

APOLLO SPACECRAFT SOFTWARE CONFIGURATION CONTROL BOARD PROGRAM CHANGE REQUEST				NUMBER (Completed by FSB) 886	
1.0 COMPLETED BY ORIGINATOR					
1.1 ORIGINATOR Eyles/Adler/Cherry		DATE 8-15-69	1.2 ORGANIZATION MIT		APPROVAL <i>[Signature]</i>
				DATE 8/18/69	
1.3 EFFECTIVITY LUMINARY 2			1.4 TITLE OF CHANGE Variable Guidance Period		
1.5 REASON(S) FOR CHANGE To allow faster display rates during P47, during the trim periods of P40, P41, and P42, and during the final landing programs P65, P66, and P67. To allow faster reaction to astronaut inputs during P66.....					
1.6 DESCRIPTION OF CHANGE Modify servicer to permit a variable guidance period. Period would be shorter in the cases mentioned above; longer in case execution time difficulties are ever encountered in programs now running on a 2 second period.....					
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 PROVIDING DETAILED EVALUATION		
3.3 STORAGE IMPACT			3.4 REMARKS:		
3.5 MIT COORDINATOR					
DATE					
4.0 SOFTWARE CONTROL BOARD ACTION					
4.1 <input 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					
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					

APOLLO SPACECRAFT SOFTWARE CONFIGURATION CONTROL BOARD
-DATA AMPLIFICATION SHEET -

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PROGRAM CHANGE REQUEST NO. <u>R650 rev 1</u> ⁸⁸⁶	PREPARED BY: <u>George W. Cherry</u> DATE: <u>8-15-69</u>	ORGANIZATION: MIT/IL
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CONTINUATION SECTION (REFER TO BLOCK NUMBER AND TITLE
ON PROGRAM CHANGE REQUEST FORM)

1.5 Reasons for Change

The crucial reason for this change is the allowance the PCR will make for an unanticipated TLOSS and for additional computations in SERVICER such as proposals for LR altitude data pre-filtering.

1.6 Description of Change

In effect, SERVICER will run as a self-perpetuating job which schedules READACCS and its next cycle after having completed its current cycle. This implementation prevents the 1201 and 1202 alarms which occurred during Apollo 11.

REMARKS

This PCR was previously submitted as PCR 650 on 11-26-68 and disapproved because of an intolerable schedule impact.

TP#21812