Test of PACS FDIR functions
File: H_COP_PAC_FDIR.xls
Author: R. Biggins

Procedure Summary

Objectives

This is a high-level procedure covering the FDIR activity defined
in the Commissioning Plan.

The objective of this procedure is to execute a test of the
following PACS FDIR functions:
- Autonomous SAFE Mode transition
- Autonomous OFF transition (due to OOL)
- Autonomous OFF transition (due to HK loss)

Summary of Constraints

RT Science (VC1) is NOT required for this activity

The activity H_COP_PAC_SWON must have been completed

Spacecraft Configuration

Start of Procedure

PACS is ON and in SAFE Mode

End of Procedure

PACS is ON and in SAFE Mode

Reference File(s)

Input Command Sequences

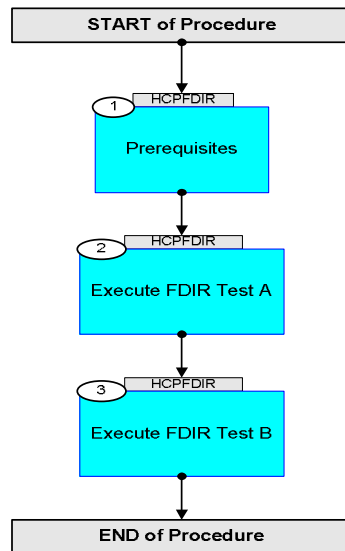**Output Command Sequences**

Referenced Displays

ANDs   GRDs   SLDs

Configuration Control Information

DATE	FOP ISSUE	VERSION	MODIFICATION DESCRIPTION	AUTHOR	SPR REF
18/11/08	2	1	Created	R. Biggins	
09/04/09	2.3	2	Update to to comments by P. Collins - Complete re-write	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 :HCPFDIR (PACS FDIR test) *TimeTag Type:* *Sub Schedule ID:*		
1		*Prerequisites*		Next Step: 2
		Verify: The activity H_COP_PAC_SWON has been completed		
1.1		*Verify HSC/ICC inputs*		
		Verify: The following inputs have been supplied by the HSC/ICC		

		FP: **OBS_ID** (3 required)
		          DPU_PRTN [= 1]
		
		 Information: DPU Software Version/Subversion number
		          SPU Software Version/Subversion number
		          DMC Software Version/Subversion number		

2		*Execute FDIR Test A*		Next Step: 3
		Execute the following procedures in the defined order. *Duration ~10 minutes*		
		PROCEDURE: **H_COP_PAC_A001** **[HCPA001]** FP: OBS_ID		
		PROCEDURE: **H_COP_PAC_A002** **[HCPA002]** FP: OBS_ID		
3		*Execute FDIR Test B*		Next Step: END
		Execute the following procedures in the defined order. *Duration ~85 minutes*		

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch

		PROCEDURE: **H_FCP_PAC_NSON** [HFPNSON]
		
		FP: DPU_PRTN [= 1]
		
		Information: DPU Software Version/Subversion number
		            SPU Software Version/Subversion number
		            DMC Software Version/Subversion number		

		PROCEDURE: **H_COP_PAC_A003** [HCPA003] FP: OBS_ID		

		PROCEDURE: **H_FCP_PAC_NSON** [HFPNSON]
		
		FP: DPU_PRTN [= 1]
		
		Information: DPU Software Version/Subversion number
		            SPU Software Version/Subversion number
		            DMC Software Version/Subversion number		

End of Procedure