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RELEASE 1 JULY 2015

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DEPARTMENT OF THE AIR FORCE  
MANNED ORBITING LABORATORY, SYSTEMS PROGRAM OFFICE (OSAF)  
AF UNIT POST OFFICE, LOS ANGELES, CALIFORNIA 90045



18 JAN 1968

~~MEMORANDUM FOR GENERAL STEWART~~

SUBJECT: MOL Monthly Management Report, 25 Nov-25 Dec 1967

Attached is the monthly report of significant events,  
25 Nov-25 Dec 1967.

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Report

*J. S. Blizmaier*  
J. S. BLIZMAIER, Maj Gen, USAF  
Deputy Director, MOL

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MONTHLY REPORT  
OF SIGNIFICANT EVENTS  
25 NOVEMBER 1967 - 25 DECEMBER 1967

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1. On 8 December 1967 Dr. Flax was briefed by the contractors on the revised schedule. The schedule, constrained by fiscal year funding limitations, was developed by the associate contractors during the week of 4 December. A meeting between the MOL associate contractors and the Air Force was held at DAC on 13 and 14 December to implement the decisions resulting from Program briefing to Dr. Flax. At this meeting agreement was reached on a revised detailed program schedule and on quantities and need dates for items of exchange hardware. It was also decided to hold a meeting at GE during the first week in January to resolve any differences on data exchange items.

2. The SPO has initiated Project Upgrade to establish and document as soon as feasible a valid, well defined, integrated total program that can be priced, negotiated and managed. A top level block flow diagram has been prepared as well as descriptions for most of the blocks. Effort is continuing to finalize the top level flow and associated descriptions. In the meantime, preparation of the second level flow has begun and should be ready for presentation by 8 January. The second level flow is necessary for implementation of Project Upgrade. Timelines for the second level should be ready 9 January. The project output will be:

- a. Validated program requirements
- b. System Package Program
  - (1) Program baseline
  - (2) Management road map
- c. Contractor, Program Office and Government Agency roles and responsibilities and agreements
- d. Contract work specifications (consistent, compatible and coordinated)
  - (1) For 15 January unpriced supplemental agreement (S/A)
  - (2) For June upgrading of unpriced supplemental agreement
  - (3) For June Request for Proposal for remainder of program

3. Itek and Goodyear are each shipping an Image Velocity Sensor (IVS) breadboard unit to GE in January 1968 for evaluation and competitive testing.

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4. On 14 December, GE presented a "Make or Buy" briefing on the Thermal Door (Sliding Mask) for which it has responsibility. GE plans to manufacture this item at Valley Forge Space Technology Center versus the alternative of procuring the hardware from DAC. The SPO did not oppose this "make" recommendation from a cost or technical standpoint.
5. Data Corporation was redirected to provide 20 hours of airborne training for astronauts in target acquisition and recognition. Also the capability of providing both 70mm and 35mm target material is being provided.
6. The final review of the Support Module Study, Phase IA, was held at DAC on 4-7 December 1967. The associate contractors presented the results of their studies to define a configuration for Phase IB of the Support Module effort. Results of the meeting were considered satisfactory.
7. On 6-8 December 1967, a group of FTD analysts were briefed on the MOL/DORIAN system and the Model 608 Target Deck at Wright-Patterson AFB, Ohio. Their support in specifying S&T essential elements of information (EEI's) was requested in order that the Model 608 will reflect as nearly as possible what the collection requirements will be for the DORIAN system in the 1971-1973 time period. Discussion of tasks to be accomplished and various deliveries to be made by the people from SAC and FTD led to agreement of a schedule for these actions through the end of January.
8. TRW has completed and delivered twelve studies required in the development of the Mission Planning and Evaluation (MP&E) software. The results of these studies are being analyzed by the SPO/Aerospace for inclusion in the Preliminary Part I Specification documentation for the MP&E software.
9. Test and Operations Effort for CY 1968 - Agreement was reached between DAC and the SPO on the scope of the Test and Operations effort to be performed by DAC in CY 1968. Specific contract revisions incorporating these agreements will be included as part of the supplemental agreement to be issued by 15 January 1968.
10. The GE AVE Software Specification (CEI MOK 802) was approved during the month. This is the first operational software specification to receive approval. All operational software specifications, except for MP&E, should be completed early in 1968.

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11. A Contract Change Notice (CCN 72), which incorporated GE requirements in the DAC executive software control system, was issued during December. In addition, DAC CAR 060, for deletion of redundant programs from the DAC contract, was approved and made ready for signature. The remaining step in solving the AVE executive software problem is to delete the executive from the GE specification. A CAR for such action is in preparation.

12. The GE management level simulation briefing presented to the SPO on 1 December revealed that simulation program cost estimates have increased considerably over the last available information. A more detailed presentation was requested from GE in an effort to determine the cause of these increases. As a result, a simulation requirements and cost review briefing was presented by GE on 13 December.

13. A copy of the revised T-IIIM Air Conditioning Proposal has been received and is being reviewed. Through a scrubbing of environmental requirements, a \$1,000,000 cost saving to the Program has been realized. The SPO is taking a final look at the proposal to insure that all excessive requirements have been deleted.

14. A Program Management Review was held jointly between the MOL SPO and T-III SPO with the booster contractors (MMC, UTC, AGC, ACED), A go ahead was given to MMC for a 15-week study to determine a fix for the POGO problem. Contract negotiations are presently under way for the Phase I study.

15. SPO personnel directed the checkout activities and participated in the validation of the Gemini B Abort Engineering Simulation at Ling-Temco-Vought Corporation in Grand Prairie, Texas. The checkout was completed and simulation runs initiated on 13 December. Completion of the simulation runs is scheduled for the end of January 1968.

16. The Advanced Planning office has been active in SAMSO's studies of the proposed Satellite Control Satellite. This system would provide continuous real-time communications between satellite and ground stations with a data bit-rate of up to 100 mega-bits per second. This system is intended to be operational by 1972.

17. An interface document sign off system has been proposed by the SPO. The new system, which includes SPO/Aerospace technical approval of interface documents at regularly scheduled meetings with all affected contractors, will greatly speed up contractual implementation of these documents. A meeting will be held in January to discuss implementation procedures with each contractor.

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18. The MOL CCB dispositioned 68 ECP's; 20 were approved; 5 were disapproved and 43 were deferred for further evaluation. The major cost bearing ECP's approved by CCB action totalled approximately \$100,000 credit based upon non-negotiated contractor estimates.

19. The T-IIIM CCB dispositioned 83 ECP's; 31 were approved; 11 were disapproved and 41 were deferred for further evaluation. The major cost bearing ECP's approved by CCB action totalled approximately \$316,000.

20. Supplemental Agreement 24 for \$3.479 million which definitizes 10 CCN's was sent to EK for signature. This brings the total amount on contract with EK to \$264.4 million.

21. The financial statement for this reporting period is as follows:

a. Of the \$228.4 million FY 67 funds received, \$228.4 million has been initiated.

b. Of the \$240.0 million FY 68 funds received, \$238.4 million has been initiated.

22. MOL manpower status:

	<u>AUTHORIZED</u>	<u>ASSIGNED</u>	<u>DIFFERENCE</u>
*OFFICERS	125	137	+ 12
AIRMEN	9	7	- 2
CIVILIANS	100	74	- 26
HIGHGRADES	(34)	(22)	-(12)
CLERICAL	(66)	(52)	-(14)
	<u>234</u>	<u>218</u>	<u>- 16</u>

\*MOL Flight Crew included. Six attached officers (4 Navy/Marine Flight Crew, 1 SAC and 1 MAC are not included).

T-IIIM not shown

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