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10 June 1966

MEMORANDUM TO HEADQUARTERS

TO: [REDACTED]

FROM: [REDACTED]

SUBJECT: PROGRAM MANAGERS MEETING OF 8 JUNE

1. The Corona Payload Program Managers Meeting convened at 0915 on 8 June. In attendance were Messrs. [REDACTED] and Madden from [REDACTED], from [REDACTED] and [REDACTED] from [REDACTED] Contractor, and [REDACTED] and [REDACTED] (part-time) from the Resident Office, and Webb from [REDACTED].

2. [REDACTED] outlined the happenings in the Program since our last Program Managers Meetings. These items were:

- a. The status of the agreement of the management agreement to be signed by Dr. Flax. It was stated that to date, although we were proceeding as though the agreement had been signed, no official approval has been given by the DNRO.
- b. The status of the Work Statements of [REDACTED] and [REDACTED] Contractor for the J-3 Program. The Resident Office has in hand the preliminary copy of the Work Statements from each of the Contractors. [REDACTED] Contractor has been given a copy of the Work Statement of [REDACTED] and [REDACTED] was given a copy of the Work Statement of [REDACTED]. [REDACTED] was given a copy of the Work Statement of [REDACTED]. Remaining to be completed was the provision of a copy of [REDACTED] Work Statement to [REDACTED] and [REDACTED]. This should be completed about 15 June 1966. [REDACTED] indicated that he desired all Contractors to review each others' Work Statements to insure that there were no duplicatory work and that the work being done by each of the associates was clear in the other associates mind.
- c. [REDACTED] indicated that the budget for 1966 was tight and that we should do all within our possibilities to keep our money requirements to the minimum necessary to support the essentials of the Corona Program.
- d. A/P's responsibilities in Payload Integration and Payload Engineering were defined for the benefit of all the associates.

Declassified and Released by the NRO The status of Perting each of the associate Contractors efforts

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was reviewed. The status is that [redacted] is already submitting PERT reports, [redacted] has submitted their preliminary PERT network, and [redacted] Contractor is developing their Integrated PERT network. A PERT Integration Meeting was set up on 28 June to insure that an Integrated PERT network will be available to the Resident Office as soon as possible.

- f. The status of monthly financial reports was reviewed. Essentially this status is that [redacted] is providing monthly status reports on all of their contracts. [redacted] is also doing it for the J-3 contract and [redacted] Contractor is in the process of submitting financial reports for their J-1 and J-3 contracts.
- g. A preliminary agenda for the PIM Meeting in July was developed. This agenda includes the following items:
  1. The status of the color film tests.
  2. The status of the silicon light pulser titling.
  3. NPIC special photographic requirements.
  4. Corona software support requirements.
  5. Status of the attitude determination system.

It was agreed by the group that the Design Review of the J-3 Camera and the PIM Meeting should be conducted about the same time at [redacted]. Therefore, it is tentatively planned to hold the Design Review of the J-3 Camera on 27 July and the PIM Meeting on 28 July. In this way the using community would be able to have representatives attend both meetings.

- h. At the conclusion of the meeting it was determined that the next Program Managers Meeting would be held at A/P on 12 July.

3. [redacted] reviewed the status of the integration effort and the specifications, Design Reviews, and the Interface Meetings. A copy of the charts used by [redacted] are included as a part of this report. Additional information not shown on the charts is as follows:

- a. The yaw programmer will be available and installed on all Payloads, J-34 and above.
- b. The ultra sonic splices tests were continued at [redacted] in a series of tests. Three splices failed. It was determined that more tests were needed before this method would be called out for the Corona Program.
- c. It was also decided that the stereo time delay (the mono overlap) feature now being used in the J-1 Program would not be used for the J-3 Program because of the great additional

amount of roll rate imparted to the vehicle if the cameras were started at different times. There was a difference of about 1200 degrees per hour versus 80 degrees per hour with and without the mono overlap respectively.

4. [redacted] then presented the J-1 Program. A copy of the Program Management report is attached to this memorandum. The major problem discussed by [redacted] was the calibration attendant to the PG Program. It was determined by the group that the PG Program would provide valuable information for the J-3 Program and that we should know by PG-5 whether the present problems with PG can be overcome. These problems mainly relate to the repeatability of data. At present the J-1 Program is giving data repeatable to 100 microns accuracy. The PG-2 is producing data repeatable to about 50 microns accuracy and it is believed that the goal of 12 microns accuracy can be achieved. In any event it will be known or failing definite knowledge a decision should be reached by the time PG-5 is calibrated whether the PG concept should be continued for the J-1 Program. It was fairly obvious to the group that the J-3 Camera should have the PG feature and that many of the problems uncovered in J-1 would not be present in the J-3 instrument because J-3 would be more structurally stable and less liable to thermal deviations.

5. F. Madden then presented the J-3 Camera Development Program. It was shown that the delivery schedule (15 December 1966) for the first CR instrument (for CR-2) was on schedule, and that the CR-1 target date of 30 December would be capable of being met as well as CR-2 on 27 January and CR-3 on 17 February. The drawing status for [redacted] J-3 is that out of a total of approx. 1470 drawings, 1115 have been completed, 240 are in detailing and checking, and about 115 remain to be done.

From a camera system weight basis it appears as though the camera weights have not changed from the previous report i.e. a total empty weight of approx. 440 lbs. (600 lbs including film.) Additional problem areas discussed by Madden included the drum assembly flanges and the supply spool flanges which are both made of honeycomb material. One of the basis problems here is ascertaining that the honeycomb material can be given the proper quality assurance. Another problem was to insure that the lens cell castings were being provided in a timely fashion to meet schedules. All in all, Madden indicated that he has no problems at this time which will prevent meeting the schedule delivery dates of the CR instruments.

6. J. Baker of [redacted] next presented his overall J-1 and J-3 Program. A copy of [redacted] J-3 Design and Development and Production schedule is attached. In addition to items contained on this schedule, [redacted] indicated the following:

- a. [redacted] has conducted no actual drop tests of the reefing line and bag line cutters. These will be layed on by the Resident Office thru the Air Force.
- b. [redacted] will provide the ACE for the [redacted] Integration

Tests and will modify their AGE for the check out of SRV's at [REDACTED]. Two sets will be required at [REDACTED]. The ROM costs of these are now being exercised at Barge and should be available within the next week.

- c. [REDACTED] has not made recommendation regarding whether the LEC 61 connector for the IFD will be bought for their Program or whether they will recommend the use of a GE developed 61 pin lanyard pull connector.
- d. [REDACTED] presented his first cut of a PERT network to [REDACTED] for review.

7. At this point in time, I see nothing major to prevent meeting first flight of J-3 in July 1967. We have a major problem with repeatability of PG data for the J-1 Program. However, PG-2 data is about 100% better than PG-1 in this respect and further improvement is expected thru PG-5. I recommend a drastic action be taken until additional effort has been applied.

cc: [REDACTED]