

IT/DL PROGRAM CHANGE ROUTING SLIP

PCR/PCN # S2022

ANOMALY # \_\_\_\_\_

ADR # \_\_\_\_\_

- COLOSSUS 3
- COLOSSUS \_\_\_\_\_
- SKYLARK \_\_\_\_\_
- LUMINARY 1E
- LUMINARY \_\_\_\_\_

- MIT Approved PCN
- MIT Approved ADR
- NASA Approved PCR
- NASA Approved PCN
- NASA Approved Software Anomaly
- MIT Approved Software Anomaly

A. Coding

Begin coding immediately

ACTION: Nancy Neville  
Tom Boden

Program Supervisor's Approval: Margaret Hamilton

Do not code until new GSOP material has been approved by the MIT Mission Design Review Board (MDRB) and distributed.

B. GSOP Preparation

Prepare GSOP revisions for MDRB consideration

J. KLAWNSKI/E. OLSSON

ACTION: \_\_\_\_\_

Technical Committee Meeting not required.

Technical Committee Meeting(s) held on \_\_\_\_\_  
Attendees: \_\_\_\_\_

C. KSC Testing and Checkout

Review for possible impact on KSC testing and checkout

ACTION: \_\_\_\_\_

D. Other Programs Affected

Review for corresponding changes in \_\_\_\_\_

ACTION: \_\_\_\_\_

Special Instructions

Project Manager Stephen T. ...

Date 1/28/77

APOLLO SPACECRAFT SOFTWARE CONFIGURATION CONTROL BOARD  
PROGRAM CHANGE REQUEST

NUMBER (Completed by FSB)

51022

1.0 COMPLETED BY ORIGINATOR

1.1 ORIGINATOR B. F. Cockrell	DATE 2/26/70	1.2 ORGANIZATION MPAD/MPB	APPROVAL R.O. Wolke	DATE 3/2/70
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1.3 EFFECTIVITY AAP CMC Program	1.4 TITLE OF CHANGE Lock out moon midcourse perturbations
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1.5 REASON(S) FOR CHANGE The gravity perturbations of the moon are currently included for altitudes above 432 n.mi. (800,000 m) from the earth. Large state vector errors could force CMC to request perturbations it could not compute.

1.6 DESCRIPTION OF CHANGE  
Change  $R_{ME}$  from 7,178,165 meters to pos max in fixed memory.

2.0 SOFTWARE CONTROL BOARD OR FLIGHT SOFTWARE BRANCH  
DECISION FOR VISIBILITY IMPACT ESTIMATE BY MIT

2.1 <input type="checkbox"/> APPROVED <input type="checkbox"/> DISAPPROVED	2.2 REMARKS:
2.3 SOFTWARE CONTROL BOARD OR FLIGHT SOFTWARE BRANCH SIGN OFF	
DATE	

3.0 MIT VISIBILITY IMPACT EVALUATION:

3.1 SCHEDULE IMPACT	3.2 IMPACT OF PROVIDING DETAILED EVALUATION
3.3 STORAGE IMPACT	3.4 REMARKS:
3.5 MIT COORDINATOR	
DATE	

4.0 SOFTWARE CONTROL BOARD ACTION

4.1 <input checked="" type="checkbox"/> IMPLEMENT AND PROVIDE DETAILED CHANGE EVAL. <input type="checkbox"/> PROVIDE DETAILED CHANGE EVALUATION <input type="checkbox"/> DIS-APPROVED	4.2 REMARKS
4.3 SOFTWARE CONTROL BOARD SIGN OFF	
DATE 3/4/70	

5.0 MIT DETAILED PROGRAM CHANGE EVALUATION

5.1 MIT COORDINATOR	5.2 MIT EVALUATION
DATE	

6.0 SOFTWARE CONTROL BOARD DECISION ON MIT  
DETAILED PROGRAM CHANGE EVALUATION

6.1 <input type="checkbox"/> START OR CONTINUE IMPLEMENTATION <input type="checkbox"/> DISAPPROVED OR STOP IMPLEMENTATION	6.2 REMARKS:
6.3 SOFTWARE CONTROL BOARD SIGN OFF	
DATE	