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14 December 1971

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MEMORANDUM FOR: [Redacted]

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SUBJECT : Search for THICK EIGHT HF/DF Facilities, USSR

REFERENCES : NSA/SPO/R-060-72 (NPIC Project 251266)

1. In response to the referenced requirement, 17 locations in the USSR were searched for THICK EIGHT high-frequency/direction-finding (HF/DF) facilities. The requirement also requested an analysis of any associated HF communications antennas. THICK EIGHT HF/DF facilities were identified at 10 of the 17 locations. An associated communications antenna, a single quadrant, could be identified only at the Brest DF Facility THICK EIGHT. The latest available [Redacted] photography through [Redacted] was used in this analysis.

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2. Confirmed THICK EIGHT HF/DF facilities were observed at the following locations.

- a) Brest DF Facility THICK EIGHT
52-08-20N 023-42-25E
BE None

A probable buried cable extends from the control building of the HF/DF antenna to a quadrant antenna. A small support building is near the quadrant antenna.

- b) Lvov DF Facility THICK EIGHT
49-55-00N 024-04-00E
[Redacted]

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Four support buildings and nine probable communications vans are adjacent to the HF/DF antenna. No HF communications antennas could be identified.

Declassification Review by NIMA/DoD

GROUP 1
Excluded from automatic downgrading and declassification

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c) Kabalovka THICK EIGHT Facility
60-03-00N 030-14-00E

[Redacted]

Thirteen probably associated buildings are adjacent to the THICK EIGHT. No HF communications antennas could be identified.

3. Confirmed THICK EIGHT HF/DF facilities were observed at the following locations, but no HF communications antennas or support buildings could be identified.

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a) Krasnoye Selo THICK EIGHT Facility
59-42-00N 030-03-00E

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b) Moscow/Ostafyevo Afld DF Facility THICK EIGHT
55-33-00N 037-28-00E

[Redacted]

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c) Minsk DF Facility THICK EIGHT
54-00-00N 027-39-00E

[Redacted]

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d) Kiyev DF Facility THICK EIGHT
50-22-49N 030-25-10E

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e) Yuzhnyy THICK EIGHT Facility
49-52-24N 036-08-09E

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f) Astrakhan Afld DF Facility THICK EIGHT
46-11-00N 048-04-28E

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g) Agtagla THICK EIGHT Facility
41-36-10N 044-54-00E

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4. No THICK EIGHT facility was identified at the following location.

Ashkhabad
37-57-00N 058-23-00E

A fix 24 HF/DF antenna, at the Ashkhabad HF/DF Facility
[redacted], was observed at 37-58-50N 058-17-00E.

5. The following coordinates are near Ashkhabad, not near Moscow. No THICK EIGHT facility was observed at this location.

Moscow
38-00-00N 058-12-00E

6. The following facility is not a THICK EIGHT but an HF/DF facility of an undetermined type.

Magadan DF Facility
59-37-20N 150-48-20E
[redacted]

7. No THICK EIGHT HF/DF facilities were identified at the following locations.

- a) Moscow
55-35-00N 037-42-00E
- b) Dallyar Airfield
40-15-00N 046-43-00E
- c) Kaliningrad
54-40-00N 020-31-00E

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Bataysk DF Facility
47-06-00N 039-41-00E

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9. This project is considered to be complete. Any further inquiries should be directed to [Redacted] NPIC/IEG/MSD/DMEB, IDS Code 143, extension [Redacted]

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- 11 - DS-3B8
- 12 - DS-3B9
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