Request ID: 0001128501

UNCLASSIFIED
TRANSMITTAL OF MATERIAL

Type: OMAL

Submitted: 20220524

| TO
MR. JOHN GREENEWALD, JR.
27305 W. LIVE OAK RD
SUITE #1203
CASTAIC, CA 91384 | FROM (RETURN ADDRESS)
DEPARTMENT OF DEFENSE
NATIONAL SECURITY AGENCY
9800 SAVAGE ROAD
FORT MEADE MARYLAND 20755-6000
ATTN: RAMSEY,VICKI LYNN
SUITE: 6881 | This transmittal may NOT be downgraded upon removal of the enclosure(s).
This transmittal may NOT be declassified upon removal of the enclosure(s). |

WRAPPED			COMSEC		SUBMITTED
[X] U	[ ] S	[ ] D	[ ] YES	[X] NO	20220524

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USPS - First Class	**1 of 1**

LN#	UNCLASSIFIED TITLE/DESCRIPTION OF ITEM	QTY	TOT COST	MFG SERIAL#	BARCODE	CLASS. OF ITEM
1	SERIAL: MDR-112408, DATED 24 MAY 2022	1	0			UNCLASSIFIED

DESIG	ACCT	TYPE	PAS STATEMENT	APPROVAL
CPOENP	NO	NA	Not Applicable	

SPECIAL HANDLING INSTRUCTIONS (UNCLASSIFIED)

REQUESTED BY	SIGNATURE	ORG	PHONE
RAMSEY,VICKI LYNN (VLRAMSE)	*Vicki Ramsey*	P133	(667)812-8002

UNCLASSIFIED

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- -

Request ID: 0001128501

RECEIPT
(Please sign and return immediately. Avoid tracer action)

Type: OMAL

RETURN TO DEPARTMENT OF DEFENSE NATIONAL SECURITY AGENCY 9800 SAVAGE ROAD FORT MEADE MARYLAND 20755-6000 ATTN: RAMSEY,VICKI LYNN SUITE: 6881	FROM MR. JOHN GREENEWALD, JR. 27305 W. LIVE OAK RD SUITE #1203 CASTAIC, CA 91384	Receipt is hereby acknowledged for the material or documents listed under this Request ID

SID (Typed or Printed)	DATE RECEIVED

NAME (Typed or Printed)

SIGNATURES

Serial: MDR-112408
24 May 2022

Mr. John Greenewald, Jr.
27305 W; Live Oak Rd.
Suite #1203
Castaic, California 91384

Dear Mr. Greenewald:

This responds to your request of 14 July 2021 for a Mandatory Declassification Review of a "Research Initiatives PowerPoint presentation, 22 December 2016, as seen on https://www.nsa.gove/Portals/70/documents/news-features/declassified-documents/presidential-transition-documents/research_initiatives_brief.pdf." The presentation has been reviewed under the Mandatory Declassification Review (MDR) requirements of Executive Order (E.O.) 13526. We have determined that some of the information in the material requires protection.
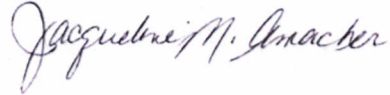
Some portions deleted from the enclosed reviewed articles were found to be currently and properly classified in accordance with E.O. 13526. The information denied meets the criteria for classification as set forth in Section 1.4 subparagraph (c) and remains classified TOP SECRET as provided in Section 1.2 of E.O. 13526.

Moreover, Section 3.5 (c) of E.O. 13526, allows for the protection afforded to information under the provisions of law. Therefore, information that would reveal NSA/CSS functions and activities have been protected in accordance with Section 6, Public Law 86-36 (50 U.S. Code 3605, formerly 50 U.S. Code 402 note).

Since your request for declassification has been denied you are hereby advised of this Agency's appeal procedures. Any person denied access to information may file an appeal to the NSA/CSS MDR Appeal Authority. The appeal must be postmarked no later than 60 calendar days after the date of the denial letter. The appeal shall be in writing addressed to the NSA/CSS MDR Appeal Authority (P133), National Security Agency, 9800 Savage Road, STE 6881, Fort George G. Meade, MD 20755-6881. The appeal shall reference the initial denial of access and shall contain, in sufficient detail and particularity, the grounds upon which you believe the release of information is required. The NSA MDR Appeal Authority will endeavor to respond to the appeal within 60 working days after receipt of the appeal.

If you have questions regarding this action, please contact me at 301-688-7785.

Sincerely,

Jacqueline M. Amacher
Chief
Declassification Services
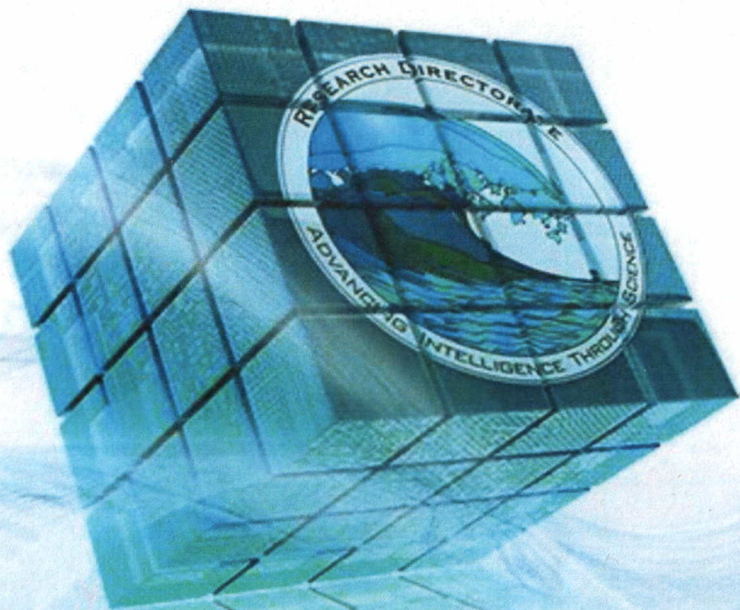
Encl.:
a/s

The Black Vault

The Black Vault is the largest online Freedom of Information Act (FOIA) document clearinghouse in the world. The research efforts here are responsible for the declassification of hundreds of thousands of pages released by the U.S. Government & Military.

Discover the Truth at: http://www.theblackvault.com

Research Initiatives

Dr. Deborah Frincke

Director, NSA/CSS Research Directorate

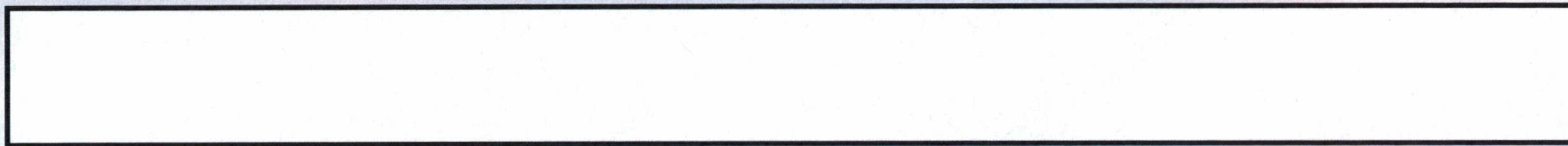22 December 2016

The overall classification of this briefing is:

(U) Importance of R&D

(U) Critical to Mission Execution

- (TS//NF) **Produce bold technological advances** unknown to the rest of the world – we can create anticipatory advantage over adversaries
- (U//FOUO) **Enhance Effectiveness and Efficiency** via rapid scaling/leveraging of newer technologies – we accelerate integration for mission use
- (U//FOUO) **Transition ideas, perspectives, and technologies** across government and outside NSA – we drive national change

(U) Strong NSA Commitment to Research

- (U//FOUO) Largest in-house Research organization in the IC
- (U//FOUO) One of the most longstanding R&D investments in government
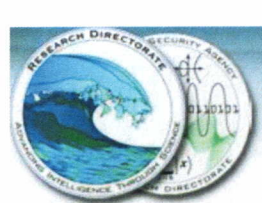
EO 1.4.(c)
PL 86-36/50 USC 3605

(U) Exemplar Research Investment Priorities: 2-6 Years to Fruition

EO 1.4.(c)
PL 86-36/50 USC 3605

- ~~(TS//NF)~~ Blended cyber
  - Tradecraft for full scope computer network operations
    - Architectures to support global agile cyber network operations
    - Stealth science/covert infrastructures to defend against compromise
  - Enable safe operations in untrustworthy environments
    -
    - Secure by design, at scale

- ~~(U//FOUO)~~ Analytic Research
  - Predictive analytics/anticipatory intelligence
  - Privacy/compliance sensitive methods

- ~~(C//REL TO USA, FVEY)~~ Crypto Math
  - Maintain superiority in code making and code breaking
  - Advance expertise in deep learning/machine learning

(U) High Performance Computing

EO 1.4.(c)
PL 86-36/50 USC 3605

- (S//REL TO USA, FVEY) Invest in, influence, and develop technologies

- (S//REL TO USA, FVEY) Emphasis on cryptanalytic, data analytic, and cybersecurity outcomes

PL 86-36/50 USC 3605

(S//NF) 4

(S//NF)

(U//FOUO) Way Ahead

- (U//FOUO) Fundamental Research (and Development) investments remain critical to the future of the IC.

EO 1.4.(c)
PL 86-36/50 USC 3605

PL 86-36/50 USC 3605
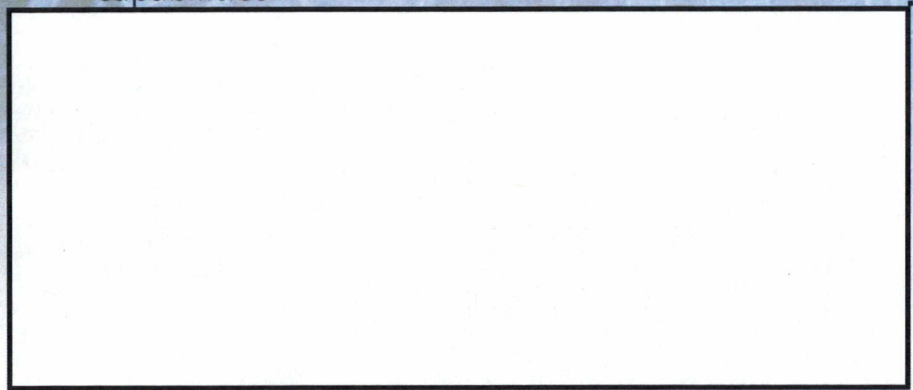
(U) Big Data Analysis

PL 86-36/50 USC 3605

(U) The Challenge

- (U) IC analysts need to address an increasingly skyrocketing volume and velocity of data in 90 plus languages and across a gamut of media.

(U) Research Impact on Mission: Examples

- (U) Early NSA Research work on large data warehouses pre-dated advances in commercial capabilities.

(U) Research Approach

- (U) Enable Analysis
- (U) Create peta-scale data warehouses to store mission data coming in at increasing rates.
- (U) Create analytics to deal with data
  - Images & video
  - Speech & text
  - Geolocation data
  - Technical data (Tech SIGINT)
- (U) Create data correlation techniques to spot target behavior & emerging trends.
- (U) Create new approaches for visualizing complex information.

(U) Projected Research Outcomes

Research	Interim	Prototype	FY15	FY16	FY17	FY18	FY19
Predictive Analytics							
Speech->Text Uncommon Languages					◆		
Search by Voiceprint						◆	
Data Fusion & Visualization							◆
Data Warehouse			◆				

Questions?