

4 November 1969

MEMORANDUM FOR: Chief, Advanced Systems Branch, D&AD/OSP

SUBJECT : Query concerning possible additional use of
EOI Ground Stations and Relay Satellites

REFERENCE : A. USIB BYE 099-69/1 of 29 July 1969
"Requirements for a Near-Real-Time
Imagery Satellite System" to holders of
USIB-D-46.4/30

B. USIB BYE 099-69 of 16 July 1969
"Requirements for a Near-Real-Time Imaging
Satellite System"

1. I have read the referenced USIB background documentation for R/S implications. These documents raise the questions outlined in Paragraph 3.

2. Paragraph 6c indicates that Col Lew Allen of NRO listed three ways in which Army objectives ("add unified and specified commands and their components and to permit initial interpretation and exploitation to take place in designated overseas locations") can be implemented:

a. "All data collected to be transmitted to a number of ground stations."

b. "Selection of data as it returns from the satellite for direct transmission from the satellite to overseas locations"

c. "Limited retransmission where a number of selected frames would be sent from a central station to locations other than via communications satellites."

3. Paragraph 14c of Reference A amends Paragraph 6 of Page 6 of Reference B which now indicates that imagery will

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be available in the [redacted]
relay satellites in synchronous orbits and the employment of
relatively rapid processing rates on the ground for at least
selected targets will be required. In addition, this Paragraph
states, "Further study will be needed to determine the feasibility
and suitability of dissemination to other locations, keeping in
mind the requirements of valid and specified commanders for
the timely dissemination of selected imagery."

4. Questions on which guidance is requested:

a. In the R/S and EOI Ground Station studies
currently on-going, should active consideration be
given to one or more of the options listed in Paragraph

b. If overseas transmission of imagery from the
[redacted] is a desirable planning objective, should
the EOI Ground Station and R/S be considered as links
in the transmission of selected imagery to the overseas
user when not being used for the reception of imagery
being sensed? If so, this will significantly affect their
design.

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