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- a. Make every effort to obtain one successful F_1 in orbit for an operational period of approximately 36 hours (not for the purpose of obtaining intelligence information but rather to obtain R&D information). Subsequently, the F-1 may be removed at the discretion of the USAF or as determined by the evaluation of the results of successful flights.
- b. Continue with the manufacture of the F_2 payloads but schedule only two launches. The first of these launches is June 1961, the second to be scheduled later.
- c. Reduce the E_2 program from 8 launches to 3 launches.
- d. The sole requirements that define the ultimate operational capabilities are to be those stated in the USIB SAMOS Requirements document, dated 5 July 1960, and as may be subsequently changed by the USIB. These are the only set of intelligence requirements that pertain to the SAMOS program, and are to be so recognized by the Air Force. It is to be noted that the R&D program necessary to meet the operational requirement is not to be specified by the USIB but is the responsibility of the R&D management agency.
- e. With respect to the work statement outline that will be used for the new recoverable gross coverage payload, the ground resolution will be specified as the best that the state of the art will support, and not be limited to 20 feet. Further, the new recoverable system in toto should be the best that the state of the art will support; i. e., recovery

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method, guidance, components, etc.

f. Proceed immediately with the siting, design, and construction of a blockhouse and 3 ATLAS/AGENA launch pads adjacent to Complex 1, Point Arguello.

g. The proposal for the Thor (solid rocket assist) development program is disapproved.

h. The new Development Plan launch schedule should contain the following provisions:

- (1) Three E₁/F₁
- (2) Three E₂
- (3) Two F₂
- (4) Two E₅ diagnostic capsule flights
- (5) Seven E₅
- (6) Seven new recoverable (Diagnostic, if required, to be allocated from the 5 unassigned)
- (7) Three F₃
- (8) Five unassigned ATLAS/AGENA

i. Make the maximum possible use of Thor boosted vehicles for component test, that is, recovery development program, stabilization test, etc.

j. Maximum use will be made of the AMR facilities especially for the recovery test program and winter launches. (Three advanced re-entry ATLAS/AGENA vehicle tests are scheduled to be fired from the

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AMR at the present time. These are not considered an integral part of the SAMOS program.)

k. Provide funding requirements in accordance with the above conditions.

l. Initiate a comprehensive parallel technical development program, using expedited administrative procedures, including sole source procurement. This program and resulting procurement is not restricted to a single concept nor a single source.

m. The disposition of the Denver Laboratory facilities to be held in abeyance pending the establishment of an Ad Hoc Review Committee to look into and recommend disposition to DDR&E within three weeks; (the committee to categorize their report into pertinent areas such as the capability to handle: 1) recovery, 2) readout, 3)ELINT, and 4) evaluation of SS/I equipment vs. current intelligence processing equipment, 5) identify equipment indispensable to a) revised SAMOS program, b) other intelligence needs, and c) that which should be terminated.

n. The continued development of SS/I and simulation to provide a complete Phase I capability for E₂ and F₂ and those portions of E₅ currently under development to be held in abeyance pending the review committee's recommendation.

o. The proposed management structure at both the active R&D level and the guidance level to be held in abeyance pending further instructions.

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p. With respect to the method of handling of the R&D take for other than R&D purposes the intelligence community to submit to the USAF their recommendations relative to procedures, techniques and quantitative requirements pertaining to the end product.

q. The proposal for the use of Westover Air Force Base to be held in abeyance pending recommendation of the intelligence community. It is to be noted that the SAMOS R&D program decisions are not contingent upon a decision on whether to use Westover as a central space film processing facility.

r. The proposal for using the Denver Data Processing Lab as a site for Category 2 and 3 testing and Air Force Phase I evaluation to be held in abeyance awaiting the results of the Ad Hoc Committee review.

s x. It is imperative that the R&D program be amenable to the flexibility of switching payloads as a result of early successful launches; i. e., be prepared to substitute an F₂ for the third E₂ or a scheduled new recovery payload.

t. The Air Force is to prepare a set of presentations or reports clearly outlining what the Air Force is doing in the component test areas; that is, recovery research, including Mercury, station keeping, power supply, all satellite gadgetry, that would justify the scope of the SAMOS launch schedule. These briefings are required for the first week in August, and tentatively expected to be given at AFBMD.

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u. It is believed that the Air Force has not yet recognized the national character of the SAMOS program. It is mandatory that the program be expedited, expanded, and efficiently managed as a national asset.

v. Political acceptability through plausible cover in terms of dual payloads are mandatory considerations to be met by the revised program.

w. The technical development area to be augmented to investigate and provide the following when appropriate:

- (1) Spin pan.
- (2) E₅ resolution to solve the area coverage problem.
- (3) Frame camera capabilities.
- (4) High resolution map camera, i. e., 100'-50' and 20' resolution.
- (5) Electrostatic program (improved TIROS)
- (6) Appropriate bio-medical experiments
- (7) Physical science experiments.
- (8) All-weather peacetime inspection capability
- (9) All-weather peacetime surveillance capability
- (10) Dual payload capability.
- (11) Optical systems of various focal lengths, formats, lens systems, etc.