A. Coding

Begin coding immediately

ACTION: Dave Moore

Program Supervisor: Margaret [Signature]

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: [Signature]

Date: 7-15-69
A hardware restart while R12 is repositioning the landing radar antenna will prevent the antenna from achieving position 2, and will cause 51L 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.

**MIT ANALYSIS**

2.1 **CAUSE:**
Landing radar repositioning routine is not restart protected.

2.2 **RECOGNITION:** If hardware restart shortly after P64, 51L alarms will appear. If caused by software restart, the only recognition is that NOLRREAD flag is set, even though antenna is in position 2.

2.3 **MISSION EFFECT:**
Landing radar data will not be used from P64 on.

2.4 **AVOIDANCE PROCEDURE:**
None.

2.5 **RECOVERY PROCEDURE:**
Move LR position switch to hover, then set RPCRTIME to POSMAX and reset NOLRREAD flag and PSTHIGAT flag.

2.6 **PROGRAM CORRECTION:**
Set up restart group for HIGATJOB.

2.7 **RECOMMENDED DISPOSITION** (Fix, Work-around, etc.):
Fix in LUMINARY 1B.

2.8 **RECOMMENDED RE-TESTING:**
Restart run.

3.1 **NASA DIRECTION:**

4.1 **CLOSING ACTION TAKEN:**

MSC Form 1409 (Rev May 68)
2.5 Recovery Procedure:

V21N1E 3427E 37777E
V25N7E 107E 3000E 0E