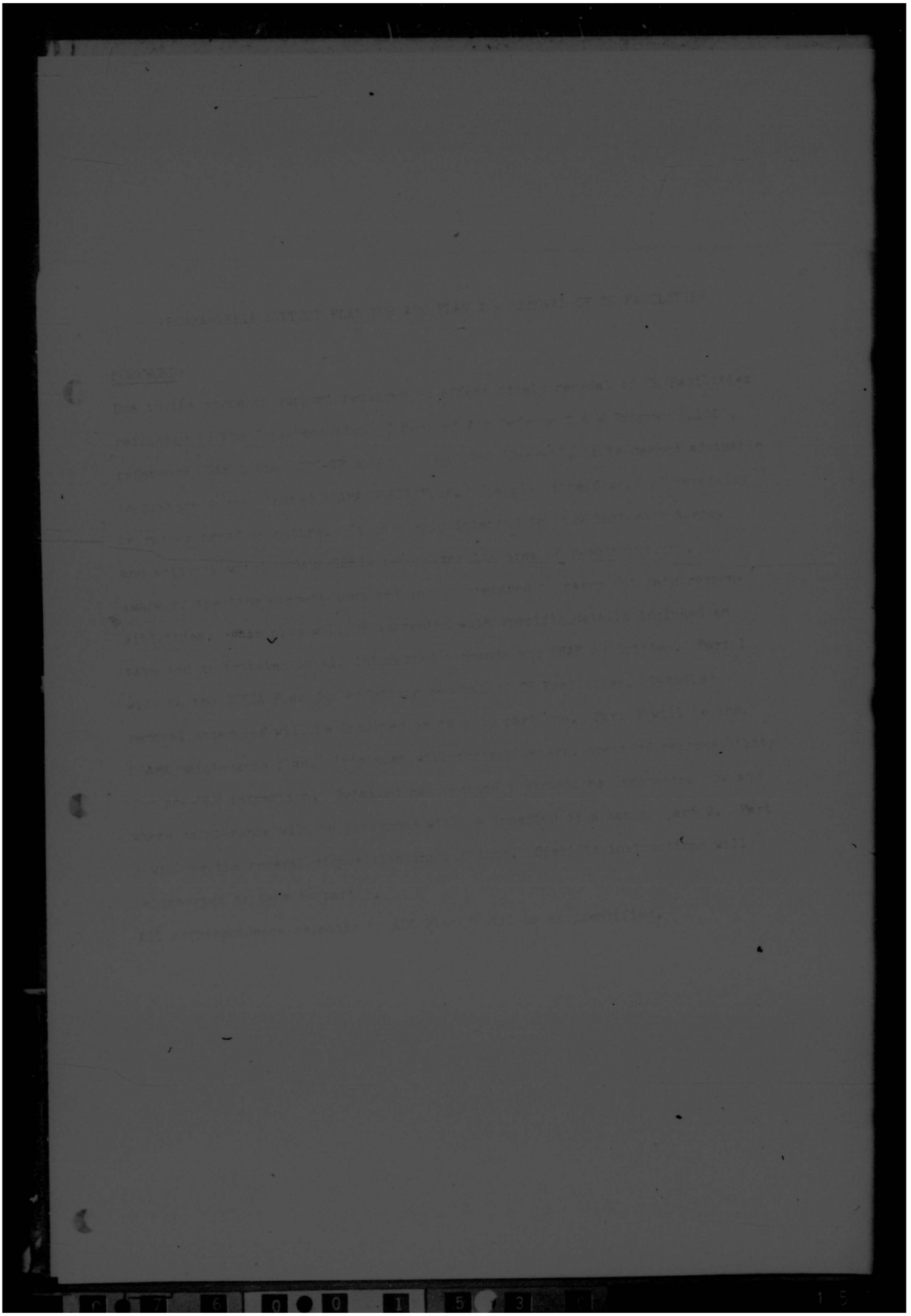

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PART X

CEEIA DISMANTLING PLAN

Responsibilities: CEEIA will provide the necessary personnel and the proper skills to dismantle all electronic equipment reflected in the Implementation of Revised Air Defense C&W Program (L16L) hereafter referred to as ADC Plan X. It will be the responsibility of the applicable CEEIA Region to implement this plan.

Procedures: Upon notification by Headquarters ADC that C-E equipments will be phased out of the system by specific dates, the applicable CEEIA Region will immediately contact the appropriate Air Division to coordinate a removal schedule. The removal schedule will indicate a start date by types of equipment involved. The removal team will disassemble the equipments to the degree necessary for proper packing, crating and transportation. The dismantling of C-E equipments will be accomplished by organic and/or contractual effort as necessary and as determined by Headquarters CEEIA and CEEIA Regions. Prior to contracting for removal, CEEIA Regions will comply with the provisions of CEEIA Regulation 65-1. In the interest of expediting the removal, the provisions of section 7(6)b, T.O. 1-1-2, which requires the issuance of disposition instructions prior to CEEIA dismantling equipment, is waived. This is necessary in view of the fact that the condition of the equipment and where it will be repaired will, in part, determine the disposition instructions issued by CESAC. It is anticipated that all disposition instructions will be issued to the site prior to completing the dismantling.

Removal scheme designators will be assigned by the Region in accordance with CEEIA Regulation 100-1. The primary purpose of the removal schemes is to

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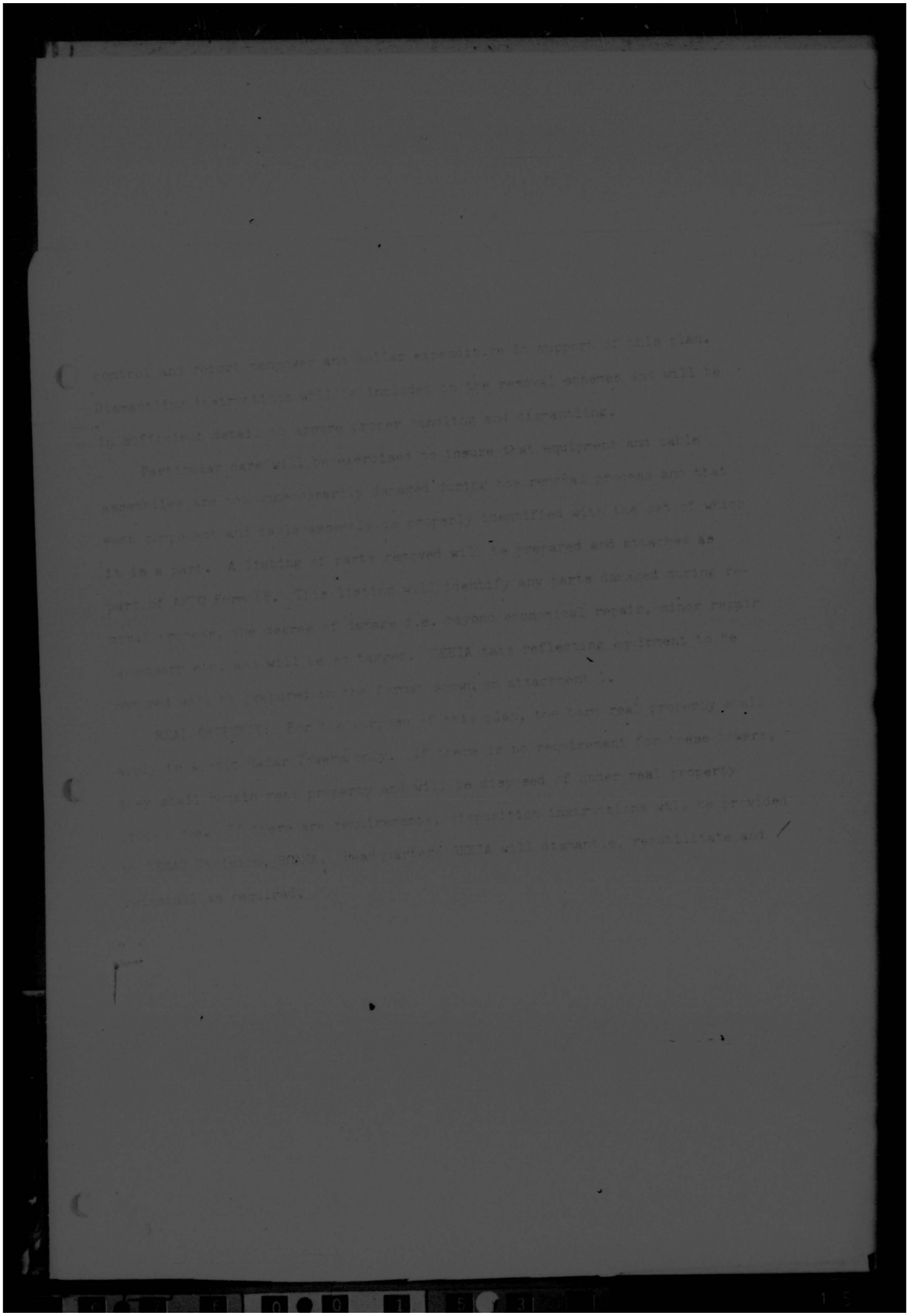

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INDEX OF PART 1 TABS

TAB	SITE	GEELA REGION
A	P-7 Gonzales, N. M.	Central
B	P-42 Lake City, Tenn.	Eastern
C	P-51 Moriarity, N. M.	Central
D	P-58 Mather, Calif.	Western
E	P-60 Colville, Wash.	Western
F	P-68 Fordland, Minn.	Central
G	P-77 Bartlesville, Okla.	Central
H	SM-139 Willmar, Minn.	Central
I	SM-145 Joelton, Tenn.	Eastern
J	SM-165 Flintstone, Ga.	Eastern
K	TM-189 Zapata, Tex.	Central
L	TM-190 Port Isabel, Tex.	Central
M	TM-193 Lufkin, Tex.	Central

Part 1 Tabs A through M will be prepared by the GEELA Regions in accordance with the format shown on Attachment 1. Sufficient copies will be made to effect the required distribution.

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PART II

DEPOT LEVEL MAINTENANCE SUPPORT PLAN

CONUS MDA/SRAs will provide the necessary personnel and proper skills to pre-inspect Ground C-E Equipment, as specified in TO-00-25-108, where records indicate the equipment has been operational less than one year. Equipments operational for more than one year will be returned to the point designated by the Inventory Manager for depot level overhaul as required before shipment for installation at a new location. Where power is not available to perform hot-check prior to dismantling, equipments will be returned to the point designated by the IM for overhaul, as required.

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PART III

SUPPLY PLAN

I. RESPONSIBILITIES: CESAC Division, ROAMA, will receive requests and issue disposition instructions for equipment as specified by TO 31-1-8, AFM 67-1 and as augmented by this Plan.

II. PROCEDURES:

1. Reporting of Equipment to be removed.

a. Headquarters, Air Defense Command or its designated activity, will identify those equipments to be removed and report same to CESAC Division, ROAMA, including the following information:

(1) Site from which removal is being made.

(2) Quantity to be removed.

(3) Equipment type number, FSC stock number, nomenclature and serial number.

(4) Condition of equipment being removed.

b. Equipment at sites concerned not yet accepted on AFTO 88 will be reported to the IMs concerned by CESAC.

2. Disposition and Shipping Instructions.

CESAC Division will, upon receipt of each report of equipment to be removed, review the listing and the condition of the equipment and coordinate with the appropriate IM and furnish disposition instructions within thirty (30) days of completion or receipt of pre-DLM Survey where pre-DLM Survey is required.

3. FUNDING FOR TRANSPORTATION AND PACKAGING.

ROAMA will control and administer funds provided for packaging materials, contractual packing and crating and transportation of deactivated CE equipment. Method of packing, crating, and transportation will be

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determined in each individual case based on the requirement. Items determined to be excess to USAF requirements will be disposed of in accordance with existing regulations.

4. SOURCE OF FUNDS.

a. Packing, crating and Commercial Transportation (outbound second destination) of excess CE equipment is the responsibility of the host base (reference paragraph 20204, AFM 172-1). Therefore, under normal procedures the responsibility to budget for and provide funding resources for this portion of the requirement falls upon the host Commands. Other costs, e.g. depot repair, storage, and redistribution of this equipment are the responsibility of AMC.

b. Since no Command has had a previous opportunity to present these costs, this action must be a part of the First Revision to the FY 61 O & M Financial Plan. All Commands must measure the impact of the revised program as it directly affects their area of responsibility. Based upon the First Revisions to the FY 61 O & M Financial Plans to be submitted by the affected Major Commands, Headquarters USAF will make the necessary redistribution of FY 61 resources.

c. To provide immediate single agency management of this program and to insure expeditious removal of CE equipment from inactivated sites, interim funding of these requirements by Headquarters USAF will be required pending redistribution of FY 61 resources. ROAMA will support these requirements immediately following the approval and interim funding of the concept contained in this proposal.

d. To assist Headquarters USAF in determination of interim funding requirements, ROAMA is providing transportation and other cost data and factors as shown in addendum to this support plan.

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DISTRIBUTION OF PART 1 TABS

The CEEIA Regions will distribute Part 1 Tabs A through M as follows:

30 copies to Headquarters CEEIA

2 copies to appropriate Air Defense Sector Hq

2 copies to appropriate Air Division Hq

2 copies to appropriate Site Commander

2 copies to Hq ADC

1 copy to CEEIA Field Office ROZCIL-1

Headquarters CEEIA will re-distribute Part 1 Tabs A through M as indicated below:

ROSX 3

RONC 2

RONY 3

RONMEP 1

ROST 2

ROS 2

ROSF 1

ROZICO 2 1

RONL 3/

ESC 2

ROV 1

ROZCM 21

ROSPG 1

ROCB-2

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CERTIFICATION:

Colonel James N. Sammons
RCAMA

James N. Sammons

Lt Col R. P. Schaefer
ADC

R. P. Schaefer

Major R. H. Kilby
ATC

Robert H. Kilby

Major N. M. Suban
APDC

N. M. Suban

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PART I REMOVAL

TAB A

SITE P-60, COLVILLE, WASH. 25TH AIR DIVISION RESPONSIBLE AGENCY - WESTERN GEEIA REGION

EQUIPMENT	PRE-DISM INSPECTION DATE	DISMANTLING START DATE	DISMANTLING COMPL DATE	SCHEME DESIGNATOR	METHOD
Height-Finder Radar AN/FPS-6	15 Oct 60	16 Oct 60	15 Nov 60	31-C1-EQ3-2A11A-X-1106-1294RO-G	1
Search Radar AN/FPS-20					
Air/Ground VHF					
UHF					
Telephone Inside Plant					

(Attachment 1)

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PART I REMOVAL

TAB B

SITE P-42 Lake City, Tenn. 32 AIR DIVISION RESPONSIBLE AGENCY - Eastern GEEIA Region

EQUIPMENT	PRE-DLM INSPECTION DATE	DISMANTLING START DATE	DISMANTLING COMPL DATE	SCHEME DESIGNATOR	METHOD
Height-Finder Radar - AN/FPS-6		Oct 1960	Dec 1960	21-C1-LM27-2A11A-I-1102-392R1-B	
Tower Group		Oct 1960	Dec 1960	21-C1-LM27-2A11A-I-1102-393R1-B	
AN/GPA-37		Oct 1960	Dec 1960	21-C1-LM27-2A11A-I-1102-394R1-B	
SEARCH RADAR AN/GPS-3		Oct 1960	Dec 1960	21-C1-LM27-2A11A-I-1102-395R1-B	
SIF		Oct 1960	Dec 1960	22-C1-LM27-2A11A-I-1102-1335R0-B	
Multi Chan. UHF, Single Chan. UHF, VHF Chan., Data Link Trans.		Oct 1960	Dec 1960	22-C1-LM27-2A23A-R-1105-1261R0-B	
Telephone Inside Plant		Oct 1960	Dec 1960	21-C1-LM27-2A11A-A-1102-396R1-B	

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PART I REMOVAL

TAB I

SITE SM-145 Joelton, Tennessee 32 AIR DIVISION RESPONSIBLE AGENCY - Eastern CEEIA Region

EQUIPMENT	PRE-DLM INSPECTION DATE	DISMANTLING START DATE	DISMANTLING COMPL DATE	SCHEME DESIGNATOR	METHOD
Height-Finder Radar - AN/FPS-6		Oct 1960	Dec 1960	21-C1-KM11-2A11A-X-1100-398R1-B	
Tower Group		Oct 1960	Dec 1960	21-C1-KM11-2A11A-X-1100-399R1-B	
AN/GPA-37		Oct 1960	Dec 1960	40-C1-KM11-2A11A-X-1100-1604R0-B	
SEARCH RADAR AN/FPS-8 & Tower		Oct 1960	Dec 1960	13-C1-KM11-2A11A-X-1100-1334R0-B	
AN/GPS-1 & SIF		Oct 1960	Dec 1960	21-C1-KM11-2A11A-X-1100-401R1-B	
Single Chan. UHF, VHF Chan.		Oct 1960	Dec 1960	21-C1-KM11-2A23A-X-1105-402R1-B	
Telephone Inside Plant		Oct 1960	Dec 1960	21-C1-KM11-2A11A-X-1100-400R1-B	

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PART I REMOVAL

TAB J

SITE SM-165 Flintstone, Ga. 32 AIR DIVISION RESPONSIBLE AGENCY - Eastern GEEIA Region

EQUIPMENT	PRE-DLM INSPECTION DATE	DISMANTLING START DATE	DISMANTLING COMPL DATE	SCHEME DESIGNATOR	METHOD
Height-Finder Radar-AN/FPS-6		Oct 1960	Dec 1960	21-G1-HE03-2A11A-X-1100-403R1-B	
Tower Group		Oct 1960	Dec 1960	21-G1-HE03-2A11A-X-1100-404R1-B	
SEARCH RADAR AN/FPS-8, Tower and SIF		Oct 1960	Dec 1960	31-G1-HE03-2A11A-X-1100-1307R0-B	
AN/GPS-3		Oct 1960	Dec 1960	13-G1-HE03-2A12A-X-1100-1308R0-B	
Single Chan. UHF, Multi Chan UHF, VHF Chan		Oct 1960	Dec 1960	32-G1-HE03-2A23A-R-1105-1306R0-B	
Telephone Inside Plant		Oct 1960	Dec 1960	21-G1-HE03-2A11A-A-[illegible]	

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PART I REMOVAL

TAB J

SITE SM-165 Flintstone, Ga. 32 AIR DIVISION RESPONSIBLE AGENCY - Eastern GEEIA Region

EQUIPMENT	PCE-DLM INSPECTION DATE	DISMANTLING START DATE	DISMANTLING COMPL DATE	SCHEME DESIGNATOR	METHOD
Height-Finder Radar-AN/FPS-6		Oct 1960	Dec 1960	21-C1-HE03-2A11A-X-1100-403R1-B	
Tower Group		Oct 1960	Dec 1960	21-C1-HE03-2A11A-X-1100-404R1-B	
SEARCH RADAR AN/FPS-8, Tower and SIF		Oct 1960	Dec 1960	31-C1-HE03-2A11A-X-1100-1307RO-B	
AN/GPS-3		Oct 1960	Dec 1960	13-C1-HE03-2A12A-X-1100-1308RO-B	
Single Chan. UHF, Multi Chan UHF, VHF Chan		Oct 1960	Dec 1960	32-C1-HE03-2A23A-R-1105-1306RO-B	
Telephone Inside Plant		Oct 1960	Dec 1960	21-C1-HE03-2A11A-A-[illegible]	

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SUMMARY

All costs with the exception of SRA contract will be incurred in 2nd Quarter FY 61

ROAMA	
Transportation	375,650
GEMIA	
Contract Services	1,173,000
TDY	26,000
MTA (PL31)	1,063
SRA (PL31.07)	2,430,000
TOTAL ROAMA COST	4,005,713
OTHER COMMANDS	
Transportation	375,650
Packing	82,500
TOTAL	4,463,863

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STATE	NAME	HOST COMMAND	P O DATE	TRANSPORTATION COST	PACKING & CRATING	GFE'A REMOVAL COSTS	RESLA OTHER COST	AF TOTAL COST
P-7	Continental Div AFS, Wyo.	ADC	61-07-01	2,150	1,250	60,500	540	64,440
P-42	Lake City AFS, Tenn.	ADC	61-07-01	2,150	1,250	60,500	540	64,440
P-61	Moriarty AFS, N.M.	ADC	61-07-01	2,150	1,250	60,500	540	64,440
P-66	Colville AFS, Wash.	ADC	61-07-01	2,150	1,250	60,500	540	64,440
P-68	Fortuna AFS, No.	ADC	61-07-01	2,150	1,250	60,500	540	64,440
P-71	Bartlett AFS, Okla.	ADC	61-07-01	2,150	1,250	60,500	540	64,440
SM119	Kilmer AFS, Minn.	ADC	61-07-01	2,150	1,250	60,500	540	64,440
SM115	Joplin AFS, Mo.	ADC	61-07-01	2,150	1,250	60,500	540	64,440
SM165	Flintstone AFS, Ga.	ADC	61-07-01	2,150	1,250	60,500	540	64,440
TM189	Zapata AFS, Tex.	ADC	61-07-01	2,150	1,250	60,500	540	64,440
TM190	Fort Stockton AFS, Tex.	ADC	61-07-01	2,150	1,250	60,500	540	64,440
TM193	Iraan AFS, Tex.	ADC	61-07-01	2,150	1,250	60,500	540	64,440
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
RP2C	[illegible]	ADC	[illegible]	[illegible]	[illegible]	900	360	1,260
P9A	[illegible]	ADC	[illegible]	[illegible]	[illegible]	8,000	360	10,260
P26A	[illegible]	SAC	[illegible]	[illegible]	[illegible]	8,000	360	10,260
P26C	[illegible]	SAC	[illegible]	[illegible]	[illegible]	8,000	360	10,260
P26E	[illegible]	SAC	[illegible]	[illegible]	[illegible]	8,000	360	10,260
P26F	[illegible]	SAC	[illegible]	[illegible]	[illegible]	8,000	360	10,260
P62A	[illegible]	ADC	[illegible]	[illegible]	[illegible]	900	360	1,260
P62B	[illegible]	ADC	[illegible]	[illegible]	[illegible]	900	360	1,260
P63A	[illegible]	ADC	[illegible]	[illegible]	[illegible]	16,000	360	16,360
P63C	[illegible]	ADC	[illegible]	[illegible]	[illegible]	8,000	360	8,360
P63D	[illegible]	ADC	[illegible]	[illegible]	[illegible]	8,000	360	8,360
P70A	[illegible]	ADC	[illegible]	[illegible]	[illegible]	16,000	360	16,360
P70C	[illegible]	ADC	[illegible]	[illegible]	[illegible]	900	360	1,260
P70E	[illegible]	ADC	[illegible]	[illegible]	[illegible]	8,000	360	8,360
P70D	Maryneal, No.	ADC	[illegible]	[illegible]	[illegible]	1,800	360	2,160
P72A	Garland, Kans.	ADC	[illegible]	[illegible]	[illegible]	8,000	360	8,360
P75A	Mason, Tex.	ADC	[illegible]	[illegible]	[illegible]	8,000	360	8,360
P76B	San Isidro, Calif.	SAC	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
P76C	Tierra Del Sol, Calif.	SAC	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
P76D	Coyote Wells, Calif.	SAC	[illegible]	600	[illegible]	8,000	360	10,260
P76E	Moreno, Calif.	SAC	[illegible]	900	[illegible]	9,000	360	10,260
P77A	Ottawa, Okla.	SAC	[illegible]	900	[illegible]	8,000	360	10,260
P77D	Winfield, Kans.	SAC	[illegible]	900	[illegible]	8,000	360	10,260
P77C	Depot Mountain, Mo.	SAC	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
P62D	Madisonville, Ky.	SAC	[illegible]	900	[illegible]	16,000	360	16,360
M99B	Big Spring, Tex.	SA	[illegible]	[illegible]	[illegible]	8,000	360	8,360

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SITE	NAME	HOST COMMAND	F/O DATE	TRANSPORTATION COST	PACKING & CRATING	GEEIA REMOVAL COSTS	GEEIA - OTHER COST	AF TOTAL COST
M89C	Brownfield, Texas	SAC	060	3,800	900	5,000	360	10,06
M89E	Lyons[illegible]	SAC	080	3,800	900	10,000	360	15,06
M90A	Orla, Tex.	SAC	080	3,800	600	10,000	360	14,26
M90B	Santa Rosa, N.M.	SAC	080	3,800	900	5,000	360	10,06
M90E	Sierra Blanca, Tex.	SAC	080	3,800	900	5,000	360	10,06
M92A	Sells, Ariz.	SAC	080	.....	.....	.....	.....	.....
M92D	Globe, Ariz.	SAC	060	3,800	900	5,000	360	10,06
M94B	Zuni, N. M.	ARD	080	3,800	900	5,000	360	10,060
M95B	Columbus, N. M.	SAC	080	3,800	600	10,000	360	14,260
M96A	Glendive, Mont.	SAC	080	3,800	900	10,000	360	15,060
M98B	Brockway, Mont.	SAC	080	3,800	900	10,000	360	15,060
M100B	Philomath, Ore.	ADC	060	3,800	900	10,000	360	15,060
M125B	Delhi, La.	TAC	080	3,800	900	10,000	360	15,060
M127A	Quinn River Crossing, Tex.	ATC	080	3,800	900	10,000	360	15,060
M127B	Unionville, Nev.	ATC	080	3,800	900	10,000	360	15,060
SM145A	Brady[illegible], Tenn.	TAC	060	3,800	900	10,000	360	15,060
SM150A	Waha, Idaho	ADC	08[illegible]	3,800	900	10,000	360	15,060
SM151C	Forthill, Idaho	ADC	080	3,800	600	10,000	360	14,260
SM151D	Moyie Springs, Idaho	ADC	08[illegible]	3,800	900	10,000	360	15,060
SM151E	Yaak, Mont.	ADC	060	3,800	900	5,000	360	10,060
SM151F	Eureka, Mont.	ADC	08[illegible]	3,800	600	10,000	360	14,260
SM156A	Gabbs, Nev.	ADC	080	3,800	900	10,000	360	15,060
SM157B	Whitmore, Calif.	ADC	080	3,800	900	5,000	360	10,060
SM162A	Tacna, Ariz.	AMC	060	3,800	600	10,000	360	14,260
SM162B	Corn Springs, Calif.	AMC	060	.....	.....	.....	.....	.....
SM162C	Stone Cabin, Ariz.	AMC	080	3,800	900	10,000	360	15,060
SM162D	Palo Verdi, Calif.	AMC	060	.....	.....	.....	.....	.....
SM162H	Topock, Ariz.	AMC	060	.....	.....	.....	.....	.....
SM163A	Boulder City, Nev.	TAC	080	3,800	900	10,000	360	15,060
SM163B	Lathrop Wells, Nev.	TAC	080	3,800	900	10,000	360	15,060
TM170C	McIntosh, S.D.	ADC	080	3,800	900	10,000	360	15,060
TM170A	Yreka, Calif.	ADC	080	3,800	900	10,000	360	15,060
TM180B	LaPine, Ore.	ADC	080	3,800	900	10,000	360	15,060
TM181B	Covered Wells, Ariz.	TAC	080	3,800	900	10,000	360	15,060
TM192B	Schulenberg, Tex.	AMC	080	3,800	900	10,000	360	15,060
TM192Q	Normangee, Tex.	AMC	080	3,800	900	10,000	360	15,060
	Relocation	AMC	----	375,650	.....	.....	.....	1,657,150
	SRA Contract	AMC	.....	.....	.....	.....	2,430,000	2,430,000
	Eastern MDA	AMC	.....	.....	.....	.....	1,063	1,063
	TOTAL COST			[illegible],400	82,500	1,173,000	2,457,063	4,463,863

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*GEEIAR 85-1

GEEIA REGULATION
NO. 85-1

HEADQUARTERS, GROUND ELECTRONICS
ENGINEERING-INSTALLATION AGENCY
Griffiss Air Force Base, New York
8 August 1960

Installations - General

RESOURCES CONTROL

PURPOSE AND SCOPE: This regulation establishes procedures for deployment of GEEIA installations personnel and equipment to accomplish specific tasks. It is applicable to Headquarters GEEIA and all GEEIA Regions.

1. GENERAL. Headquarters GEEIA may direct deployment of GEEIA installations personnel and equipment under the following conditions:

a. When the urgency of a requirement is such that diversion of manpower from lower priority projects becomes necessary.

b. When regional organic resources are not available to accomplish a specific C-E installations workload and assistance is requested.

c. To obtain effective balance between regional workloads and resources for maximum utilization of GEEIA assets.

2. SPECIFIC:

a. GEEIA Regions will request assistance to accomplish C-E workloads whenever such workloads exceed regional organic installations capabilities.

b. GEEIA Regions will provide this Headquarters, ATTN: ROZIFR, the following information when requesting assistance:

(1) CE scheme designator

(2) Work site by name

(3) Number of personnel by AFSC and equipment required

(4) Availability of vehicles

(5) Installation manhours required based on 140 hour man month

*This regulation supersedes GEEIAR 85-1, dtd 5 October 1959
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(6) Date personnel required on site

(7) Person to contact on site

c. Direct coordination between regions is authorized in all matters relative to paragraphs 1 and 2a subsequent to Headquarters GEEIA approval.

d. Whenever possible, requests for non-emergency type assistance will be forwarded to this headquarters with lead times as follows:

FOR TDY IN	
ZI	18 days
Europe	30 days
Canada	30 days
Pacific	30 days
Central America	20 days
South America	20 days

3. The information required by paragraph 2b is exempt from the requirements of reports control procedures under the provisions of paragraph 7c(3), AFR 174-1.

FOR THE COMMANDER

CLAIR R. YAW, Jr.
CWO, W3, USAF
Chief, Administrative Services

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ENGINEER PRODUCTION TIME	PERIOD BEGINNING	OFFICE SYMBOL: ROZM DIV (70) BR (72)	NAME

ENGINEER ASSIGNMENT (2-6)	ID CODE (7-9)	DATES S M T W T F S S M T W T F S	OVERTIME	TOTALS (39-41)	SPECIALITY CODE (57-59)

GEEIA FORM 40 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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ID CODES

100 SERIES - DIRECT LABOR

100 PRODUCTION

- 101 - Technical Order or Standard
- 102 - Drawing
- 103 - SFEL
- 104 - Work Statement, Specification or Exhibit
- 105 - Technical Study or Report
- 106 - ACERP or CEIP

110 REVISION

- 111 - Technical Order or Standard
- 112 - Drawing
- 113 - SFEL
- 114 - Work Statement, Specification or Exhibit
- 115 - CEIP

120 REVIEW

- 121 - Technical Order or Standard
- 122 - Drawing
- 123 - SFEL
- 124 - Work Statement, Specification or Exhibit
- 125 - Technical Proposal
- 126 - ACERP or CEIP
- 127 - AF Form 524
- 128 - C-E Scheme

130 TECHNICAL SERVICES

- 131 - Drafting
- 132 - Reproduction
- 133 - Technical Data Processing and Maintenance
- 134 - Technical Library Maintenance

100 SERIES - DIRECT LABOR

140 GENERAL *(When other ID Codes do not apply)*

- 141 - Technical Conference
- 142 - Technical Correspondence *(Preparation or reply)*
- 143 - Technical Assistance - Regions
- 144 - Technical Assistance - Other
- 145 - Equipment Testing and Evaluation
- 146 - Travel - Technical

200 SERIES - INDIRECT WORK

200 GENERAL

- 201 - Supervision
- 202 - Administrative
- 203 - Staff Mission
- 204 - Clerical and Stenographic
- 205 - Conference *(Administrative)*
- 206 - Travel *(Administrative)*
- 207 - Training or Indoctrination
- 208 - Military Details
- 209 - Reading Technical & Administrative Literature

210 ADMINISTRATIVE SERVICES

- 211 - Drafting
- 212 - Reproduction

300 SERIES - LEAVE AND HOLIDAY

- 301 - Leave *(Administrative)*
- 302 - Leave *(Ordinary)*
- 303 - Leave *(Sick)*
- 304 - Holiday
- 305 - Community Relation

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DIRECTORATE OF ENGINEERING OFFICE INSTRUCTION NUMBER 25-3

DEPO 25-3

DIRECTORATE OF ENGINEERING
GROUND ELECTRONICS ENGINEERING
INSTALLATION AGENCY
Griffiss Air Force Base, New York
15 January 1961

Management

ENGINEERING PRODUCTION TIME REPORTING

1. PURPOSE. The objective of the engineering production time reporting system is to provide the Directorate of Engineering with basic data to be used for manpower accounting, workload analyzation and project control. The data obtained through the production time cards will not be used for administrative surveillance and does not replace or modify the use of established means for performing such functions.

2. APPLICATION. This office instruction is applicable to all activities within the Directorate of Engineering.

3. DEFINITIONS:

a. DUTY TIME. Duty time is considered to be eight hours per day, five days per week, Monday through Friday, totaling 40 hours per week.

b. OVERTIME. Time worked in excess of the normal duty hours and validated by the Division Chief or Branch Chief.

4. PROCEDURES:

a. Time expended by all personnel within the Directorate of Engineering will be reported on a standard Engineer Production Time Card, GEEIA Form 40. Instructions for preparing the card are included in Attachments #1 & #2.

b. A list of speciality codes and procedures for the application of these codes to the time card are included in Attachment #3.

c. Time will be reported on the time card in units of an hour, with fractions of an hour being reported to the nearest hourly figure.

d. All duty time and overtime must be accounted for using the ID Codes contained on the reverse side of the time card.

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e. Entries to the time card will be made on a daily basis. Completed cards will be submitted biweekly to reach the Engineering Control Office, ROZMCT by 1600 hours on the first working day following the reporting period.

5. RESPONSIBILITIES:

a. Each individual is responsible for the accurate and legible preparation of a card, GEEIA Form 40, for each reporting period. The entries are key punched on punch cards directly from the Form 40, therefore they must be neat and legible.

b. Personnel on TDY, which will extend past the end of a time reporting period, will promptly report their time each Monday by electrical transmission to GEEIA, GAFB, NY, Action For: (symbol of division or branch of assignment). The following information will be furnished: Name, the week ending, appropriate I.D. Codes. For each I.D. Code, include applicable E.A. No. or the short title of the job, office symbol, total hours including overtime, if any, for the week. Message will not be in tabulated but in normal form.

c. Each Division Chief will insure the preparation and timely submission of cards for his division. In event of TDY or other absence, the Division Chief will insure that an "estimated" card is submitted for each individual. These responsibilities may be delegated to branch or section level as deemed necessary by the Division Chief. Each Division will submit all their cards as a package (in one group) and include those of each branch, section, and unit.

d. The Engineering Control Office is responsible for the administration and management of the Engineering Production Time Reporting program. This office will process the time cards, maintain all files and records and provide visual presentation of the statistical data as required by the Director of Engineering.

for Charles D. Roby

DUDLEY W. STEVENSON
Lt Colonel, USAF
Director of Engineering

4 Atchs
1. Instruction Sheet
2. ID Code Definitions
3. Speciality Codes and their Use
4. Sample GEEIA Form 40

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INSTRUCTIONS FOR PREPARING GEEIA FORM 40, ENGINEER PRODUCTION TIME

1. Period Beginning: Start date for the two-week period; Sunday is the first day of each period.

2. Office Symbol: This symbol will be indentified through Branch level where applicable. Unit or Section symbols will not be used.

3. Name: Last name and initials of individual.

4. Engineer Assignment: Enter here the Engineering Assignment number designated by ROZMS. If no EA number is applicable leave blank. Do not make any entry other than a valid EA number.

5. I.D. Code: Use the applicable ID Code - one of those shown on the back of the time card, GEEIA Form 40.

6. Dates: Enter days of the month as appropriate in topmost squares of the daily column. Enter manhour figures in the squares below the letters S M T W T F S S M T W T F S.

7. Overtime: Enter here any time in excess of eight hours per day or 40 hours per week. See Para 3b.

8. Totals: This will be the total hours expended per line entry. The figure should be the sum of all hours in the associated horizontal squares under "Dates" Do not include the square under "overtime", since this entry is for the use of the Supervisor only.

9. Speciality Code: Enter here a Speciality Code as applicable. (See Atch #3).

NOTE: It is necessary that all entries be neat, clear, and legible in order that the operator will not be in doubt as to any of the numerals or letters.

Atch #1

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ID CODE DEFINITIONS

100 SERIES - DIRECT WORK

Direct work is considered to be time spent by the engineering and technical support personnel that can be reasonably and consistently identified with the production, review and revision of engineering standards, technical services and other related areas.

100 - Production

This series of codes pertains to the production of technical standards and data. It encompasses the preparation of technical orders, drawings, SFEL's, work statements, specifications, exhibits, technical studies, technical reports, and CEIP's.

110 - Revision

This series of codes are the same as 100 - Production above except it pertains to work expended in the revision of technical standards and data.

120 - Review

This series of codes pertains to the review of technical standards and data. While it encompasses most of the codes in the 100 Series - Production, it also includes such codes as Technical Proposal, AF Form 524, and C-E Schemes.

130 - Technical Services

This series of codes pertains to the technical services that are essential to the production, review, and revision of technical standards and data. This series of codes will be limited to personnel in ROZMS and ROZMM.

140 - General

This series of codes cover a general area that doesn't fit in any of the above categories. These codes will be used only when it is not practical to use any of the other 100 Series of codes to express the work being performed.

146 - Travel - Technical

This code applies to travel performed during normal duty hours in support of 100 Series Direct Work. Travel during non-duty hours will not be reported.

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INDIRECT WORK

Indirect work is considered to be time spent in support of direct work but not clearly identifiable with a specific project or assignment.

200 - General

This Series covers the time expended in supervisory, administrative, clerical and staff support. It also includes administrative conferences and literature. The following limitations apply to Codes 201 and 203.

201 - Supervision

The use of this code is restricted to Division Chiefs, Branch Chiefs, Section Chiefs and personnel acting in these capacities. This does not preclude the use of other Identification Codes by supervisory personnel, in fact, supervisors should not use code 201 when another code is applicable

203 - Staff Mission

This code will be used by the Technical Branch of the Engineering Control Office and technical assistants to supervisory personnel.

206 - Travel (Administrative)

This code applies to travel of an administrative nature performed during normal duty hours. Travel during non-duty hours will not be reported. This code will normally be used only for travel associated with Staff Visits, IG Inspections, and other Non-ROZM mission travel.

210 - Administrative Services

This series will be used to account for drawing, drafting reproduction and related support functions of an administrative or non-technical nature (e.g. organizational charts, training aids, administrative notices, etc.)

300 - LEAVE & HOLIDAY

301 - Leave (Administrative)

302 - Leave (Ordinary) (Self-explanatory)

303 - Leave (Sickness (Self-explanatory)

304 - Holiday (Legal-authorized Holidays only)

305 - Community Relation

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SPECIALITY CODES AND THEIR USE

1. The codes to be listed in the "Speciality" column identify the Command, Service, or Agency to whom service or assistance is rendered. These codes are to be used in conjunction with other codes (Category, Facility, and System) to provide basic information pertaining to specific jobs.

2. Speciality codes are to be entered on the GEEIA Form 40 in instances of 100 series work that are not identified by an Engineering Assignment number. No Speciality Code entry will be made when an Engineering Assignment number is shown. In these latter cases the necessary information is incorporated on the appropriate GEEIA Form 3's and the periodic Engineering Assignment Summaries.

3. Following is a list of Speciality Codes to be used:

SPECIALITY CODE	INDICATES SERVICES TO
01	Headquarters United States Air Force
02	Alaskan Air Command
03	Air Defense Command
04	Air Materiel Command
05	Air Research & Development Command
06	Air Training Command
07	Air University
08	Caribbean Air Command
09	Continental Air Command
10	Headquarters Command USAF
11	Military Air Transport Service
12	Pacific Air Force
13	Strategic Air Command
14	Tactical Air Command
15	United States Air Force, Europe
16	United States Air Force Security Service
17	United States Air Force Academy
18	Airways & Air Communications Service
19	Air Weather Service
20	GEEIA Regions
21	Defense Communications Agency
22	Federal Aviation Agency
23	Military Assistance Program
24	Electronic Systems Center
25	Rome Air Materiel Area
99	Other Than Coded Above

Atch #3
6 Feb 61

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ENGINEER PRODUCTION TIME	PERIOD BEGINNING 15 JAN 61	OFFICE SYMBOL ROZM DIV (10) 2 SR (12) 4	NAME BOB, J. H.

ENGINEER ASSIGNMENT (2-6)	ID CODE (7-9)	DATES 15 S	16 M	17 T	18 W	19 T	20 F	21 S	22 S	23 M	24 T	25 W	26 T	27 F	28 S	OVERTIME	TOTALS (39-43)	SPECIALITY CODE (57-59)
	304		8														8	
D-192	126			4	2	3	2				2			2	4	6	19	
	113			4										2			6	18
	209				2		2			3	1			2			10	
	126										5						5	19
D-22[illegible]	101					3				2			2				7	
D-92	112									2		2					4	
D-92	114									1		1	2				4	
	125				3							5	4			5	12	19
	124					2						5		4			11	10
	302				1		4										5	

GEEIA FORM DEC 60 40 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

ID CODES

100 SERIES - DIRECT LABOR

100 PRODUCTION

- 101 - Technical Order or Standard
- 102 - Drawing
- 103 - SFEL
- 104 - Work Statement, Specification or Exhibit
- 105 - Technical Study or Report
- 106 - ACERP or CEIP

110 REVISION

- 111 - Technical Order or Standard
- 112 - Drawing
- 113 - SFEL
- 114 - Work Statement, Specification or Exhibit
- 115 - CEIP

120 REVIEW

- 121 - Technical Order or Standard
- 122 - Drawing
- 123 - SFEL
- 124 - Work Statement, Specification or Exhibit
- 125 - Technical Proposal
- 126 - ACERP or CEIP
- 127 - AF Form 524
- 128 - C-E Scheme

130 TECHNICAL SERVICES

- 131 - Drafting
- 132 - Reproduction
- 133 - Technical Data Processing and Maintenance
- 134 - Technical Library Maintenance

100 SERIES - DIRECT LABOR

140 GENERAL *(When other ID Codes do not apply)*

- 141 - Technical Conference
- 142 - Technical Correspondence *(Preparation or reply)*
- 143 - Technical Assistance - Regions
- 144 - Technical Assistance - Other
- 145 - Equipment Testing and Evaluation
- 146 - Travel - Technical

200 SERIES - INDIRECT WORK

200 GENERAL

- 201 - Supervision
- 202 - Administrative
- 203 - Staff Mission
- 204 - Clerical and Stenographic
- 205 - Conference *(Administrative)*
- 206 - Travel *(Administrative)*
- 207 - Training or Indoctrination
- 208 - Military Details
- 209 - Reading Technical & Administrative Literature

210 ADMINISTRATIVE SERVICES

- 211 - Drafting
- 212 - Reproduction

300 SERIES - LEAVE AND HOLIDAY

- 301 - Leave *(Administrative)*
- 302 - Leave *(Ordinary)*
- 303 - Leave *(Sick)*
- 304 - Holiday
- 305 - Community Relation

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ENGINEERING ASSIGNMENT

1. E.A. NR.	2. CAT.	3. TITLE			4. DATE
5. AUTHORITY AND AGENCY			6. DATE RCVD	7. SYSTEM	8. FACILITY
9. START DATE	10. COMPLETION DATE REQ. / EST.	11. ESTIMATED TOTAL M-HR.	12. OPI	13. PROJECT ENGINEER	

14. STATEMENT OF SITUATION

15. PRODUCT(S) OF ASSIGNMENT

16. ACTION SCHEDULE

DIV	BR	ACTION TO BE TAKEN	START DATE	COMPLN DATE	EST. MANHOURS

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INSTRUCTIONS

ITEM 1. ENGINEERING ASSIGNMENT NUMBER: This number will be assigned and entered by Engineering Control Office.

ITEM 2. CATEGORY: Category will be assigned and entered by Engineering Control Office.

ITEM 3. TITLE: Short form designation of assignment or project.

ITEM 4. DATE: Date this assignment initiated.

ITEM 5. AUTHORITY AND AGENCY: Enter organization directing or requesting assignment, message identification, or authority for locally initiated project.

ITEM 6. DATE RECEIVED: Enter date of receipt of directive or request, or initiation date of locally authorized project.

ITEM 7. Enter numbered system concerned, i.e. 480L, 412L, etc.

ITEM 8. FACILITY: Enter PC Code for facility(ies) concerned, work or letter designator when no PC code exists. If not applicable enter N/A.

ITEM 9. START DATE: Enter date effort begins on this assignment.

ITEM 10. COMPLETION DATE: Enter completion date required by directive or request, or estimated date of completion when no firm date is stipulated. Indicate "required" or "estimated" by check in appropriate box.

ITEM 11. ESTIMATED TOTAL MAN-HOURS: Enter total man-hours estimated to complete entire assignment; this is the total of entries in EST MAN-HOURS column, ITEM 16.

ITEM 12. DPI: Enter organization symbol for Division of primary interest.

ITEM 13. PROJECT ENGINEER: Name and signature of DPI member responsible for accomplishment of this assignment.

ITEM 14. STATEMENT OF SITUATION: State the requirement and background of assignment in concise terms.

ITEM 15. PRODUCT(S) OF ASSIGNMENT: Clearly define the end product of this assignment, including the output of support activities.

ITEM 16. ACTION SCHEDULE: Enter, in appropriate columns, the one-letter designator of each division and/or branch responsible for a particular phase of the assignment, a short description of the action to be taken by the branch, the dates that branch will start and complete that phase, and the estimated man-hours required by that branch. Branch Chiefs will signify agreement by signatures after the entry pertaining to his branch. Use continuation sheets as necessary.

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ENGINEERING ASSIGNMENT PROGRESS REPORT

1. ENGINEERING ASSIGNMENT NO.	2. DATE
3. PROJECT TITLE	
4. REPORTING PERIOD	
5. DIVISION OR BRANCH	6. PROJECT ENGINEER OR TECHNICIAN

7. ASSIGNMENTS AND OR CHANGES

8. STATUS OF PROJECT *(Use blank sheets of paper for additional information.)*

SIGNATURE *(Branch Chief)*	SIGNATURE *(Division Chief)*

GEEIA FORM MAR 59 3A

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INSTRUCTIONS

(All items to be filled in by Division or Branch)

ITEM 1. ENGINEERING ASSIGNMENT NO. : Enter number on basic Engineering Assignment, GEEIA Form 3.

ITEM 2. DATE : Enter date this form is prepared.

ITEM 3. PROJECT TITLE : Enter title on basic Engineering Assignment, GEEIA Form 3.

ITEM 4. REPORTING PERIOD : Must be filled in on all Engineering Assignment Progress Reports, GEEIA Form 3A. Unless otherwise stated, all projects must be reported on every 30 days from date of initial assignment.

ITEM 5. DIVISION OR BRANCH : List Division or Branch reporting.

ITEM 6. PROJECT ENGINEER OR TECHNICIAN : List individual in charge of project.

ITEM 7. ASSIGNMENTS AND /OR CHANGES : List all changes to basic Engineering Assignment, GEEIA Form 3. This includes changes in completion dates, project engineer assigned,etc.

ITEM 8. STATUS OF PROJECT : Show status of all work completed during reporting period and indicate work planned and approach to be taken until next reporting period.

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DIRECTORATE OF ENGINEERING OFFICE
INSTRUCTIONS NUMBER 25-1

DEOI 25-1
DIRECTORATE OF ENGINEERING
GROUND ELECTRONICS ENGINEERING
INSTALLATION AGENCY
Griffiss Air Force Base, New York
15 January 1961

MANAGEMENT

Project Control

1. PURPOSE: This office instruction establishes procedures and responsibilities for control of the Directorate of Engineering workload. Its intent is to require careful study of a proposed engineering task prior to its initiation to determine, as closely as possible, the true requirement of the task, the most logical method of resolving the problem, and a realistic manning and completion schedule. The effectiveness of overall manpower utilization and Directorate efficiency is directly related to the accuracy of these determinations.

2. APPLICATION: This office instruction applies to all activities within the Directorate of Engineering.

3. DEFINITIONS. For the purpose of this office instruction the following definitions and abbreviations apply:

a. Engineering Task: Specific engineering effort with clearly definable actions and objectives, which supports a project or program. An Engineering Task may be directed or requested by activities outside the Directorate, or may be internally generated to support the mission requirement.

b. Division of Primary Interest (DPI): The Division responsible for completion of an Engineering Task. This is normally the Division whose capability covers the majority of the task requirements.

c. Support Activity: The Division(s) or Branch(es) required to assist the DPI by performing specific segments of the Engineering Task.

d. Project Engineer: The individual designated by the DPI as the normal point of contact on all matters concerning the accomplishment of a specific Task.

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4. PROCEDURE

a. Engineering Assignment (EA) Initiation:

(1) An EA will be initiated for any Engineering Task requiring for completion more than 40 manhours of engineering effort in any one Branch, or a total effort of more than 150 manhours if more than one Branch is involved. GEEIA Form 3 will be used for this purpose and will be accomplished for each such task appearing within the Directorate, regardless of origin. EA's will not be initiated to cover organization functions such as "CS Scheme Review" unless the total engineering effort required to review a scheme or specific group of related schemes is of the above magnitude.

(a) GEEIA Form 3 will be prepared by the DPI and submitted to ROZMCT for processing. Sufficient copies will be provided to furnish one validated copy to the DPI, each Support Branch and two copies to ROZMCT. Verbal coordination of Support Branches will be obtained by the DPI prior to submission. Written coordination will be obtained by ROZMCT. In preparation of the Form 3, blocks 1 through 13 will be accomplished per the instructions on the reverse of the form.

(b) Enter in block 14 "Statement of Situation" a concise analysis of the conditions or events requiring the assignment.

(c) Enter in block 15 "Product(s) of Assignment" the product or end result of the effort to be expended on the project.

(d) Enter in Block 16 "ACTION SCHEDULE" the planned action to complete the assignment. In the "Action to be taken" section, define specific "milestones" or distinct phases or portions of the task. Designate the Division and Branch responsible for each in the DIV and BR columns by inserting their single letter symbols. Enter in the appropriate right hand columns the starting and completion dates and the estimated time required for each entry. These entries should be made in their logical order of completion. Each entry will bear the signature of the chief of the branch responsible for its performance denoting knowledge and acceptance of the workload item.

(e) The use of such nebulous terms as "monitor", "maintain", "review", "advise", or similar words will be avoided unless qualified by adequate following phrases indicating what is to be done. The terms "Continuous" or "Unknown" as applied to assignment completion date, will not be used.

(f) Continuation sheets, in the same format as block 16 may be locally reproduced and used as necessary.

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(2) ROZMC will review the Form 3, and distribute validated copies to the DPI and all Support Branches retaining copy for record purposes. The EA does not become authorized workload until validated by ROZMC.

b. Engineering Assignment Progress Reports:

(1) These reports will be prepared on GEEIA Form 3A by the DPI and submitted to ROZMC and each Support Branch at four week intervals, to coincide with alternate submissions of Forms 40 (DEOI 25-3). Additional reports will be submitted when a significant change occurs during the first two weeks of the normal reporting period. Changes occurring during the last half of the reporting period may be included in the routine report. Those changes requiring additional reports are as follows:

(a) Change in scope (increase or decrease)
(b) Completion
(c) Change of DPI and/or support agency.
(d) Change of completion date and reason for the change.
(e) Change of manhour estimate in excess of 10% or 40 manhours.
(f) Cancellation or other termination, with explanation as set forth in paragraph d.(4) below.

(2) Forms 3A will be prepared IAW instructions on the reverse of the form. The information in blocks 7 and 8 will be prepared to permit understanding by personnel lacking detailed familiarity with the project. This information will include but will not be limited to the following:

(a) Block 7. Enter all significant changes which occurred during the reporting period unless such changes have been covered in special reports submitted in accordance with paragraph 4b(1) above.

(b) Block 8. Enter statements of progress or status as follows:

1. A summary of actions completed or milestones reached during the reporting period.

2. Overall project status. This will include a statement that the project is on or off schedule. If off schedule, indicate corrective actions and/or assistance required.

3. Delaying factors encountered or anticipated which will affect scheduled completion dates, suggestions for their resolution, and assistance required.

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c. Engineering Assignment Categories:

(1) All EA's will be assigned to one of five categories. The assignment will be based on the level of authority of the activity developing the requirement. These categories are an indication of precedence rather than priority. Individual priority will be established by the DPI based on manpower availability, precedence and due date of assigned tasks. ROZMCT will assign initial categories based on information provided on the initiating Form 3. Recommended category changes, with justification, will be submitted by the DPI on GEEIA Form 3A.

(2) Criteria for assignment of category is as follows:

(a) Category 1 will be assigned to EA's initiated, in support of a Hq USAF generated requirement.

(b) Category 2 will be assigned to EA's initiated in support of a requirement generated by a Major Air Command or Service.

(c) Category 3 will be assigned to EA's initiated in support of a requirement generated by Commander, ROAMA or Commander, GEEIA.

(d) Category 4 will be assigned to EA's initiated or required by the Director of Engineering.

(e) Category 5 will be assigned to EA's initiated by Division or Branch Chiefs within the Directorate of Engineering.

d. Engineering Assignment cancellation or termination:

(1) Engineering Assignments may be cancelled when the Project Authority and/or the Agency (Block 5) listed on the Form 3 has withdrawn the requirement.

(2) EA's may be terminated for the following reasons:

(a) To divide the original EA into two or more EA's to provide better control of larger engineering tasks.

(b) Changes in requirement, scope and/or end product sufficient to nullify the original project as described in the basic form 3.

(c) Reduction or deletion of funds and/or manpower.

(d) Mission changes resulting in transfer or deletion of functions from the Directorate.

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(c) At the direction of the Director, The TPG or higher authority.

(3) The closing or cancelling Form 3A will contain a detailed statement citing the authority, or reason for cancellation in Block 7.

(4) The closing or cancelling Form 3A will contain in Block 8 a statement of the manhours lost on the project and a statement of recoverable manhours expended which can be applied against an existing or new project.

5. RESPONSIBILITIES: In addition to the responsibilities indicated in the foregoing the following are specifically assigned:

a. Engineering Control Office:

(1) Validate EA's and, if required obtain, final approval of the Technical Planning Group (DEOI 25-2).

(2) Assign control numbers and work categories.

(3) Maintain a complete file and record of EA's.

(4) Analyze and report workload status as required by the Director and/or the TPG.

b. Division Chiefs:

(1) Designate Project Engineers for EA's assigned to his Division.

(2) Be prepared to discuss the status of EA's for which his division is responsible.

(3) Insure that established schedules or completion dates are met and that necessary reports are properly prepared and promptly submitted.

(4) Insure proper coordination between the DPI and Support Activities.

(5) Insure proper preparation and submission of GEEIA Form 3A's, reflecting the actions of both the DPI and Support Activities.

(6) Insure adequate coverage of EA's for which his Division has responsibility during absence of the project engineer. NOTE: These responsibilities may be delegated to branches at the discretion of the Division Chief.

c. Support Activities:

(1) Provide assistance and support as indicated in the basic Form 3 and as may be further required by DPI.

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(2) Submit pertinent information to the DPI to permit the timely submission of factual progress reports. The GEEIA Form 3A will be used for this purpose and forwarded by DD 25 or ANC Form 385 in sufficient time to reach DPI two days prior to the end of each reporting period. Preparation will be as follows:

(a) Blocks 1 thru 4: Self explanatory.

(b) Block 5: Office symbol of support activity followed by (s) to indicate support.

(c) Block 6: Indicate the normal point of contact within the support agency for the project concerned.

(d) Block 7: Indicate any change which will affect the scheduled completion of the assigned task.

(e) Block 8: Indicate current status of the support agency's portion of the SA. This information will include any completed actions, problems and other data which will assist the project engineer in preparation of the overall project status.

(f) Signatures: Normally only the signature of the support Branch Chief will be required unless otherwise directed by the Chief of the Division providing support.

DUDLEY K. STEVENSON
Lt. Colonel, USAF
Director of Engineering

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1 SEP 1960

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OCT 6 1960

ROXC-3/C. Roukas/79107

Change (B) to ROKA Regulation 70-1, Procurement: "ICBM Inter-Site Communications"

ROP
ROV-1
ROVPA
IN TURN

Reference your letter, same subject, dated 20 Sept 60, and our telecall 5 Oct 60, the following changes include those of your letter and reflect the current, approved management responsibilities and procedures.

2. RESPONSIBILITIES AND EXCEPTIONS:

NOTE: Reference to AFSCD/ASD, and, AMCS, in this paragraph is for information only.

2 i (2) With technical assistance from Hq CSSLA, adjust in accordance with applicable documents the lowest acceptable contractor and lessor costs.

2 i (3) Make a determination on whether to use a contractor provided Government Owned System (GOS) or a Commercially Leased System (CSA).

2 j. Delete in its entirety.

2 k. Upon dissemination of decision:

(1) If government owned system:

(b) CSSLA, as the CSAF's I agent, will assure technical adequacy of operational requirements and, in conjunction with the appropriate Air Force Procurement District, inspect and accept the facility from the contractor.

(2) If commercially leased system:

(a) CSSLA will notify the ~~major Air Command (MAC)~~ ~~appropriate~~ CSA Manager so that they may initiate appropriate Communications Service Authorization (CSA) action, in accordance with pertinent regulations.

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(b) CSEIA, as the USAF S & I agent, will assure technical adequacy and, in conjunction with the CSA Manager, inspect and accept the facility from the lessor.

JOE P. WALTERS
Colonel, USAF
Director, Plans and Programs

1 Atch
Ltr Hq ROADA (ROVPA)
20 Sept 60

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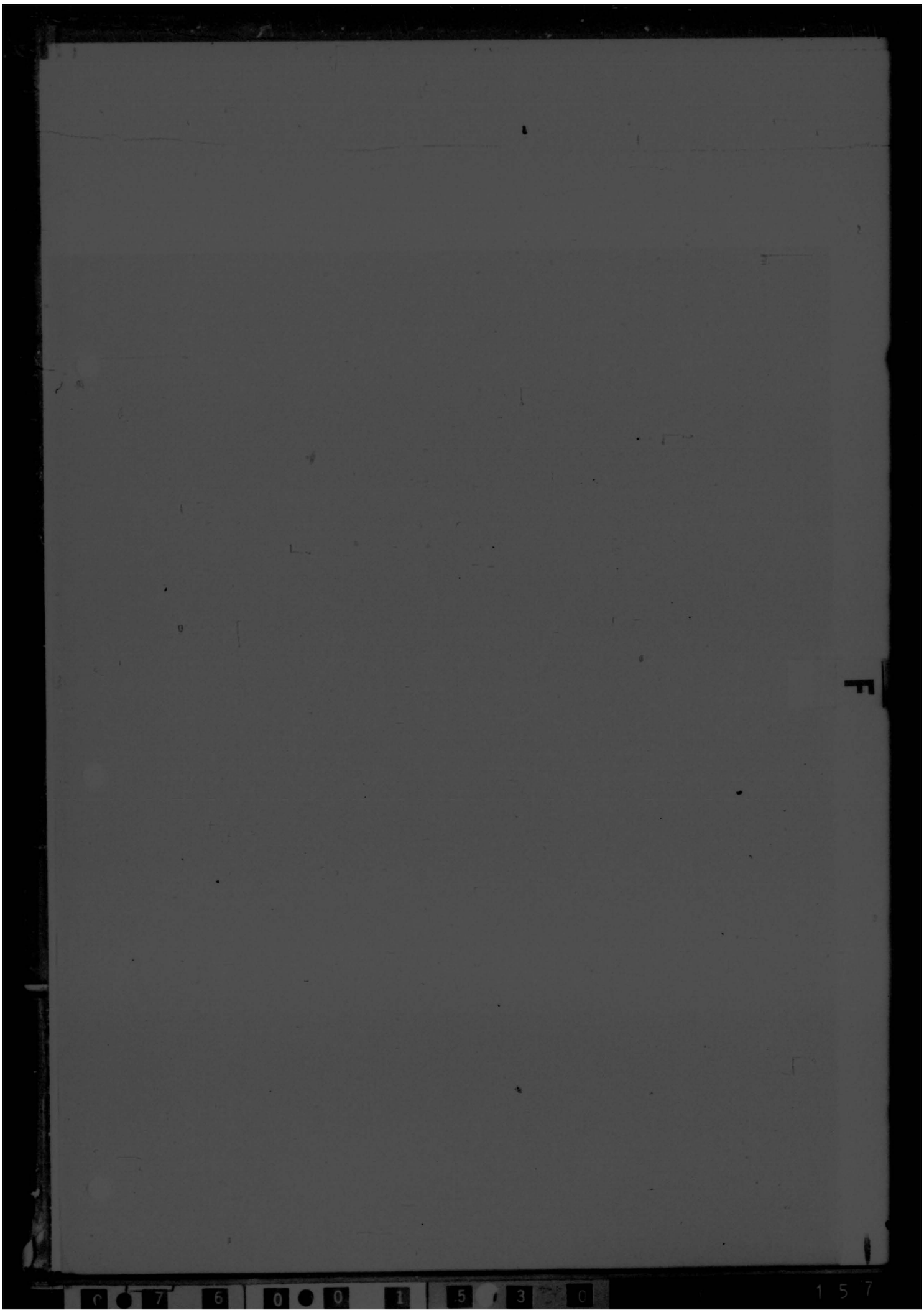

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GEEIA Objectives, FY-61 and FY-62

ROV

1. The attached GEEIA objectives high-light those areas which are considered of primary importance and which should be scrutinized constantly to make certain progress toward these goals is being made.

2. The time-phasing of progressive achievement is not intended to indicate a relative position at this point in time. It is intended to portray a starting point of a new program to review what has been accomplished to date, and to effect additional improvements that can be made.

3. It is to be noted that most of the GEEIA objectives are pointed toward improvement. Measurement of progress will be computed from rate of accomplishment in specific projects or tasks which will be established to achieve these goals. Further, in view of the interrelationships involved, a standard rate of planned progress has been used so that those which may not be in phase will become apparent at an early date.

CHARLES U. BROMBACH
Colonel, USAF
Deputy Commander

1 Atch
GEEIA Objectives, FY-61 and FY-62

COORD W/ROZP, ROZA, ROWR, ROZA, ROWR, ROZI, ROZG, ROZ
COMMANDERS READ FILE

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NARRATIVE DESCRIPTION OF PROGRAMMED OBJECTIVES	ORGANIZATION [illegible]	DATE PREPARED 8 September 1960

OBJ NUMBER	TIME PHASE	RELATION TO DEPOT MISSION	OBJECTIVES
1	FY-61	A	REFINE PERSONNEL POLICIES AND PROCEDURES: Goals to be achieved are 100% manning, progressive career development, rotation and retention of professionally competent military and civilian personnel within GEEIA, world-wide.
2	Long Range	A	IMPROVE MANPOWER TECHNIQUES AND PROCEDURES: GEEIA must develop improved methods whereby manpower requirements can be related to shifting and constantly changing workloads within the GEEIA world-wide organization and substantiate the level of skills and grades required to perform its highly technical mission.
3	Long Range	C	PROVIDE HIGH QUALITY SYSTEMS ENGINEERING: This is essential to insure compatibility between related ground electronics systems and facilities in GEEIA support to high priority ground C-E programs and numbered (L) electronics systems.
4	Long Range	C	PROVIDE IMPROVED FACILITIES, EQUIPMENT AND WORKING CONDITIONS FOR ALL GEEIA COMMAND ELEMENTS: In view of GEEIA's world-wide "tenant" status, goals only can be achieved through close coordination with host bases and commands. Improvements are necessary in office space and facilities to create a more productive working environment for GEEIA personnel. Scope of this objective also includes constant scrutiny of UAL equipment at all levels of command and tools utilized by squadron personnel to install ground C-E equipment.
5	FY-61	A	REFINE GEEIA FINANCIAL MANAGEMENT: Accomplishments desired and necessary are more valid expressions of P437 requirements in Financial Plans and Budget Estimates, insure that the 100% obligation rate achieved with FY-59 and FY-60 funds is continued during FY-61; development of a capability to determine accurately and quickly, programs and requirements that must be deleted or deferred when funds are reduced; closer scrutiny of funds used for internal GEEIA operations.
6	Long Range	C	IN CONJUNCTION WITH "USING" COMMANDS AND AGENCIES, INSURE THAT GROUND C-E REQUIREMENTS EXRESSED IN CEIP'S PROVIDE MAXIMUM PERFORMANCE AT MINIMUM COST TO THE USAF: This is accomplished through technical advice and assistance provided by GEEIA in assisting using commands to prepare C-E equipment and facility requirements contained in CEIP's. The advice and assistance provided by GEEIA is a direct means of supporting the goal expressed by the Vice Chief of Staff in his letter of 19 Apr 60, Subject: Economy in Development, Procurement and Operation of Air Force Equipment. An objective evaluation of requirements at the time they are prepared should preclude expressing "luxury" items and result in more austere communications systems without degrading operational capability to an appreciable degree.

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NARRATIVE DESCRIPTION OF PROGRAMMED OBJECTIVES

ORGANIZATIO: GEEIA

DATE PREPARED: 28 September 1960

OBJ NUMBER	TIME PHASE	RELATION TO DEPOT MISSION	OBJECTIVES
7	FY-61	A	IDENTIFY, MONITOR AND DISSEMINATE STATUS OF ALL PROGRAM ELEMENTS REQUIRED TO PROVIDE GROUND C-E FACILITIES IN ACCORDANCE WITH REQUIRED OPERATIONAL DATES: In order to accomplish its mission successfully and efficiently GEEIA must be aware of all major segments of the various programs involved. Further, GEEIA must have up-to-date status information in order to keep its major "customers" and higher headquarters informed. Of particular concern are the MCP Program, the Equipment Buy Program, available assets and funds.
8	FY-61	C	ASSIST USAF PLANNING AND PROGRAMMING COMMANDS OR AGENCIES IN PREPARING CEIP'S WHICH ARE ACCURATE, VALID AND CONTAIN REALISTIC OPERATIONAL DATES: GEEIA Regions, ROAMA/GEEIA Field Offices and Hq GEEIA all participate, in either assisting using commands to prepare CEIP's, or in reviewing CEIP's from the standpoint of validity and feasibility. By insuring their completeness, particularly the time phasing of operational dates in relation to required lead times for procurement and other actions, planned, orderly, E-I and funding support can be assured without the necessity for constant changes, crash efforts and waste motion.
9	FY-61	A	IMPROVE LIAISON ON C-E MATTERS OF MUTUAL CONCERN BETWEEN GEEIA, ROAMA, ARDC, ESC, AFRCE'S AND INDUSTRY: In view of the multiplicity of USAF agencies involved in designing, developing and supporting ground C-E programs and systems, and the effect that actions taken by one, can have upon the others, it is extremely important that GEEIA maintain an awareness of what these other USAF agencies are accomplishing and what they plan to do. A means must be developed to keep GEEIA informed of their activities and to advise them of GEEIA plans and accomplishments.
10	Long Range	C	INSURE ADEQUATE, TIMELY GEEIA COMMAND AND PROCEDURAL GUIDANCE FOR GEEIA OPERATIONS, WORLD-WIDE: Vital to the success of any organization is the adequacy and timeliness of its policy and procedural guidance. As a relatively new USAF organization, this area is of particular importance to GEEIA since it must develop its concepts, policies and operating procedures without the benefit of previous experience or precedent upon which to draw.
11	Long Range	C	INSURE MAXIMUM UTILIZATION OF GEEIA ORGANIC RESOURCES: Successful achievement of this objective directly supports the USAF Chief of Staff's expressed desire to utilize AF organic capabilities to the utmost and to reduce dependency upon contractor support. In addition to the benefits that accrue from efficient utilization of GEEIA resources, the fact that the USAF possesses a capability such as GEEIA offers, can and has caused industry to submit more reasonable bids for services and in certain instances to revise estimates downward.

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NARRATIVE DESCRIPTION OF PROGRAMMED OBJECTIVES	ORGANIZATION Hq GEEIA	DATE PREPARED 2 September 19[illegible]

OBJ NUMBER	TIME PHASE	RELATION TO DEPOT MISSION	OBJECTIVES
12	FY-61	C	INSURE GEEIA READINESS FOR EMERGENCY AND LOCAL OR GENERAL WAR CONDITIONS: To be prepared for armed conflict is a primary responsibility of any military organization. Scope includes training of personnel, preparation of detailed plans and operating procedures which clearly outline tasks to be performed and responsibilities for execution.
13	FY-61	A	INSURE EFFECTIVE, RESPONSIVE HIGH-QUALITY GEEIA SUPPORT FOR ALL GROUND C-E INSTALLATION-ENGINEERING AND INSTALLATION REQUIREMENTS OF THE USAF: This is in essence the primary objective of GEEIA and it requires successful attainment of portions of all other GEEIA objectives. In simple terms it requires that GEEIA conduct its operations to insure provision of ground C-E facilities in the locations and environment where needed according to required operational dates established by major commands and other USAF agencies. In scope it is tremendous, since the mission is world-wide in nature, constantly changing, and involves supporting major USAF programs such as ICBM, AFMTC requirements and those included in numbered (L) Electronic Systems. In addition to meeting scheduled operational dates, a high standard of professional workmanship and quality performance must be assured.
14	FY-61	A	INSURE EFFICIENT, EFFECTIVE ADMINISTRATION, TRAINING AND UTILIZATION OF AIR NATIONAL GUARD GEEIA SQUADRONS: This involves policy and procedural guidance, year round training programs and summer encampments. Goal is to apply ANG GEEIA resources to the fullest possible extent in providing E-I support to current USAF ground C-E requirements including actual installation of schemes and projects.

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FISCAL YEAR 61 OBJECTIVES

ORGANIZATION: Hq GEEIA

ENTER OPPOSITE BLOCK "A" SCHEDULED RATE OF PROPOSED ACCOMPLISHMENTS BY MONTHLY PERCENTAGES
ENTER OPPOSITE BLOCK "B" RATE OF ACTUAL ACCOMPLISHMENTS BY MONTHLY PERCENTAGES

OBJECTIVE NUMBER	OBJECTIVES — SEE NARRATIVE DESCRIPTION OF PROGRAMMED OBJECTIVES		FISCAL YEAR 61 JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN
	MANPOWER	A												
		B												
1	Refine Personnel Policies and Procedures	A			10	20	30	40	50	60	70	80	90	100
		B												
	FUNDS	A												
		B												
5	Refine GEEIA Financial Management	A			10	20	30	40	50	60	70	80	90	100
		B												
	IMPROVED MANAGEMENT TECHNIQUES	A												
		B												
7	Identify, Monitor and Disseminate Status of C-E Program Elements	A			10	20	30	40	50	60	70	80	90	100
		B												
8	Provide Assistance to Commands That Will Insure Realistic CEIP's	A			10	20	30	40	50	60	70	80	90	100
		B												
9	Improve Liaison with USAF C-E Agencies and Industry	A			10	20	30	40	50	60	70	80	90	100
		B												
	ORGANIZATION	A												
		B												
12	Insure GEEIA Readiness for Emergency and War Conditions	A			10	20	30	40	50	60	70	80	90	100
		B												
13	Insure Effective, Responsive and High-Quality GEEIA Support	A			10	20	30	40	50	60	70	80	90	100
		B												
14	Insure Efficient, Effective Training and Utilization of ANG GEEIA Squadrons	A			10	20	30	40	50	60	70	80	90	100
		B												

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LONG RANGE OBJECTIVES FISCAL YEARS [illegible] THROUGH [illegible]

ORGANIZATION: HQ GEEIA

ENTER OPPOSITE BLOCK "A" SCHEDULED RATE OF PROPOSED ACCOMPLISHMENTS BY QUARTERLY PERCENTAGES
ENTER OPPOSITE BLOCK "B" RATE OF ACTUAL ACCOMPLISHMENT BY QUARTERLY PERCENTAGES

OBJECTIVE NUMBER	OBJECTIVES — SEE NARRATIVE DESCRIPTION OF PROGRAMMED OBJECTIVES		FISCAL YEAR ____ SEP	DEC	MAR	JUN	FISCAL YEAR ____ SEP	DEC	MAR	JUN	FISCAL YEAR ____ SEP	DEC	MAR	JUN
	MANPOWER	A												
		B												
2	Improve Manpower Techniques and Procedures	A	10	20	30	40	50	70	90	100				
		B												
	NEW WEAPON/SUPPORT SYSTEMS	A												
		B												
3	Provide High Quality Systems Engineering	A	30	50	50	60	70	80	90	100				
		B												
	FACILITIES	A												
		B												
4	Provide Improved Facilities Equipment and Working Conditions for all GEEIA Command Elements	A	10	20	30	40	50	70	90	100				
		B												
	IMPROVED MANAGEMENT TECHNIQUES	A												
		B												
9	Insure that CEIP Requirements Provide Maximum Performance at Minimum Cost	A	10	20	30	40	50	70	90	100				
		B												
10	Insure Adequate, Timely Policy and Procedural Guidance	A	10	20	30	40	50	70	90	100				
		B												
11	Insure Maximum Utilization of GEEIA Organic Resources	A	10	20	30	40	50	70	90	100				
		B												
		A												
		B												
		A												
		B												

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Hq GEEIA (ROZC)

DEC 29 1960

Project Money Tree

Hq ROAMA (ROV)

1. The establishment of a Materiel Management Improvement Program within GEEIA involves somewhat different considerations than for other AMC organizations for the following reasons:

a. The GEEIA organization was established for the express purpose of improving USAF-wide management and implementation of fixed ground C-E programs and requirements, not only in the materiel area, but in all other areas as well.

b. As a new USAF organization, GEEIA has had an opportunity to evaluate previous USAF management practices from the standpoint of recognized deficiencies and to adopt more efficient methods from the commencement of initial operations in January 1959. This does not imply that further improvements are not required or planned.

c. GEEIA's primary mission of engineering-installation support to USAF fixed ground C-E requirements is unique within the USAF and AMC. As such, its activities are not closely comparable to other AMC organizations.

d. By virtue of its mission, GEEIA is not primarily in the Materiel Management "business" in the traditional sense associated with AMC AMA's or Depots.

2. GEEIA does, however, either control, or exercise a strong influence over, ultimate USAF materiel resources used to support ground C-E requirements in the following:

a. Determination of requirements for, and utilization of, GEEIA UAL equipment for world-wide organizational elements. Dollar value of authorized UAL equipment currently amounts to $10.5 million.

b. Furnishing technical advice and assistance to operating commands or agencies in determining the major equipments, facilities or systems which will satisfy their operational requirements.

c. The CESAC operation which:

(1) Assembles, ships and controls centrally procured major items of ground C-E equipment. Current dollar value of the CESAC

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account is some $450,000,000, approximately $350,000,000 of which represents: equipment that is scheduled for current installation; is being installed; or has been installed and is awaiting transfer of accountability to the using command or organization.

(2) Computes requirements for, assembles and ships minor items and hardware necessary to install the major ground C-E equipment and facilities. About $5,000,000 per year has been required during the past two years for this type of support, the funds for which are controlled directly by GEEIA.

d. The GEEIA "systems engineering" effort which insures compatibility of ground C-E facilities or equipments prior to selection and installation, thereby precluding expensive "black box" programs to correct deficiencies.

3. The GEEIA program for improved management in the materiel area is an integral part of a GEEIA-wide program to improve GEEIA management in all functional areas. This program has been in existence since GEEIA assumed its world-wide responsibilities in January 1959. Its goals are expressed in the GEEIA objectives for FY 1961 and FY 1962 which are subjected to continuing review to ascertain progress made toward achievement. Copies of these objectives are attached (Attachment One).

4. A review of the foregoing discloses that the GEEIA program for improved management may be divided into two major areas wherein benefits to the USAF can accrue. The first is in GEEIA's internal operations and its utilization of all available resources of men, money and materiel. The second--and more far reaching in the impact that it can have toward reducing overall USAF costs--is the influence that the GEEIA organization can exert upon both operating commands as well as upon industry. As the "advisory arm" of the USAF in assisting major commands and other agencies to develop the means by which ground C-E operational requirements can be met, GEEIA can insure that "gold plated" or luxury type items do not appear in requirements documents to begin with. In the case of industry, the existence of GEEIA acts as a deterring effect since it provides an internal USAF capability to provide ground C-E needs when we are not satisfied with commercial proposals. Further, the ability to compare contractual costs vs an organic effort, enables the USAF to be assured that the most economical method of support is being utilized.

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5. Specific examples of some of the management actions OOEIA has taken, or is taking, are included in Attachment Two. Recommended actions which can be taken by higher or lateral headquarters are contained in Attachment Three. These items have not been confined to the materiel area alone, since it is their sum total which adds up to "more Air Force per dollar" in consonance with the objectives of Project Money Tree.

FOR THE COMMANDER

D. B. BLACKFORD
Lt Colonel, USAF
Asst Director, Plans and Programs

3 Atch
1. OOEIA Objectives
2. OOEIA Management Actions
3. Recommended Actions

3

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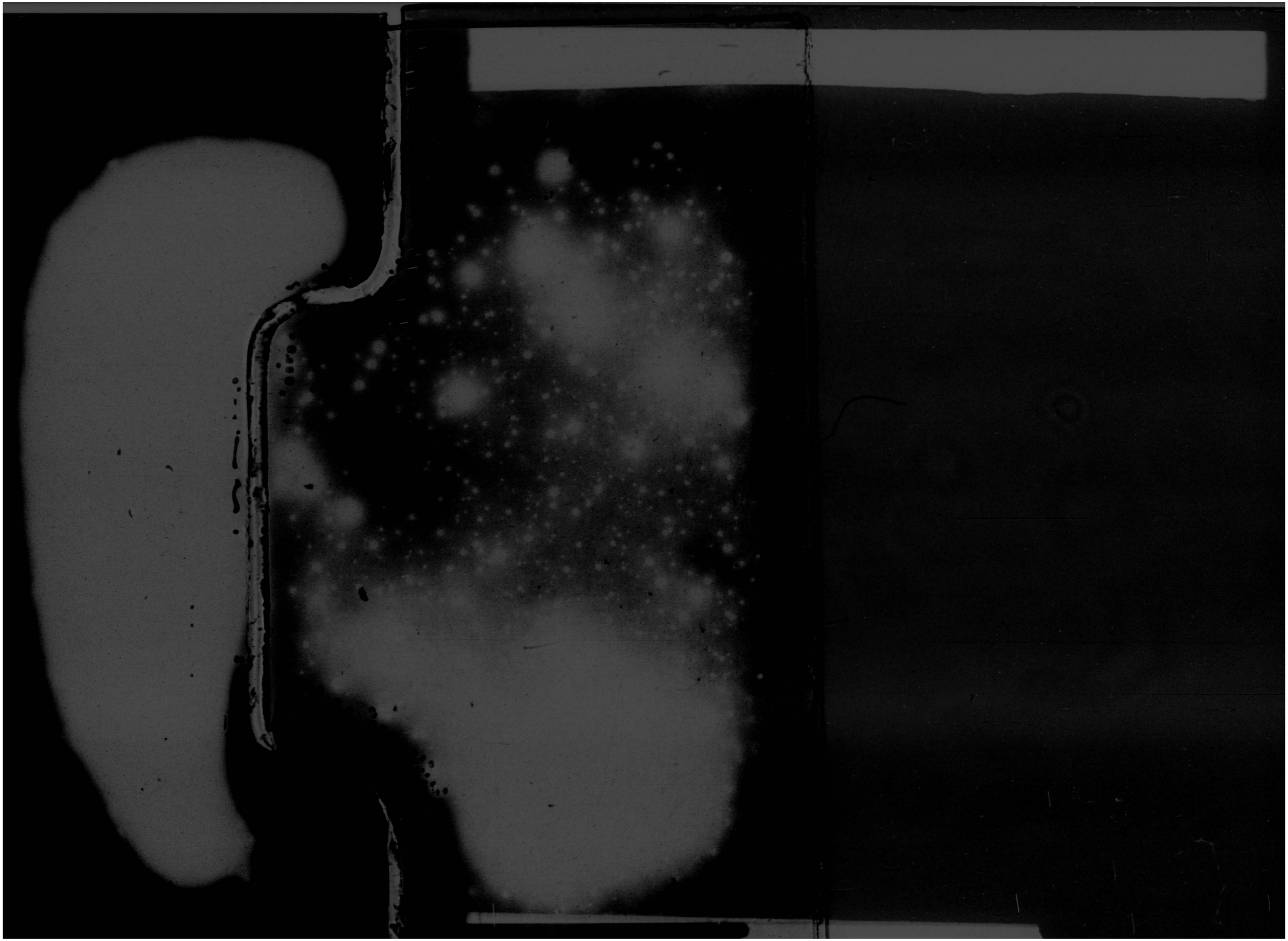

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DOCUMENT TO ROLL INDEX

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