

Re-Enabling of Payload Subschedules
 File: H_FCP_DHS_1039.xls
 Author: S. Manganelli



Procedure Summary

Objectives

To provide guidance for enabling the specific payload subschedules.

Summary of Constraints

MTL function must be running, no MTL uplink on-going when the reports are requested.

Spacecraft Configuration

Start of Procedure

HIFI or PACS or SPIRE subschedules are disabled

End of Procedure

One or more HIFI or PACS or SPIRE subschedules enabled

Reference File(s)

Input Command Sequences

Output Command Sequences

HFD1039X
 HFD1039H
 HFD1039P
 HFD1039S
 HFD1039Y

Referenced Displays

ANDs **GRDs** **SLDs**
 ZAZAI999

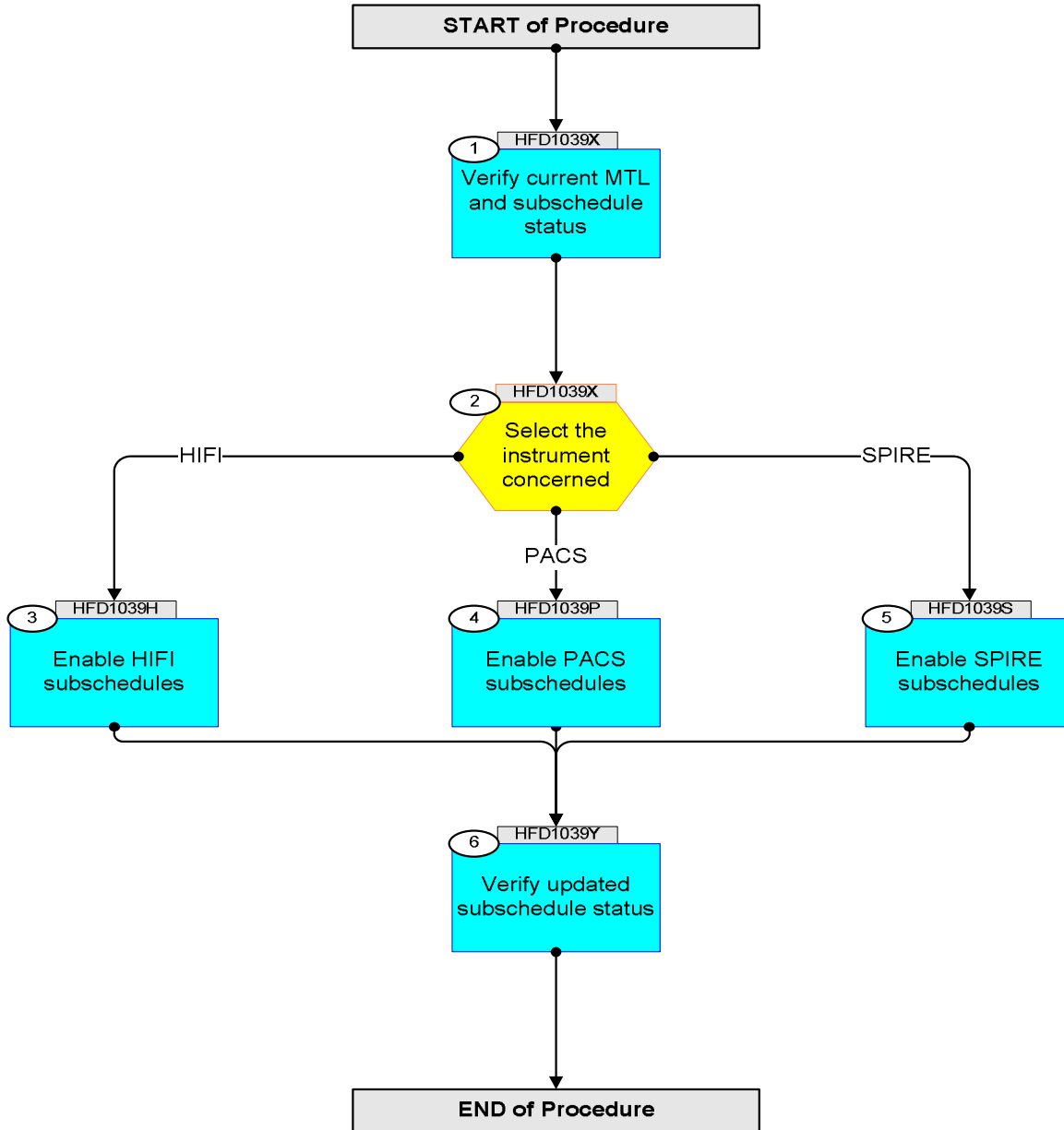
Configuration Control Information

DATE	FOP ISSUE	VERSION	MODIFICATION DESCRIPTION	AUTHOR	SPR REF
19/08/2010	3.1	1	Created	S. Manganelli	

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Procedure Flowchart Overview



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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch	AIT Comment
Beginning of Procedure					
HFD1039X <i>TC Seq. Name :HFD1039X (Verify Subschedules)</i> <i>TimeTag Type:</i> <i>Sub Schedule ID:</i> <input type="checkbox"/>					
1		Verify current MTL and subschedule status		Next Step: 2	
		Verify Telemetry Mtl1sts DEH26170 = Running		AND=ZAZAI999	
		If the MTL function is not running this procedure cannot be executed.			
		Execute Telecommand RetStatusOfCmdSchedule <i>TC Control Flags :</i> GBM IL DSE --Y -- --- <i>Subsch. ID : 10</i> <i>Det. descr. : TEMPLATE ReportStatusOfCmdSchedule,</i> <i>TC(11,18), no appl. data</i>	DCT25170	TC	
		Verify reception of a number of TM(11,19). These contain the current enabled / disabled status of subschedules and APIDs. The OBQD will be updated accordingly, so use it to check the current status. If a subschedule is disabled it will be listed in red or yellow, otherwise it is enabled and it will not be listed at all. WARNING: if the TC is not verified due to MCS or timing issues, the OBQD will NOT be updated even if the TM(11,19) is received. In this case re-uplink the TC with ack flags set to 0.			
2		Select the instrument concerned type: [Switch]		Next Step: HIFI 3 PACS 4 SPIRE 5	
End of Sequence					
HFD1039H <i>TC Seq. Name :HFD1039H (Ena HIFI subsched)</i> <i>TimeTag Type: N</i> <i>Sub Schedule ID:</i> <input type="checkbox"/>					
3		Enable HIFI subschedules		Next Step: 6	

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch	AIT Comment
		Execute Telecommand EnableRelOfTcs_Templ Command Parameter(s) : N_Repetition DH041170 SubscheduleId DH053170 M_nrOfApids DH054170 TC Control Flags : GBM IL DSE --Y -- --- Subsch. ID : 10 Det. descr. : TEMPLATE EnableReleaseOfTcs, TC(11,1)	DCT22170	TC	
End of Sequence					
HFD1039P TC Seq. Name :HFD1039P (Ena PACS Subsched) TimeTag Type: Sub Schedule ID: <input type="checkbox"/>					
4		Enable PACS subschedules		Next Step: 6	
		Execute Telecommand EnableRelOfTcs_Templ Command Parameter(s) : N_Repetition DH041170 SubscheduleId DH053170 M_nrOfApids DH054170 TC Control Flags : GBM IL DSE --Y -- --- Subsch. ID : 10 Det. descr. : TEMPLATE EnableReleaseOfTcs, TC(11,1)	DCT22170	TC	
End of Sequence					
HFD1039S TC Seq. Name :HFD1039S (Ena SPIRE subsched) TimeTag Type: N Sub Schedule ID: <input type="checkbox"/>					
5		Enable SPIRE subschedules		Next Step: 6	
		Execute Telecommand EnableRelOfTcs_Templ Command Parameter(s) : N_Repetition DH041170 SubscheduleId DH053170 M_nrOfApids DH054170 TC Control Flags : GBM IL DSE --Y -- --- Subsch. ID : 10 Det. descr. : TEMPLATE EnableReleaseOfTcs, TC(11,1)	DCT22170	TC	

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch	AIT Comment													
		<p>***** WARNING *****</p> <p>The following TC is not included in the export : before using it verify with SOM or Mission Planner or SPIRE if SPIRE subschedule 100 has to be enabled or not.</p> <p>Normally the enabling of subschedule 370 (the SPIRE meta-subschedule) should be enough, since the related TC will enable subschedule 100 at some appropriate time in the MTL.</p>																
		<p>Execute Telecommand</p> <p style="text-align: center;">EnableRelOfTcs_Templ</p> <p>Command Parameter(s) :</p> <table border="0"> <tr> <td style="padding-right: 20px;">N_Repetition</td> <td>DH041170</td> <td>1 <dec> (Def)</td> </tr> <tr> <td style="padding-right: 20px;">SubscheduleId</td> <td>DH053170</td> <td>100 <dec></td> </tr> <tr> <td style="padding-right: 20px;">M_nrOfApid</td> <td>DH054170</td> <td>0 <dec></td> </tr> </table> <p>TC Control Flags :</p> <table border="0"> <tr> <td style="padding-right: 20px;">GBM IL DSE</td> <td></td> </tr> <tr> <td style="padding-right: 20px;">--Y --</td> <td>---</td> </tr> </table> <p>Subsch. ID : 10 Det. descr. : TEMPLATE EnableReleaseOfTcs, TC(11,1) This Telecommand will not be included in the export</p>	N_Repetition	DH041170	1 <dec> (Def)	SubscheduleId	DH053170	100 <dec>	M_nrOfApid	DH054170	0 <dec>	GBM IL DSE		--Y --	---	DCT22170	TC	
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SubscheduleId	DH053170	100 <dec>																
M_nrOfApid	DH054170	0 <dec>																
GBM IL DSE																		
--Y --	---																	
End of Sequence																		
TC Seq. Name : HFD1039Y (Verify Subschedules) TimeTag Type: Sub Schedule ID: <input type="checkbox"/>																		
6		Verify updated subschedule status		Next Step: END														
		<p>Execute Telecommand</p> <p style="text-align: center;">RetStatusOfCmdSchedule</p> <p>TC Control Flags :</p> <table border="0"> <tr> <td style="padding-right: 20px;">GBM IL DSE</td> <td></td> </tr> <tr> <td style="padding-right: 20px;">--Y --</td> <td>---</td> </tr> </table> <p>Subsch. ID : 10 Det. descr. : TEMPLATE ReportStatusOfCmdSchedule, TC(11,18), no appl. data</p>	GBM IL DSE		--Y --	---	DCT25170	TC										
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		<p>Verify reception of a number of TM(11,19). These contain the current enabled / disabled status of subschedules and APIDs. The OBQD will be updated accordingly, so use it to check the current status. If a subschedule is disabled it will be listed in red or yellow, otherwise it is enabled and it will not be listed at all.</p> <p>WARNING: if the TC is not verified due to MCS or timing issues, the OBQD will NOT be updated even if the TM(11,19) is received. In this case re-uplink the TC with ack flags set to 0.</p>																
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