

HifiManCmd\_Standby0\_FDIR\_enable  
 File: H\_FCP\_HIF\_S0EN.xls  
 Author: R. Biggins



## Procedure Summary

### Objectives

The objective of this procedure is to enable the on-board software autonomous functions (watchdog) in Standby0 mode

Based on procedure:  
 HifiManCmd\_Standby0\_FDIR\_enable (v3)

### Summary of Constraints

### Spacecraft Configuration

**Start of Procedure**

HIFI is in Standby0 mode  
 - autonomous functions disabled

**End of Procedure**

HIFI is in Standby0 mode  
 - autonomous functions enabled

### Reference File(s)

**Input Command Sequences**

**Output Command Sequences**

HFHS0EN

### Referenced Displays

<b>ANDs</b>	<b>GRDs</b>	<b>SLDs</b>
ZAZ9C999		
HA147289		

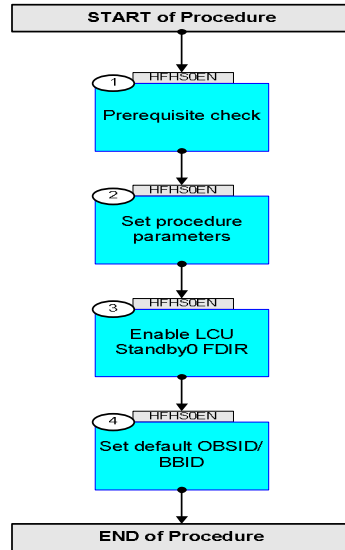
### Configuration Control Information

DATE	FOP ISSUE	VERSION	MODIFICATION DESCRIPTION	AUTHOR	SPR REF
04/12/09		1	Created	R. Biggins	
10/12/09	3	1.01	Validation : Step 3 name updated	R. Biggins	

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## Procedure Flowchart Overview



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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
<b>Beginning of Procedure</b>				
TC Seq. Name : HFHSOEN (Enable LCU watchdog)  TimeTag Type: N Sub Schedule ID:  <input type="checkbox"/>				
1		Prerequisite check		Next Step: 2
1.1		HSC/ICC input		<input type="checkbox"/>
		Verify that the HSC/ICC has supplied a valid OBSID value:  OBS_ID = 0xnnnn nnnn		
		Verify that the ICC has supplied valid values:  NBREACH = 1 <def>		
1.2		Verify: HIFI mode		<input type="checkbox"/>
		Verify Telemetry  HL_MODE_S                    HM258194	= standby0	AND=ZAZ9C999
2		Set procedure parameters		Next Step: 3
	ET=+ UT=+00.00.00	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	
		Verify Telemetry  BB_ID_per_hk            HM004190	= 0F0E0001 <hex>	AND=ZAZ9C999
		Verify Telemetry  OBS_ID_per_hk        HM003190	OBS_ID	AND=ZAZ9C999
3		Enable LCU Standby0 FDIR		Next Step: 4

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
		Verify Telemetry HI_au_LCUmode_S HM124190	= OFF	AND=HA147289
	ET=+ UT=+00.00.00	Execute Telecommand HIFI_LCUmode_check_on Command Parameter(s) : HIF_N_breach HP013197 TC Control Flags : GBM IL DSE --Y -- --- Subsch. ID : 0 Det. descr. : Enables autonomous function to check LCU standby0 mode	HC203289 NBREACH	
		Verify Telemetry HI_au_LCUmode_S HM124190	= 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
<b>End of Procedure</b>				