Mode Transistion SPIRE to REDY Mode
File: H_COP_SPI_CFT7.xls
Author: L.Lucas-hp

Procedure Summary

Objectives

The objective of this procedure is to stipulate which procedures
are required for the SPIRE CFT REDY mode.

Summary of Constraints

The saved stack files should have been generated prior to the
DTCP and sent to the HSC/ICC as defined in the procedure
H_GSP_MCS_MSTK.

1 OBS_ID value is required from the HSC.

Spacecraft Configuration

Start of Procedure

n/a

End of Procedure

n/a

Reference File(s)

Input Command Sequences

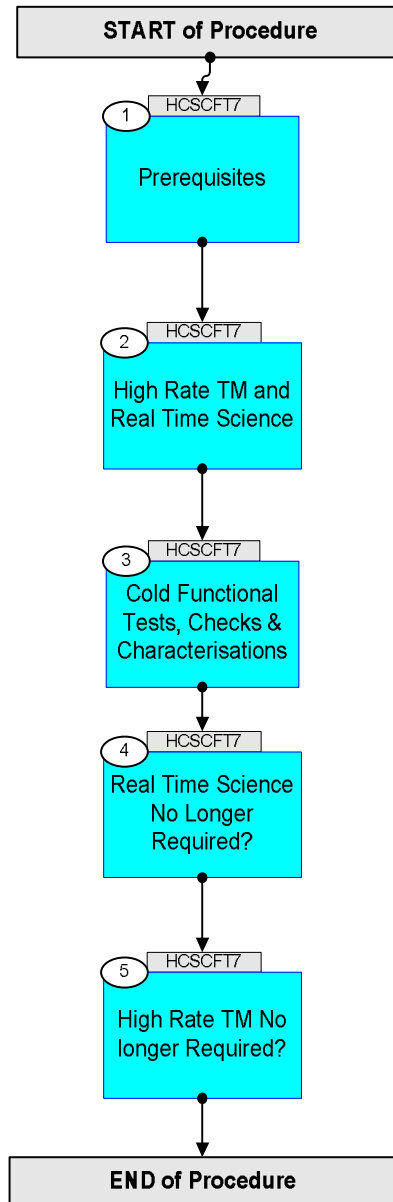**Output Command Sequences**

Referenced Displays

ANDs   GRDs   SLDs

Configuration Control Information

DATE	FOP ISSUE	VERSION	MODIFICATION DESCRIPTION	AUTHOR	SPR REF
27/02/09		1	Created	L.Lucas-hp	
27/02/09		1.01	Validation : Text Updates	L.Lucas-hp	
27/02/09	2.1	1.02	Validation : Text Updates	L.Lucas-hp	
21/04/09	2.3	2	Updted to include new Mode Transistion SPIRE to REDY mode procedure	L.Lucas-hp	

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Procedure Flowchart Overview

```
                    START of Procedure

            1    HCSCFT7

                    Prerequisites


            2    HCSCFT7

                 High Rate TM and
                 Real Time Science


            3    HCSCFT7

                 Cold Functional
                 Tests, Checks &
                 Characterisations


            4    HCSCFT7

                 Real Time Science
                   No Longer
                   Required?


            5    HCSCFT7

                 High Rate TM No
                 longer Required?


                    END of Procedure
```

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
		Beginning of Procedure		
		TC Seq. Name :HCSCFT7 (SPIRE to REDY) *TimeTag Type:* *Sub Schedule ID:*		
1		*Prerequisites*		Next Step: 2
		The following test consists of one activity. Each activity is represented by one saved stack file which should be generated prior to the DTCP. Each stack should allso be delivered to the HSC/ICC using the procedure defined in **H_GSP_MCS_MSTK**		
		NOTE: Naming Convention for saved stack file: **yyyymmdd_nnnn_H_SAVED_xxvv** yyyy = Year *[of expected uplink]* mm = Month *[of expected uplink]* dd = Day *[of expected uplink]* nnnn = OD *[of expected uplink]* xx = TSF number (defined in each activity) vv = version number		
		Note: The eight procedures defined below should be brought together into the TBC saved stack file prior to the DTCP: **yyyymmdd_nnnn_H_SAVED_xxvv** This file is then called up and executed on the manual stack during the DTCP.		
1.1		*Verify HSC/ICC Inputs*		
		Prerequisites, verify: **DPU s/w version/subversion** **SPU s/w version/subversion** FP: OBS_ID (quantity 1)		
2		*High Rate TM and Real Time Science*		Next Step: 3
		Note: Both high rate TM and Real Time Science are required for this test.		
2.1		*Verify High Rate TM is Available.*		

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
		High Rate TM is required.		
		If High Rate is not available, consult with SOM. Upon confirmation from SOM, run the following procedure to enable High Rate TM. PROCEDURE: **H_FCP_TTC_TUHR [HFTTUHR]**		
2.2		*Verify Real Time Science is Available.*		
		Real Time Science data is required. Check the NCTRS for VC1.		
		If VC1 is not available, consult with SOM. Upon confirmation from SOM, run the following procedure to enable RTS. PROCEDURE: **H_FCP_DHS_1013A [HFD1013A]**		
3		*Cold Functional Tests, Checks & Characterisations*		Next Step: 4
		Note: The eight procedures defined below should be brought together into the TBC saved stack file prior to the DTCP: **yyyymmdd_nnnn_H_SAVED_xxvv** This file is then called up and executed on the manual stack during the DTCP.		
3.1		*Activity procedures*		
		Run the following one, 1 SPIRE procedure.		
3.1.1		*SPIRE to REDY Mode*		
		PROCEDURE: **H_COP_SPI_REDX [HCSREDX]** FP: **OBS_ID**		
4		*Real Time Science No Longer Required?*		Next Step: 5
		Real Time Science data is no longer required for this test for SPIRE.		
4.1		*Verify Real Time Science is Still Required*		

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
		Verify if RTS is still required (generally). Consult with SOM. If it is still required, do nothing.		
		If REal Time Science is not still required. Upon confirmation from SOM, if RTS is no longer required generally and should be disabled, run the following procedure to disable RTS. PROCEDURE: **H_FCP_DHS_1013B [HFD1013B]**		
5		*High Rate TM No longer Required?*		Next Step: END
5.1		*Verify High Rate TM is Still Required.*		
		Verify if High Rate TM is still required (generally). Consult with SOM. If it is still required, do nothing.		
		If High Rate is not still required. Upon confirmation from SOM, run the following procedure to change from High Rate to Medium rate TM. PROCEDURE: **H_FCP_TTC_TUMR [HFTTUMR]**		

End of Procedure