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ADVANCED RESEARCH PROJECTS AGENCY
Washington 25, D. C.

File
SAMOS
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MEMORANDUM FOR GENERAL OSTRANDER

SUBJECT: Summary of SAMOS Program Situation

The purpose of this memorandum is to outline the sequence of events leading to the current confused and inadequate funding situation existing in the SAMOS Program. There is an urgent need for establishing a policy or program decision so that AFMD can proceed with planning, programming and contract negotiations in an intelligent orderly manner.

In January 1959, after a series of program reviews and ARPA Air Force discussions, a SAMOS development plan was submitted to ARPA involving a reoriented and agreed upon program. The program as presented by AFMD required \$96.6 million for FY 1959 and \$160.0 million for FY 1960. This development plan was approved by ARPA with minor exceptions which are essentially irrelevant to the discussions presented here. The \$160.0 million for FY 1960 provided for an 18 shot R&D program including both readout and recovery. Toward the end of FY 1959, a review of the total ARPA budget for FY 1960 indicated that because of budget ground rules established, certain program adjustments would have to be made. A tax was sent to AFMD citing that only \$135 million would be available for SAMOS in FY 1960. It was suggested in the tax that perhaps this adjustment could be accommodated by deferring recovery. (Contracts at this time had not yet been awarded on the E-5 camera nor the recovery capsule.) In response to this tax AFMD prepared new development plans in conjunction with which briefings were provided to the Air Force staff and to ARPA in July 1959.


In these briefings it was pointed out that readout alone would require \$143.8 million in FY 1960. Recovery was estimated to require approximately \$25 million in FY 1960. Due to the lack of a clear cut policy decision on recovery per se, plus funding difficulties, it was decided independently by both the Air Staff and ARPA that the development plans could not be approved. As a result

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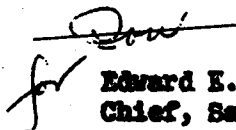
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It is extremely improbable that AFMSD can provide an acceptable development plan this month under these circumstances. To add to the confusion there is the unresolved situation with respect to transfer of ARPA space programs to the services. In addition, the Air Force had budgeted for space programs ~~_____~~



It can be concluded that there is not in existence an integrated program approach, that unilateral actions are being taken, that AFMSD is in an extremely difficult position and the the program is thereby suffering unnecessarily. It is strongly recommended that an Air Force-ARPA meeting be held with the objective of arriving at a firm joint position relative to the technical approach to be followed and the joint program funding level to be supported. This joint position should then be provided to the Director of Research and Engineering in order that a firm decision can be made and meaningful guidance provided to AFMSD.


Edward E. Harriman
Chief, Satellite Branch

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SUMMARY OF SANDS FUNDING SITUATION

	<u>FY 1960</u>
Required (Jan 58 devl.plan)	<u>150.0</u>
Required - July 59 briefing	
readout	
recovery	
total	
Available (ARPA guidance)	148.0
Available (Current)	148.0
Available (Air Pores) (operational program)	

*Funds in millions of dollars.



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