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LUMINARY Memo

TO: Distribution
FROM: George W. Cherry
DATE: 4 November 1968
SUBJECT: Priority of Tasks in Preparation for the
LUMINARY FACI Review

In our final few working days before the LUMINARY FACI review, there are certain tasks which it is necessary to finish and others which it is very desirable to finish. You may not be able to finish all tasks before 12 November 1968, and so I would like to give you some guidelines for allocating your time. The hierarchy of priorities given below were agreed to between MSC and MIT/IL management (which of course included Dan Lickly).

You will find that the 2nd item in the list below is the review and confirmation of the information about the downlink/uplink programs and parameters given in Section 2 (Rev. 1) of the LUMINARY GSOP. It is difficult to overstress the importance of this information. The Real Time Control Center (RTCC) programs at MSC, the Automatic Checkout Equipment (ACE) at Cape Kennedy, and other data processors and displays of data link information are using Rev. 1 of Section 2 as a programming specification. If Rev. 1 is wrong, their programs will be wrong. If they never find out about the error, an incorrect decision could be made on the ground, if they find out very late, their program repair cycle time could slip the flight.

Revision 1 of Section 2 is also being used by the flight controllers to plan contours of acceptability and decision criteria for the flight. Until we give Rev. 2 of Section 2 to MSC this current revision of Section 2 will have to suffice for the flight controller's planning. Revision 2

information will help the flight controller's by elaborating the descriptions of the downlink parameters and describing parameter register time-sharing (where it exists). If a downlink parameter register gets clobbered at some point, the flight controller must know this so that he doesn't think the parameter has made some unacceptable change. While Rev. 2 is very important, we must put the validation of Rev. 1 first.

Priority of Tasks

1. All level IV tests run and rough documentation complete
 - a) Of course, all approved PCR's should be included for the final runs.
 - b) Of course, all known discrepancies and anomalies should be repaired for the final runs.
- 2) Review Section 2, Rev. 1, for accuracy in description of parameters, position on list, scaling of parameter, etc.
- 3) Re-run level 3 tests on the latest assembly
- 4) Review GSOP Section 4, Revision 1, as requested
- 5) Provide inputs for elaboration of Section 2 (Rev. 2)

Distribution

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L. Berman*	D. Millard	E. Copps
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B. Covelli*	P. Rye	N. Sears
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* With Section 2, Rev. 1, enclosure

ATTENTION:

Please review GSOP Section 2, Rev. 1, for the correctness of description, scaling, etc. of the parameters written on the attached sheet which bears your name. If you find a discrepancy please call Bob Tinkham (x 179) and help him to prepare a PCR which would correct Section 2, Rev. 1.

George W. Cherry
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Peter Adler

VGTIGs

TIG

TGO