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SECRET

3.3(h)(2)
6.2(d)

ORD-2015-74

6 May 1974

MEMORANDUM FOR THE RECORD

SUBJECT: TACANA

1. The following approach for the building up of an initial radar mock-up will be coordinated with [redacted] and [redacted]

2. In order to fabricate an inexpensive radar mock-up in a short period of time, the following is proposed as an initial training device. Essentially, the mock-up is broken into five major elements.

a. A van-type vehicle with storage space inside to store the other elements when the mock-up is moved from site to site and during periods of opposition satellite coverage. It will also be necessary to have an olive drab tarpaulin canvas that can cover the entire van to make it look more realistic.

b. A five-element helical antenna could be fabricated using five lightweight helical springs mounted on a Styrofoam reflector with the supporting boom attached where the rearview mirror is located on the base van.

c. Two main antenna reflectors could be fabricated out of Styrofoam and strengthened with cloth fiberglass and a fine silver screen mesh to reduce wind resistance.

d. An antenna feed system that could be essentially a Styrofoam box-like structure with treated Styrofoam feed horns.

3. This approach will be discussed with [redacted] during the week of 6 May 1974.

[redacted]

Operations Technology, ORD

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