

Switch ON SPIRE
 File: H_CRP_SPI_ON.xls
 Author: R. Biggins



Procedure Summary

Objectives

The objective of this procedure is to switch on SPIRE after it has been switched off due to an on-board problem, triggering an OBCP.

Summary of Constraints

SPIRE has been off for at least 4 minutes

Spacecraft Configuration

Start of Procedure

SPIRE is OFF

End of Procedure

SPIRE is in REDY mode

Reference File(s)

Input Command Sequences

Output Command Sequences

Referenced Displays

ANDs GRDs SLDs
 ZAZ96999

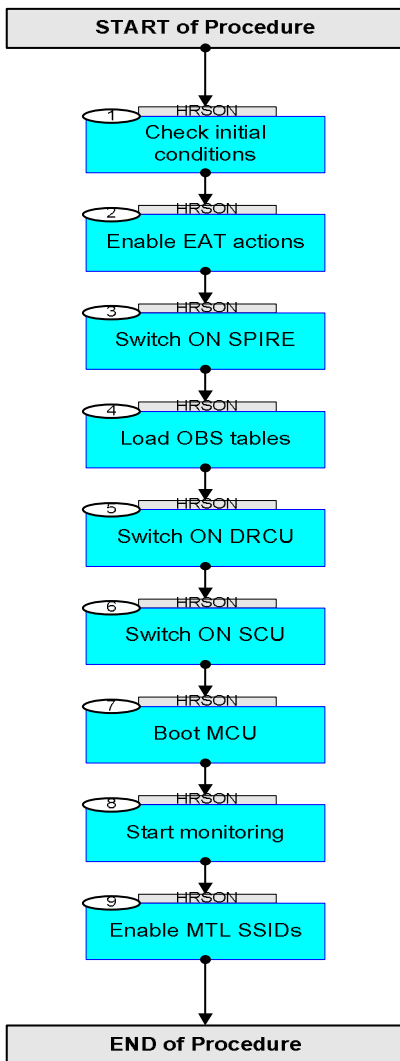
Configuration Control Information

DATE	FOP ISSUE	VERSION	MODIFICATION DESCRIPTION	AUTHOR	SPR REF
14/12/2010	3.1	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				
TC Seq. Name :HRSON (Switch ON SPIRE)				
TimeTag Type: Sub Schedule ID: □				
1		Check initial conditions		Next Step: 2
2		Enable EAT actions		Next Step: 3
		PROCEDURE: H_CRP_SPI_ENEA [HRSENEA]		
3		Switch ON SPIRE		Next Step: 4
		PROCEDURE: H_COP_SPI_NSON [HCSNSON]		
4		Load OBS tables		Next Step: 5
		The procedure to load the OBS tables requires VCl (low load) for a duration of about 10 minutes.		
		Verify Telemetry BSW_SDB_ActProf DEF5F160 = SPIRE Prime		AND=ZAZ96999
		PROCEDURE: - [HFD1013A]		
		PROCEDURE: H_COP_SPI_LTAB [HCSLTAB]		
		PROCEDURE: - [HFD1013B]		
5		Switch ON DRCU		Next Step: 6
		PROCEDURE: H_COP_SPI_MDRN [HCSMDRNP] [HCSMDRNB] FP: OBS_ID = 0x2999		

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
6		Switch ON SCU		Next Step: 7
		PROCEDURE: H_COP_SPI_MSCN [HCSMSCN] FP: OBS_ID = 0x2999		
7		Boot MCU		Next Step: 8
		NOTE: The following procedure generates science data [TM(21,4) packets], but it is not necessary to get this information via VC1 [RT science].		
		PROCEDURE: H_COP_SPI_MMCB [HCSMMCB] FP: OBS_ID = 0x2999		
8		Start monitoring		Next Step: 9
		PROCEDURE: H_CRP_SPI_MON [HRSMON]		
9		Enable MTL SSIDs		Next Step: END
		PROCEDURE: H_FCP_DHS_1018 [HFD1018]		
End of Procedure				