

BYE-7933-69

Cycle

29 OCT 1969

ELECTRO-OPTICAL IMAGING PROGRAM

FY 70 - FY 75 COST ESTIMATES

1. BYE-13231-69 requested that the Office of Special Projects Electro-Optical Imaging Program plan previously submitted (BYE-7517-69 dated 16 July 1969) be revised and updated as necessary based on recent EXCOM decisions and funding actions. The July 1969 Financial Plan for the Electro-Optical Imaging Program has been impacted to a marked degree by August and September EXCOM decisions. The FY 70 plan of BYE-7517-69 has been in essence superseded by BYE-7690-69 dated 8 September 1969. It is against the 8 September plan that funds were released and the program described in that document for FY 70 is now well under way.

2. The basic objective of the Electro-Optical Imaging Program and the overall program philosophy remains as described in the July Financial Plan. However, the overall program schedule as described in that document is no longer valid. Based on earlier EXCOM decisions and the guidance in BYE-13231-69, the program schedule has been revised to be consistent with initiation of the acquisition phase of the program in early 1971 with launch of the first imaging satellite in April 1974. This new schedule is attached as Appendix I to this document and replaces Appendix I to BYE-7517-69. The revised schedule has not impacted the total cost for the acquisition phase of the program; however, time phasing of these costs has changed. The new funding breakdown by fiscal year and by major system element is contained in Appendix II to this document. The funding profile in this Appendix is based upon a 1 February 1971 start of the acquisition phase of the program and a FY 71 funding limitation as directed.

~~TOP SECRET~~

HANDLE VIA BYEMAN

3. With the EXCOM decision to charge SAMSO with the development of the data relay satellite, costs for that portion of the program have been deleted. Actions are now under way to establish a working interface with SAMSO so that that organization can begin to develop a program consistent with the requirements of the Electro-Optical Imaging System.

4. As with the earlier Financial Plans, cost estimates for launch vehicles are not included in this document under the assumption that SAFSP will do the budgeting for these procurements. SAFSP has been informed of the launch vehicle requirements for the imaging satellite and has been requested to submit to the Comptroller, NRO, their cost estimates by fiscal year. The launch vehicles for the relay satellites will presumably be handled in the same way as the costs for the relay satellite development itself and will be carried in the normal Air Force budget.

5. The cost estimates by major system elements remain relatively unchanged from July 1969 as presented in Appendix IV to BYE-7517-69. For completeness these estimates are repeated in Appendix III to this document. Again the relay satellite has been deleted inasmuch as SAMSO has full responsibility for this portion of the program.

6. BYE-13231-69 specifically requested a breakout of optical system costs. The current OSP estimate of costs of the optical system development during the acquisition phase of the program is [redacted]. The EXCOM decision directing all EOI optical system design and fabrication efforts in FY 70 to [redacted] virtually assures the selection of [redacted] as the contractor for the acquisition phase of the program. However, certain of the optical system elements may be procured from either [redacted] on a subcontract from [redacted]. OSP has recommended that FY 70 funds be made available to insure the orderly development of the large optical element fabrication technology at both [redacted] [redacted]. It is not possible to judge at this time whether or not any major subcontracts from [redacted] or [redacted] will in fact materialize.

BYE-7933-69

Page Two

HANDLE VIA BYEMAN

7. Both the [redacted] and the airborne computer programs presently funded through SAISP have been incorporated as subsystem elements under the Imaging Satellite beginning with system acquisition in February 1971.

8. BYE-7690-69 covered the FY 70 funding requirements for the Electro-Optical Imaging Program. This document covers the funding requirements for the acquisition phase of the program beginning in March 1971. The July 1970 through February 1971 funding requirements are not covered in either document nor is any previous budgetary submission valid for this time frame under the revised program guidelines. OSP has a budgetary plan for this time frame in preparation which will be submitted at an early date.

BYE-7933-69
Page Three

~~TOP SECRET~~

HANDLE VIA BYEMAN