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OSP-0207-71
8 March 1971

MEMORANDUM FOR: C/PPBB/PAD/OSP

SUBJECT : CIA Back-up to NRO Budget FY 1972

REFERENCE : OSP-0174-71, dated 2 March 1971, same
subject

Attached hereto is the Zaman Program Office input to
referenced request.

CHARLES E. ROTH, JR.
PROGRAM DIRECTOR
Z PROGRAM

Attachment: a/s

Distribution:

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ORIG:Z/OSP 7491: (8 March 1971)

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BYE-6415-71

ELECTRO-OPTICAL IMAGING PROGRAM

The information reported herein is as of March 1971.

The Electro-Optical Imaging Program objective is to develop a reconnaissance satellite system providing a continuous and responsive flow of imagery data to the Intelligence Community. The system will provide a major new capability with application for a broad range of strategic intelligence problems.

System functional requirements have been developed to be used as a guide for the technology activities and for the completion of System Definition. These requirements have evolved as the result of continuous interaction between elements of the Intelligence Community in an effort to define the Electro-Optical Imaging System configuration and operation to meet intelligence needs most effectively.

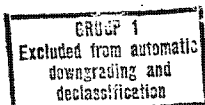
The baseline system concept involves three major elements - The Imaging Satellite, a network of Relay Satellites, and CONUS ground facilities, including a Receiving Facility and an Operations/Processing Facility. The Imaging Satellite will provide continuous on-orbit availability with a minimum life expectancy of one year. The Relay Satellites will provide continuous communications capability between the Imaging Satellite and the ground facilities and will deliver near real-time readout. A number of system configuration concepts are being preserved as options until all major subsystems have been evaluated in a total systems environment.

The Relay Satellite System is proceeding under Space and Missile Systems Organization (SAMSO) direction and is supported with USAF funds. Close coordination with SAMSO is being and will be maintained to integrate performance requirements for the Relay Satellite System with the other elements of the Electro-Optical Imaging System.

PROGRAM PLAN

The Electro-Optical Imaging Program Plan is structured in the following phases:

- a. Advanced Development Phase
- b. System Definition Phase I and II
- c. System Acquisition Phase
- d. Initial Operational Capability Phase

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The Program is currently in System Definition Phase II. The Advanced Development Phase including system studies was completed in the last quarter of FY 1970 and System Definition Phase I was completed in the second quarter of FY 1971. The detailed data resulting from that work formed the basis for System Definition Phase II. Phase II and final costed proposals for System Acquisition will be completed in September 1971.

The technology development projects have met all the program milestones established for Advanced Development and for System Definition. In all areas progress has established system feasibility.

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