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DEPARTMENT OF THE AIR FORCE
WASHINGTON 20330



OFFICE OF THE SECRETARY

JULY 1, 1968

MEMORANDUM FOR RECORD

SUBJECT: Program Review Council Meeting, June 24, 1968

The Program Review Council Meeting convened in the
MOL Systems Office Control Room at 0900 hours, June 24,
1968. Principals in attendance were:

Dr. Flax	General Martin
General O'Neill	General Berg
General Stewart	Dr. Yarymovych
General Bleymaier	Mr. Palley

The two major agenda items were the Deputy Director's
fiscal report and a presentation on a [redacted]
[redacted] role for the MOL mission.

Deputy Director's Report

The Deputy Director's report on fiscal status included
a detailed review of the MOL fiscal history and changes
in program funding levels to date. The current funding
situation, predicted to the end of FY 68, was estimated
to be a contractor position of \$751.9M consisting of
expenditures, fee, and non-cancellable commitments.
Compared with the \$722.3M available leaves a negative
variance of \$29.6M in non-cancellable commitments out-
standing. There are no cash payment deficiencies.
Technical progress against present schedule is satisfactory
with both the FV-1 and FV-2 unmanned qualification flights
on schedule and the first manned flight (FV-3) presently
on schedule but extremely sensitive to funds available
in early FY 69.

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Page 1 of 5 pages
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In view of the anticipated reduction in the MOL FY 69 budget, a number of program alternatives were considered varying both cost and schedule. The four principal alternatives reviewed consisted of:

- a. Baseline program at an FY 69 NOA of \$530M.
- b. Baseline program with an FY 69 NOA of \$500M.
- c. Realign program which defers unmanned flights 6 and 7 for an FY 70 determination, adds another manned vehicle, but includes completion of Phase IB for the unmanned configuration in FY 69 at an FY 69 NOA of \$530M.
- d. The realigned program with an FY 69 NOA of \$500M.

The latter two alternatives were examined in some detail from the viewpoint of FY 69 and 70 cost impacts and effects on the contractor manpower loadings.

Charts used in this presentation are on file with the Program and Policies Division (SAFSLP).

No specific guidance was given on the FY 69/FY 70 funding levels; however, it was understood that the Systems Office needed direction before the end of the month.

(Program Office action)

[REDACTED]

[REDACTED]

[REDACTED] The results of the study work to date done by the Systems Office were described.

Major system changes required to institute this additional capability in MOL are ground and flight vehicle software changes and additional simulation. Total estimated cost is approximately \$1.8M. Systems Office expressed their desire to proceed with this work at an early date in order to

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Page 2 of 5 pages
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incorporate the software changes into the software program on a timely basis rather than attempt the work as a later modification.

Dr. Flax approved continuing the work at the study/definition level not to exceed \$100K. He requested a specific proposal for any work beyond the study level describing the work to be accomplished, the schedules and the estimated cost. Further, he requested, at an early date, a brief summary (10 Pages or so) describing the operational concept and the expected usefulness of this capability in order to circulate the proposal in the R&D and intelligence communities for their reactions.

(Systems Office/Program Office action)

Dr. Flax instructed the Systems Office not to issue an RFP for this work for a few months until the ground work had been laid, the requirement for the capability validated, and he had approved the plan. In view of the expected schedule stretch-out, delaying the RFP should not impact adversely on the proposal.

The Systems Office also indicated that additional clearances would be required for ADC people in order to establish and work out operational interfaces. The needs for these additional clearances will require more specific and more thorough justification.

Discussion Items

Fuel Cells. In response to General Stewart's question on the status of the fuel cell study at Douglas, General Bleymaier indicated that DAC had not completed their effort; however, it was his opinion that changing the fuel cell from the present Davis-Bacon to the capillary matrix approach looks very attractive, particularly with the forthcoming schedule slip. General Bleymaier said that he expected to have a proposal in the near future.

Dr. Yarymovych asked if, in addition to fuel cell, were there any other subsystems which General Bleymaier

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Page 3 of 5 pages
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felt should be changed. The latter indicated he had asked Douglas the same question, and their and his response was negative.

Image Velocity Sensor (IVS). A discussion took place concerning ITEK's efforts on the IVS. This discussion is summarized as follows. GE has reduced the ITEK funding to essentially a level appropriate to the termination and wrap-up of the ITEK work. ITEK had indicated that for approximately \$300K they could complete a new brassboard (rather than the specified engineering model) by late this calendar year which would correct certain deficiencies in their original version. Dr. Flax expressed the opinion that, because the IVS is such a critical component and because of the uncertainties we have concerning the work of the other contractors, it would be worthwhile to support the ITEK work as a backup. General Bleymaier was advised to determine the ITEK cost to deliver a new brassboard, to insure minimum GE cost in conjunction with the ITEK effort, and if the brassboard could be procured at approximately the \$300K estimate, to proceed with the work.

(Systems Office action)

Dr. Flax also indicated that he would like to see General Ferguson's independent group assess the IVS problem at an early date.

(Program Office action)

Summary of Action Items

1. Early guidance to Systems Office on program content and FY 69/70 funding.

(Program Office)

2. A ten page summary to Dr. Flax on the [REDACTED] potential and vehicle ramifications.

(Program/Systems Offices)

3. Work/cost proposal to Dr. Flax to proceed on incorporation of the [REDACTED] capability in MOL.

(Systems Office)

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Page 4 of 5 pages
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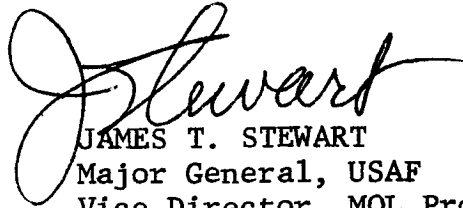
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4. Verification of ITEK's ability to deliver a brass-board IVS by late this calendar year for approximately \$300K, and instruction to ITEK to proceed on that basis.
(Systems Office)

5. Assemble the Ad Hoc IVS Technical Review Group and schedule their review of the IVS situation at a reasonably early date.

(Program Office)


JAMES T. STEWART
Major General, USAF
Vice Director, MOL Program

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Page 5 of 5 pages
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