

MIT/IL PROGRAM CHANGE ROUTING SLIP

PCR/PCN # \_\_\_\_\_

ANOMALY # LPY 88

- COLOSSUS 1A
- COLOSSUS 2
- COLOSSUS 2A
- COLOSSUS

- LUMINARY 1
- LUMINARY 1A
- LUMINARY 1B

MIT Approved PCN

NASA Approved PCR

NASA Approved Software Anomaly

NASA Approved PCN

MIT Approved Software Anomaly

A. Coding

Begin coding immediately

ACTION: Dave Moore

Program Supervisor: Margaret H. 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

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: George W. Cherry

Date: 7-15-69



# MIT/IL SOFTWARE ANOMALY REPORT

1.1 ORIGINATOR: R. COVELLI		1.2 ORGANIZATION: MIT/IL		1.3 DATE: 7/10/69		1.4 ORIGINATOR CONTROL NO.		MIT REPORT NO. LNY 88		
						PROGRAM LUMINARY		PROGRAM REVISION 99		
1.5 DESCRIPTION OF ANOMALY:  A hardware restart while R12 is repositioning the landing radar antenna will prevent the antenna from achieving position 2, and will cause 511 alarms every 2 seconds in P64. A software restart in the same interval will not prevent the antenna from achieving position 2, but use of the radar will be inhibited.										
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1.6 DESCRIPTION OF RUN:  Restart testing at Grumman.										
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- MIT ANALYSIS -										
2.1 CAUSE:  Landing radar repositioning routine is not restart protected.										
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2.2 RECOGNITION: If hardware restart shortly after P64, 511 alarms will appear. If caused by software restart, the only recognition is that NOLRREAD flag is set, even though antenna is in position 2.										
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2.3 MISSION EFFECT:  Landing radar data will not be used from P64 on.										
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2.4 AVOIDANCE PROCEDURE:  None.										
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2.5 RECOVERY PROCEDURE: Move LR position switch to hover, then set RPCRTIME to POSMAX and reset NOLRREAD flag and PSTHIGAT flag!...										
CONTINUED ON PAGE 2										
2.6 PROGRAM CORRECTION:  Set up restart group for HIGATJOB.										
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2.7 RECOMMENDED DISPOSITION (Fix, Work-around, etc):  Fix in LUMINARY 1B.										
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2.8 RECOMMENDED RE-TESTING:  Restart run.										
CONTINUED ON PAGE						2.9 MIT/IL SIGNATURE: <i>George W. Cherrin</i>		2.10 DATE: 7-15-69		
3.1 NASA DIRECTION:						4.1 CLOSING ACTION TAKEN:  /				
CONTINUED ON PAGE						CONTINUED ON PAGE				
3.2 NASA/MSC SIGNATURE:		3.3 ORGANIZATION		3.4 DATE:		4.2 SIGNATURE:		4.3 ORGANIZATION:		4.4 DATE:

# MIT/IL SOFTWARE ANOMALY REPORT

1 ORIGINATOR: R. COVELLI	1.2 ORGANIZATION: MIT/IL	1.3 DATE: 7/10/69	1.4 ORIGINATOR CONTROL NO.
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MSC REPORT NO. LNY 88
PROGRAM LUMINARY
PROGRAM REVISION 99

## 2.5 Recovery Procedure:

V21N1E 3427E 37777E

V25N7E 107E 3000E OE