| APOLLO SPACECRAFT SOFTWARE CONFIGURATION CONTROL ROARD NUMBER (Completed by FSB) PROGRAM CHANGE REQUEST NOT - 1 TO THE PROGRAM CHANGE REQUEST NOT | | | | | |
|---|--|--|-------------------------------|--|--|
| 1.0 COMPLETED BY ORIGINATOR | | | | | |
| 1.1 ORIGINATOR | DATE | 1.2 ORGANIZAT | TION | APPROVAL | DATE |
| D. EYLES | 3/5/69 | MIT/I | L | J W Cherry OF CHANGE | 3/10/69 |
| LUMINARY 1A | | | Make 1406 Alarm non-abortive. | | |
| 1.5 REASON(S) FOR CHANGE | | | | | |
| Undesirability of POODOO abort during landing. | | | | | |
| 1.6 DESCRIPTION OF CHANGE | | | | | |
| Make 1406 Alarm non-abortive: ALARM, not POODOO. | | | | | |
| 2.0 SOFTWARE CONTROL BOARD OR FLIGHT SOFTWARE BRANCH DECISION FOR VISIBILITY IMPACT ESTIMATE BY MIT | | | | | |
| 2.1 APPROVED DISAPPROVED 2.2 REMARKS: | | | | | |
| 2.3 SOFTWARE CONTROL BOARD (BRANCH SIGN OFF | R FLIGHT SOFTWAR | errenauserdungse E | 1 | | |
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| 3.0 MIT VISIBILITY IMPACT EVALUATION: | | | | | |
| 3.1 SCHEDULE IMPACT 3.2 IMPACT OF PROVIDING DETAILED EVALUATION | | | | | |
| 3.3 STORAGE IMPACT | · · · · · · · · · · · · · · · · · · · | 3.4 REN | A D V C . | BOTEMEN WEST ON KLEINE COULDEST TO WORK OF PRESIDENCES THOU AREA, CONTAIN A BROWN OF THE | ns Simen one substantial demonstration of contract, in rock associated desirated course following |
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| DATE | res con fu operani namicroni resis voci voci voci vivi vivi vivi vivi vivi | e on a reconstruite | | | April and a second |
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| 4.0 SOFTWARE CONTROL BOARD ACTION | | | | | |
| PROVIDE DETAILED DET | VIDE ALLED DIS- | | MARKS | microsporans. Em mercia spiritula spiritus pipatimas (pelliti i savatopi a microsporans pipatimas et ano | end benedien zum Ausmit werd. Freiernung weit der gestellte geschen freie der eine die ubben eine der der der |
| CHANGE EVAL. CHA | LUATION | ROVED | | , | in the second se |
| 4.3 SOFTWARE CONTROL BOARD S | IGN OFF | | 20 | | |
| от при | er er de novembroto. En novembro de transcentra especial de la composition della com | newspring and the | | | - 43 |
| | | | | | |
| 5.0 MIT DETAILED PROGRAM CHANGE EVALUATION | | | | | |
| 5.1 MIT COORDINATOR | | 5.2 MIT | EVALUATION | N | A Company of the Comp |
| постоя постоя на постоя постоя на п | number-se errorum in in uner-september errord orde en den gevin espekte rekent. | Print, State Pick By John Pick | | | 10 Til. (c) 4 de 10 de 1 |
| 6.0 SOFTWARE CONTROL BOARD DECISION ON MIT DETAILED PROGRAM CHANGE EVALUATION | | | | | |
| START OR CONTINUE | DISAPPROVED OR ST | OP 6.2 REM | ARKS; | | Manufacture and the second |
| 3.3 SOFTWARE CONTROL BOARD S | NAME OF THE PROPERTY OF THE PR | ween story as to the | | | iliti di |
| DATE | an european en an accumpante en en chastana la runta felian de european en en accumpante de european en en acc | REMONACIONAL USE VIZ | | | TATION OF THE PARTY OF THE PART |
| MSC Form 288 (Jul 68) TP#21812 | | | | | |

Massachusetts Institute of Technology Instrumentation Laboratory Cambridge, Massachusetts

ATT: XN 751

LUMINARY Memo #68

TO:

Distribution

FROM:

George W. Cherry

DATE:

February 20, 1969

SUBJECT:

Lunar Landing Guidance Equations Program Alarms

In the present LUMINARY 1A, TGO computations which fail to converge cause the program to flash V37 and the astronaut cannot select P66 (Alarm 1406). If the astronaut is exercising his new ATT HOLD option (PCR 737) in P63, P64, P65 and allows a very large attitude error to develop, the TGO computations may fail to converge. We do not want Alarm 1406 or any other alarm of this nature which might be caused by large attitude errors to toss the crew irrevocably out of the landing programs. We also do not want any landing guidance equations unhappiness to do anything except turn on a program alarm. No POODOOs!

Action: Don Eyles, Allan Klumpp, please scrutinize
the equations performance with large attitude
error and implement the above philosophy.
Alarm 1406 should not do a POODOO, certainly
at least not in ATT HOLD mode.