

HifiManCmd_CRC_FDIR_enable
 File: H_FCP_HIF_CCEN.xls
 Author: R. Biggins



Procedure Summary

Objectives

The objective of this procedure is to enable the LCU software CRC check

Based on procedure:
 HifiManCmd_CRC_FDIR_enable (v1)

Summary of Constraints

Spacecraft Configuration

Start of Procedure

End of Procedure

Reference File(s)

Input Command Sequences

Output Command Sequences
 HFHCEN

Referenced Displays

ANDs	GRDs	SLDs
ZAZ9C999		
HA147289		

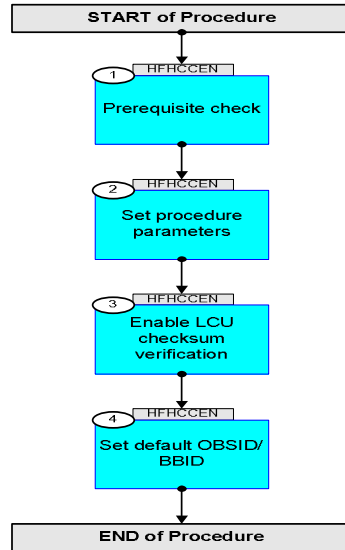
Configuration Control Information

DATE	FOP ISSUE	VERSION	MODIFICATION DESCRIPTION	AUTHOR	SPR REF
04/12/09	3	1	Created	R. Biggins	

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Procedure Flowchart Overview



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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
Beginning of Procedure				
<p><i>TC Seq. Name : HFHCEN (Enable CRC check)</i></p> <p><i>TimeTag Type: N</i> <i>Sub Schedule ID:</i></p> <p style="text-align: center;">□</p>				
1		<i>Prerequisite check</i>		Next Step: 2
1.1		<i>HSC/ICC input</i>		□
		Verify that the HSC/ICC has supplied a valid OBSID value: OBS_ID = 0xnnnn nnnn		
		Verify that the ICC has supplied valid values: STEPMSEC = 1000 <def> LCU_CRC = 14937 <def> STEP_SEC = 3600 <def>		
2		<i>Set procedure parameters</i>		Next Step: 3
	ET=+ UT=+00.00.00	HIFI_Set_OBS_ID HIFI_Set_OBS_ID <i>Command Parameter(s) :</i> HIFI_BB_ID HP001197 HIFI_OBS_ID HP000197 <i>TC Control Flags :</i> GBM IL DSE --Y -- -- <i>Subsch. ID : 70</i> <i>Det. descr. : Set Observation-ID and Building-Block-ID</i>	HC014289 1EF20001 <hex> OBS_ID	
		Verify Telemetry BB_ID_per_hk HM004190	= 1EF20001 <hex>	AND=ZAZ9C999
		Verify Telemetry OBS_ID_per_hk HM003190	OBS_ID	AND=ZAZ9C999
3		<i>Enable LCU checksum verification</i>		Next Step: 4
		Verify Telemetry HI_au_LCU_mem_S HM123190	= OFF	AND=HA147289

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+ UT=+00.00.00	Execute Telecommand HIFI_LCU_mem_check_on Command Parameter(s) : HIFI_BB_ID HP001197 HIF_step_time_ms HP079197 HIF_check_crc HP233197 HIF_step_time_s HP462197 TC Control Flags : GBM IL DSE --Y -- --- Subsch. ID : 0 Det. descr. : Enables autonomous function to check LCU checksum	HC205289 0F130001 <hex> STEPMSEC LCU_CRC STEP_SEC	
		Verify Telemetry HI_au_LCU_mem_S HM123190	= ON	AND=HA147289
4		Set default OBSID/BBID		Next Step: END
	ET=+ UT=+00.00.00	HIFI_Set_OBS_ID HIFI_Set_OBS_ID Command Parameter(s) : HIFI_BB_ID HP001197 HIFI_OBS_ID HP000197 TC Control Flags : GBM IL DSE --Y -- --- Subsch. ID : 70 Det. descr. : Set Observation-ID and Building-Block-ID	HC014289 0 <hex> (Def) 0 <hex> (Def)	
		Verify Telemetry BB_ID_per_hk HM004190	= 0 <hex>	AND=ZAZ9C999
		Verify Telemetry OBS_ID_per_hk HM003190	= 0 <hex>	AND=ZAZ9C999
End of Procedure				