

Heater Group reconfiguration from HPS 10-18 to HPS 1-9
File: H_CRP_TCS_HCRN.xls
Author: E. Picallo



Procedure Summary

Objectives

This procedure describes the steps to be performed to reconfigure from the failed HPSs 10 to 18 to the healthy HPSs 1 to 9.

Summary of Constraints

One heater group (belonging to HPS 10-18) is declared as Failed and needs to be reconfigured to the healthy one (belonging to HPS 1-9).
Any future on-board reconfiguration of that heater group needs to be disabled.
It is noted that this is typically the scenario in SM where HPSs 10 to 18 are Nominal and HPSs 1 to 9 are Redundant

Spacecraft Configuration

Start of Procedure

CDMU in default configuration;
Thermal Control Management function active;
One heater group (belonging to HPS 10-18) deemed as failed needs to be reconfigured

End of Procedure

CDMU in default configuration;
Thermal Control Management function active;
The heater group (belonging to HPS 10-18) reconfigured to the healthy one (belonging to HPS 1-9), the failed (belonging to HPS 10-18) being marked as Failed in the UIU table.

Reference File(s)

Input Command Sequences

Output Command Sequences

HRTHCRN1
HRTHCRN2
HRTHCRN3
HRTHCRN4
HRTHCRN5
HRTHCRN6
HRTHCRN7
HRTHCRN8
HRTHCRN9

Referenced Displays

ANDs	GRDs	SLDs
WAHT1584		(None)
WAHT3584		
WAHT2584		

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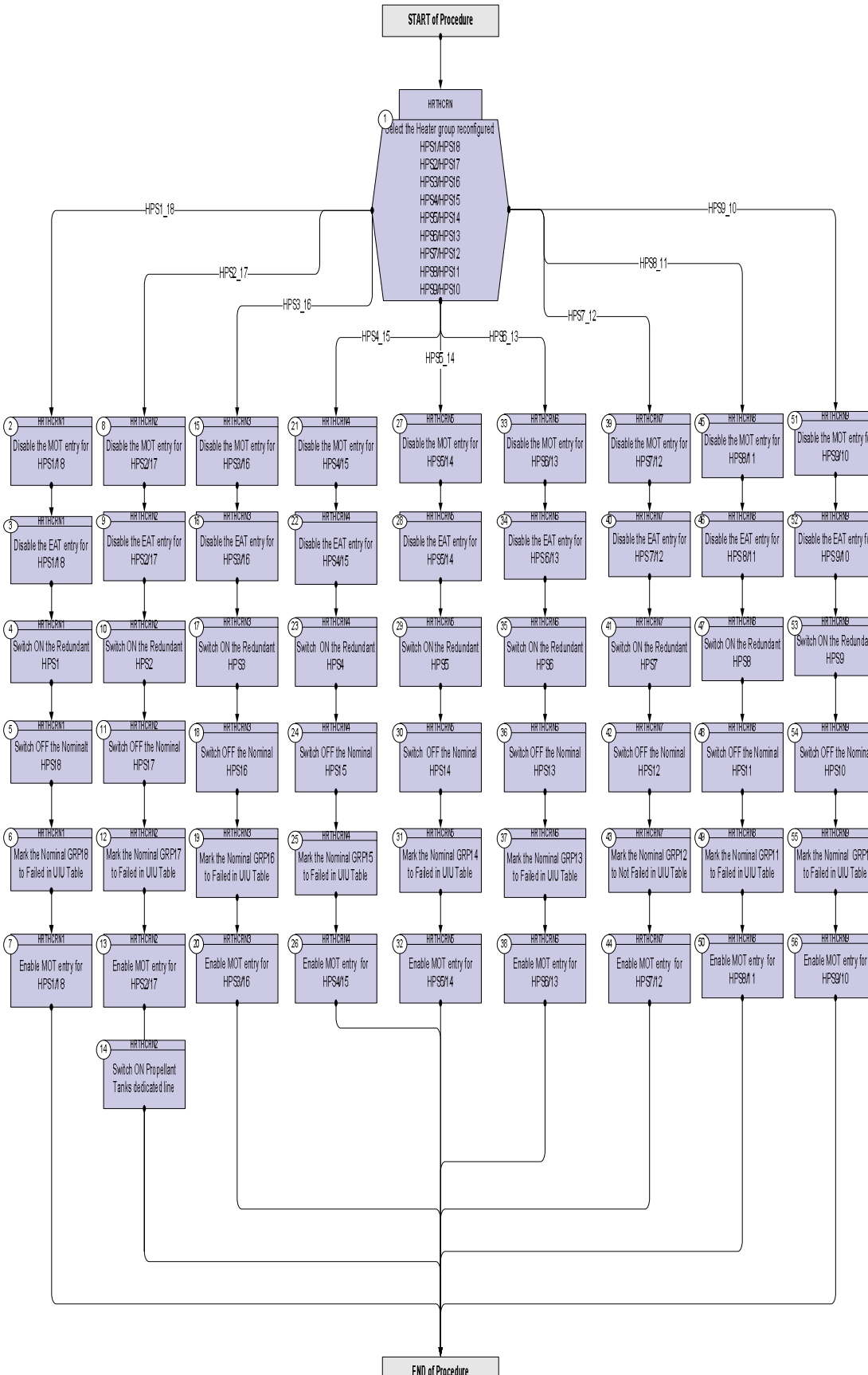
Configuration Control Information

DATE	FOP ISSUE	VERSION	MODIFICATION DESCRIPTION	AUTHOR	SPR REF
04/05/09	2.4	1	Created	E. Picallo	

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Procedure Flowchart Overview



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Procedure Flowchart Overview

END of Procedure

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
Beginning of Procedure				
TC Seq. Name : HRTHCRN (HPS s/o 10-18 to 1-9) Heater Group reconfiguration from HPS 10-18 to HPS 1-9 TimeTag Type: N Sub Schedule ID: <input type="checkbox"/>				
1		Select the Heater group reconfigured: HPS1/HPS18 HPS2/HPS17 HPS3/HPS16 HPS4/HPS15 HPS5/HPS14 HPS6/HPS13 HPS7/HPS12 HPS8/HPS11 HPS9/HPS10		Next Step: HPS1_18 2 HPS3_16 15 HPS4_15 21 HPS5_14 27 HPS6_13 33 HPS7_12 39 HPS8_11 45 HPS9_10 51 HPS2_17 8
TC Seq. Name : HRTHCRN1 (HPS18/1 reconfig) Reconfiguration to HPS1 after failure of HPS18 TimeTag Type: N Sub Schedule ID: <input type="checkbox"/>				
2		Disable the MOT entry for HPS1/18 The monitoring ID / Heater Group allocation being: MonId 21 for GRP1/18		Next Step: 3
2.1		Send TC(12,8) to acquire the current monitoring list When the CDMU ASW receives this request, it issues one or several reports with the current static contents of the Monitoring List (TM packet type (12,9)). When the dump of TM(12,9) has ended, an Event Report TM(5,1,106,1) indicating the number of reported TM(12,9) shall be issued.		<input type="checkbox"/>
		Execute Telecommand <div style="text-align: right;">ReportMonitList</div> TC Control Flags : <div style="text-align: right;">GBM IL DSE --Y -- ---</div> Subsch. ID : 10 Det. descr. : Report current monitoring list, TC(12,8), no appl. data	DC20L170	

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
2.2		Verify that one or more TM(12,9) have been received		<input type="checkbox"/>
		Verify Packet Reception TM 12-9 Current Monitoring List Report Packet Details: <div style="float: right; margin-left: 20px;"> APID: 16 Type: 12 Subtype: 9 PI1: PI2: </div>	CurMonLstRpt	
2.3		Arm Disable MOT		<input type="checkbox"/>
		Execute Telecommand <div style="text-align: right; margin-left: 20px;">ArmDisableMon</div> TC Control Flags : <div style="text-align: right; margin-left: 20px;"> GBM IL DSE --Y -- --- </div> Subsch. ID : 10 Det. descr. : Arm Disable On Board Monitoring, TC(8,4,106,1)	DC54F170	
2.4		Send TC to disable HPS1 monitoring		<input type="checkbox"/>
		Execute Telecommand <div style="text-align: right; margin-left: 20px;">DisMonitOfParam_Templ</div> Command Parameter(s) : <div style="margin-left: 40px;"> N_Repetition DH041170 ParameterId DH042170 MonitorId DH043170 </div> TC Control Flags : <div style="text-align: right; margin-left: 20px;"> GBM IL DSE --Y -- --- </div> Subsch. ID : 10 Det. descr. : TEMPLATE Disable Monitoring of Parameter, TC(12,2)	DCT27170	
2.5		Send TC(12,8) to acquire the current monitoring list		<input type="checkbox"/>
		When the CDMU ASW receives this request, it issues one or several reports with the current static contents of the Monitoring List (TM packet type (12,9)). When the dump of TM(12,9) has ended, an Event Report TM(5,1,106,1) indicating the number of reported TM(12,9) shall be issued.		

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
		Execute Telecommand ReportMonitList <i>TC Control Flags :</i> Subsch. ID : 10 Det. descr. : Report current monitoring list, TC(12,8), no appl. data GBM IL DSE --Y -- ---	DC20L170	
3		Disable the EAT entry for HPS1/18		Next Step: 4
3.1		Send TC(19,6) to acquire the detection list		<input type="checkbox"/>
		Report Event Detection List telecommand is a request for a complete detection list; when this request is received, one or more TM(19,7) are generated.		
		Execute Telecommand ReptEvtActTable <i>TC Control Flags :</i> Subsch. ID : 10 Det. descr. : TEMPLATE Report The contents of the event/action table TC(19,6) GBM IL DSE --Y -- ---	DCT86170	
3.2		Verify that one or more TM(19,7) have been received		<input type="checkbox"/>
		Verify Packet Reception TM 19-7 Event-Action Table Content Report <i>Packet Details:</i> APID: 16 Type: 19 Subtype: 7 PI1: PI2:	EvtActTblRpt	
3.3		Send TC to disable HPS1 EAT entry		<input type="checkbox"/>
		Execute Telecommand DisableActions <i>Command Parameter(s) :</i> N_Repetition DH041170 1 <dec> (Def) APID_for_EAT_TC DH236170 CDMS (Def) EventId DH146170 8013 <hex> <i>TC Control Flags :</i> Subsch. ID : 10 Det. descr. : TEMPLATE Disable Actions TC(19,5) GBM IL DSE --Y -- ---	DCT85170	

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
3.4		Send TC(19,6) to acquire the detection list		<input type="checkbox"/>
		Report Event Detection List telecommand is a request for a complete detection list; when this request is received, one or more TM(19,7) are generated.		
		Execute Telecommand <p style="text-align: right;">ReptEvtActTable</p> TC Control Flags : <p style="text-align: right;">GBM IL DSE ---Y -- ---</p> Subsch. ID : 10 Det. descr. : TEMPLATE Report The contents of the event/action table TC(19,6)	DCT86170	
3.5		Verify that one or more TM(19,7) have been received		<input type="checkbox"/>
		Verify Packet Reception TM 19-7 Event-Action Table Content Report Packet Details: <p style="text-align: right;">APID: 16 Type: 19 Subtype: 7 PI1: PI2:</p>	EvtActTblRpt	
4		Switch ON the Redundant HPS1		Next Step: 5
		Execute Telecommand <p style="text-align: right;">PcdSwOnHps1</p> TC Control Flags : <p style="text-align: right;">GBM IL DSE -SY -- ---</p> Subsch. ID : 10 Det. descr. : PCDU:TC(8,4,112,5) switch On HPS 1	DCC01170	
5		Switch OFF the Nominal HPS18		Next Step: 6
		Execute Telecommand <p style="text-align: right;">PcdSwOffHps18</p> TC Control Flags : <p style="text-align: right;">GBM IL DSE -M- -- ---</p> Subsch. ID : 10 Det. descr. : PCDU:TC(8,4,112,3) switch Off HPS 18	DCD44170	
6		Mark the Nominal GRP18 to Failed in UIU Table		Next Step: 7

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
		Execute Telecommand MarkFailUnitB_Hps18	DC45H170	
		TC Control Flags : Subsch. ID : 10 Det. descr. : Fdir Mark Failed Unit B HPS18, TC(8,4,116,21)	GBM IL DSE -E- - - - -	
6.1		Check successful modification in HK and in the UIU table		<input type="checkbox"/>
		Verify Telemetry GRP1_HPS_STS WM12G565	= ON	AND=WAHT1584
		Verify Telemetry GRP18_HPS_STS WMA2G565	= OFF	AND=WAHT3584
		Verify Telemetry Hps18FailSts DEG72170	= Failed	(None)
7		Enable MOT entry for HPS1/18		Next Step: END
		The monitoring ID / Heater Group allocation being: MonId 21 for GRP1/18		
7.1		Send TC to enable HPS1/HPS18 monitoring		<input type="checkbox"/>
		Execute Telecommand EnabMonitOfParam_Templ	DCT26170	
		Command Parameter(s) : N_Repetition DH041170 ParameterId DH042170 MonitorId DH043170	1 <dec> (Def) 2071 <dec> 21 <dec>	
		TC Control Flags : Subsch. ID : 10 Det. descr. : TEMPLATE Enable Monitoring of Parameter, TC(12,1)	GBM IL DSE --Y - - - - -	
7.2		Send TC(12,8) to acquire the current monitoring list		<input type="checkbox"/>
		When the CDMU ASW receives this request, it issues one or several reports with the current static contents of the Monitoring List (TM packet type (12,9)). When the dump of TM(12,9) has ended, an Event Report TM(5,1,106,1) indicating the number of reported TM(12,9) shall be issued.		

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
		Execute Telecommand <div style="text-align: right;">ReportMonitList</div> TC Control Flags : Subsch. ID : 10 Det. descr. : Report current monitoring list, TC(12,8), no appl. data <div style="text-align: right;">GBM IL DSE --Y -- ---</div>	DC20L170	
7.3		Verify that one or more TM(12,9) have been received		<input type="checkbox"/>
		Verify Packet Reception <div style="text-align: center;">TM 12-9 Current Monitoring List Report</div> Packet Details: <div style="text-align: right;">APID: 16 Type: 12 Subtype: 9 PI1: PI2:</div>	CurMonLstRpt	
TC Seq. Name :HRTHCRN2 (HPS17/2 reconfig) Reconfiguration to HPS2 after failure of HPS17 TimeTag Type: N Sub Schedule ID: <input type="checkbox"/>				
8		Disable the MOT entry for HPS2/17		Next Step: 9
		The monitoring ID / Heater Group allocation being: MonId 27 for GRP2/17		
8.1		Send TC(12,8) to acquire the current monitoring list		<input type="checkbox"/>
		When the CDMU ASW receives this request, it issues one or several reports with the current static contents of the Monitoring List (TM packet type (12,9)). When the dump of TM(12,9) has ended, an Event Report TM(5,1,106,1) indicating the number of reported TM(12,9) shall be issued.		
		Execute Telecommand <div style="text-align: right;">ReportMonitList</div> TC Control Flags : Subsch. ID : 10 Det. descr. : Report current monitoring list, TC(12,8), no appl. data <div style="text-align: right;">GBM IL DSE --Y -- ---</div>	DC20L170	

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
8.2		Verify that one or more TM(12,9) have been received		<input type="checkbox"/>
		Verify Packet Reception TM 12-9 Current Monitoring List Report Packet Details: <div style="text-align: right;"> APID: 16 Type: 12 Subtype: 9 PI1: PI2: </div>	CurMonLstRpt	
8.3		Arm Disable MOT		<input type="checkbox"/>
		Execute Telecommand <div style="text-align: right;">ArmDisableMon</div> TC Control Flags : <div style="text-align: right;"> GBM IL DSE --Y -- -- </div> Subsch. ID : 10 Det. descr. : Arm Disable On Board Monitoring, TC(8,4,106,1)	DC54F170	
8.4		Send TC to disable HPS2 monitoring		<input type="checkbox"/>
		Execute Telecommand <div style="text-align: right;">DisMonitOfParam_Templ</div> Command Parameter(s) : <div style="text-align: right;"> N_Repetition DH041170 ParameterId DH042170 MonitorId DH043170 </div> TC Control Flags : <div style="text-align: right;"> GBM IL DSE --Y -- -- </div> Subsch. ID : 10 Det. descr. : TEMPLATE Disable Monitoring of Parameter, TC(12,2)	DCT27170	
8.5		Send TC(12,8) to acquire the current monitoring list		<input type="checkbox"/>
		When the CDMU ASW receives this request, it issues one or several reports with the current static contents of the Monitoring List (TM packet type (12,9)). When the dump of TM(12,9) has ended, an Event Report TM(5,1,106,1) indicating the number of reported TM(12,9) shall be issued.		

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
		Execute Telecommand ReportMonitList <i>TC Control Flags :</i> Subsch. ID : 10 Det. descr. : Report current monitoring list, TC(12,8), no appl. data GBM IL DSE --Y -- ---	DC20L170	
9		Disable the EAT entry for HPS2/17		Next Step: 10
9.1		Send TC(19,6) to acquire the detection list		<input type="checkbox"/>
		Report Event Detection List telecommand is a request for a complete detection list; when this request is received, one or more TM(19,7) are generated.		
		Execute Telecommand ReptEvtActTable <i>TC Control Flags :</i> Subsch. ID : 10 Det. descr. : TEMPLATE Report The contents of the event/action table TC(19,6) GBM IL DSE --Y -- ---	DCT86170	
9.2		Verify that one or more TM(19,7) have been received		<input type="checkbox"/>
		Verify Packet Reception TM 19-7 Event-Action Table Content Report <i>Packet Details:</i> APID: 16 Type: 19 Subtype: 7 PI1: PI2:	EvtActTblRpt	
9.3		Send TC to disable HPS2 EAT entry		<input type="checkbox"/>
		Execute Telecommand DisableActions <i>Command Parameter(s) :</i> N_Repetition DH041170 1 <dec> (Def) APID_for_EAT_TC DH236170 CDMS (Def) EventId DH146170 8023 <hex> <i>TC Control Flags :</i> Subsch. ID : 10 Det. descr. : TEMPLATE Disable Actions TC(19,5) GBM IL DSE --Y -- ---	DCT85170	

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
9.4		Send TC(19,6) to acquire the detection list		<input type="checkbox"/>
		Report Event Detection List telecommand is a request for a complete detection list; when this request is received, one or more TM(19,7) are generated.		
		Execute Telecommand <p style="text-align: right;">ReptEvtActTable</p> TC Control Flags : <p style="text-align: right;">GBM IL DSE ---Y -- ---</p> Subsch. ID : 10 Det. descr. : TEMPLATE Report The contents of the event/action table TC(19,6)	DCT86170	
9.5		Verify that one or more TM(19,7) have been received		<input type="checkbox"/>
		Verify Packet Reception TM 19-7 Event-Action Table Content Report Packet Details: <p style="text-align: right;">APID: 16 Type: 19 Subtype: 7 PI1: PI2:</p>	EvtActTblRpt	
10		Switch ON the Redundant HPS2		Next Step: 11
		Execute Telecommand <p style="text-align: right;">PcdSwOnHps2</p> TC Control Flags : <p style="text-align: right;">GBM IL DSE -SY -- ---</p> Subsch. ID : 10 Det. descr. : PCDU:TC(8,4,112,5) switch On HPS 2	DCC02170	
11		Switch OFF the Nominal HPS17		Next Step: 12
		Execute Telecommand <p style="text-align: right;">PcdSwOffHps17</p> TC Control Flags : <p style="text-align: right;">GBM IL DSE -M- -- ---</p> Subsch. ID : 10 Det. descr. : PCDU:TC(8,4,112,3) switch Off HPS 17	DCD43170	
12		Mark the Nominal GRP17 to Failed in UIU Table		Next Step: 13

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
		Execute Telecommand MarkFailUnitB_Hps17 TC Control Flags : Subsch. ID : 10 Det. descr. : Fdir Mark Failed Unit B HPS17, TC(8,4,116,21) GBM IL DSE -E- - - - -	DC46H170	
12.1		Check successful modification in HK and UIU table		<input type="checkbox"/>
		Verify Telemetry GRP2_HPS_STS WM22G565	= ON	AND=WAHT1584
		Verify Telemetry GRP17_HPS_STS WM92H565	= OFF	AND=WAHT3584
		Verify Telemetry Hps17FailSts DEG68170	= Failed	(None)
13		Enable MOT entry for HPS2/17		Next Step: 14
		The monitoring ID / Heater Group allocation being: Mond1 27 for GRP2/17		
13.1		Send TC to enable HPS2/HPS17 monitoring		<input type="checkbox"/>
		Execute Telecommand EnabMonitOfParam_Templ Command Parameter(s) : N_Repetition DH041170 ParameterId DH042170 MonitorId DH043170 TC Control Flags : Subsch. ID : 10 Det. descr. : TEMPLATE Enable Monitoring of Parameter, TC(12,1) GBM IL DSE --Y - - - -	DCT26170 1 <dec> (Def) 2071 <dec> 27 <dec>	
13.2		Send TC(12,8) to acquire the current monitoring list		<input type="checkbox"/>
		When the CDMU ASW receives this request, it issues one or several reports with the current static contents of the Monitoring List (TM packet type (12,9)). When the dump of TM(12,9) has ended, an Event Report TM(5,1,106,1) indicating the number of reported TM(12,9) shall be issued.		

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
		Execute Telecommand ReportMonitList TC Control Flags : Subsch. ID : 10 Det. descr. : Report current monitoring list, TC(12,8), no appl. data	DC20L170	
13.3		Verify that one or more TM(12,9) have been received		<input type="checkbox"/>
		Verify Packet Reception TM 12-9 Current Monitoring List Report Packet Details: APID: 16 Type: 12 Subtype: 9 PI1: PI2:	CurMonLstRpt	
14		Switch ON Propellant Tanks dedicated line		Next Step: END
		HPS2HCS6 needs to be switched back ON		
		Execute Telecommand SwOn_Tanks_G2H6 TC Control Flags : Subsch. ID : 10 Det. descr. : PCDU:TC(8,4,112,5) switch On Tanks Group 2 HCS 6	DCC30170	
		Verify Telemetry tanks_G2H6_S WM21F565		(None)
<p>TC Seq. Name : HRTHCRN3 (HPS16/3 reconfig) Reconfiguration to HPS3 after failure of HPS16</p> <p>TimeTag Type: N Sub Schedule ID: <input type="checkbox"/></p>				
15		Disable the MOT entry for HPS3/16		Next Step: 16
		The monitoring ID / Heater Group allocation being: MonId 33 for GRP3/16		
15.1		Send TC(12,8) to acquire the current monitoring list		<input type="checkbox"/>

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
		<p>When the CDMU ASW receives this request, it issues one or several reports with the current static contents of the Monitoring List (TM packet type (12,9)). When the dump of TM(12,9) has ended, an Event Report TM(5,1,106,1) indicating the number of reported TM(12,9) shall be issued.</p>		
		<p>Execute Telecommand</p> <p style="text-align: right;">ReportMonitList</p> <p>TC Control Flags :</p> <p style="text-align: right;">GBM IL DSE --Y -- ---</p> <p>Subsch. ID : 10 Det. descr. : Report current monitoring list, TC(12,8), no appl. data</p>	DC20L170	
15.2		Verify that one or more TM(12,9) have been received		<input type="checkbox"/>
		<p>Verify Packet Reception</p> <p style="text-align: center;">TM 12-9 Current Monitoring List Report</p> <p>Packet Details:</p> <p style="text-align: right;">APID: 16 Type: 12 Subtype: 9 PI1: PI2:</p>	CurMonLstRpt	
15.3		Arm Disable MOT		<input type="checkbox"/>
		<p>Execute Telecommand</p> <p style="text-align: right;">ArmDisableMon</p> <p>TC Control Flags :</p> <p style="text-align: right;">GBM IL DSE --Y -- ---</p> <p>Subsch. ID : 10 Det. descr. : Arm Disable On Board Monitoring, TC(8,4,106,1)</p>	DC54F170	
15.4		Send TC to disable HPS3 monitoring		<input type="checkbox"/>
		<p>Execute Telecommand</p> <p style="text-align: right;">DisMonitOfParam_Templ</p> <p>Command Parameter(s) :</p> <p style="text-align: right;">N_Repetition DH041170 1 <dec> (Def) ParameterId DH042170 2072 <dec> MonitorId DH043170 33 <dec></p> <p>TC Control Flags :</p> <p style="text-align: right;">GBM IL DSE --Y -- ---</p> <p>Subsch. ID : 10 Det. descr. : TEMPLATE Disable Monitoring of Parameter, TC(12,2)</p>	DCT27170	

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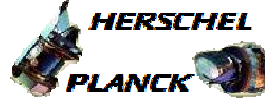
Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
15.5		Send TC(12,8) to acquire the current monitoring list		<input type="checkbox"/>
		When the CDMU ASW receives this request, it issues one or several reports with the current static contents of the Monitoring List (TM packet type (12,9)). When the dump of TM(12,9) has ended, an Event Report TM(5,1,106,1) indicating the number of reported TM(12,9) shall be issued.		
		Execute Telecommand <div style="text-align: right;">ReportMonitList</div> TC Control Flags : <div style="text-align: right;">GBM IL DSE --Y -- ---</div> Subsch. ID : 10 Det. descr. : Report current monitoring list, TC(12,8), no appl. data	DC20L170	
16		Disable the EAT entry for HPS3/16		Next Step: 17
16.1		Send TC(19,6) to acquire the detection list		<input type="checkbox"/>
		Report Event Detection List telecommand is a request for a complete detection list; when this request is received, one or more TM(19,7) are generated.		
		Execute Telecommand <div style="text-align: right;">ReptEvtActTable</div> TC Control Flags : <div style="text-align: right;">GBM IL DSE --Y -- ---</div> Subsch. ID : 10 Det. descr. : TEMPLATE Report The contents of the event/action table TC(19,6)	DCT86170	
16.2		Verify that one or more TM(19,7) have been received		<input type="checkbox"/>
		Verify Packet Reception TM 19-7 Event-Action Table Content Report Packet Details: <div style="text-align: right;">APID: 16 Type: 19 Subtype: 7 PI1: PI2:</div>	EvtActTblRpt	
16.3		Send TC to disable HPS3 EAT entry		<input type="checkbox"/>

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
		Execute Telecommand DisableActions <i>Command Parameter(s) :</i> N_Repetition DH041170 APID_for_EAT_TC DH236170 EventId DH146170 <i>TC Control Flags :</i> GBM IL DSE --Y -- --- <i>Subsch. ID : 10</i> <i>Det. descr. : TEMPLATE Disable Actions TC(19,5)</i>	DCT85170 1 <dec> (Def) CDMS (Def) 8033 <hex>	
16.4		Send TC(19,6) to acquire the detection list		<input type="checkbox"/>
		Report Event Detection List telecommand is a request for a complete detection list; when this request is received, one or more TM(19,7) are generated.		
		Execute Telecommand ReptEvtActTable <i>TC Control Flags :</i> GBM IL DSE --Y -- --- <i>Subsch. ID : 10</i> <i>Det. descr. : TEMPLATE Report The contents of the event/action table TC(19,6)</i>	DCT86170	
16.5		Verify that one or more TM(19,7) have been received		<input type="checkbox"/>
		Verify Packet Reception TM 19-7 Event-Action Table Content Report <i>Packet Details:</i> APID: 16 Type: 19 Subtype: 7 PI1: PI2:	EvtActTblRpt	
17		Switch ON the Redundant HPS3		Next Step: 18
		Execute Telecommand PcdSwOnHps3 <i>TC Control Flags :</i> GBM IL DSE -SY -- --- <i>Subsch. ID : 10</i> <i>Det. descr. : PCDU:TC(8,4,112,5) switch On HPS 3</i>	DCC03170	
18		Switch OFF the Nominal HPS16		Next Step: 19

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
		Execute Telecommand PcduswOffHps16 <i>TC Control Flags :</i> GBM IL DSE -M- -- --- Subsch. ID : 10 Det. descr. : PCDU:TC(8,4,112,3) switch Off HPS 16	DCD42170	
19		Mark the Nominal GRP16 to Failed in UIU Table		Next Step: 20
		Execute Telecommand MarkFailUnitB_Hps16 <i>TC Control Flags :</i> GBM IL DSE -E- -- --- Subsch. ID : 10 Det. descr. : Fdir Mark Failed Unit B HPS16, TC(8,4,116,21)	DC47H170	
19.1		Check successful modification in HK and UIU table		<input type="checkbox"/>
		Verify Telemetry GRP3_HPS_STS WM22H565	= ON	AND=WAHT1584
		Verify Telemetry GRP16_HPS_STS WM92G565	= OFF	AND=WAHT3584
		Verify Telemetry Hps16FailSts DEG64170	= Failed	(None)
20		Enable MOT entry for HPS3/16		Next Step: END
		The monitoring ID / Heater Group allocation being: MonId 33 for GRP3/16		
20.1		Send TC to enable HPS3/HPS16 monitoring		<input type="checkbox"/>
		Execute Telecommand EnabMonitOfParam_Templ <i>Command Parameter(s) :</i> N_Repetition DH041170 1 <dec> (Def) ParameterId DH042170 2072 <dec> MonitorId DH043170 33 <dec> <i>TC Control Flags :</i> GBM IL DSE --Y -- --- Subsch. ID : 10 Det. descr. : TEMPLATE Enable Monitoring of Parameter, TC(12,1)	DCT26170	

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
20.2		Send TC(12,8) to acquire the current monitoring list		<input type="checkbox"/>
		When the CDMU ASW receives this request, it issues one or several reports with the current static contents of the Monitoring List (TM packet type (12,9)). When the dump of TM(12,9) has ended, an Event Report TM(5,1,106,1) indicating the number of reported TM(12,9) shall be issued.		
		Execute Telecommand <div style="text-align: right;">ReportMonitList</div> TC Control Flags : <div style="text-align: right;">GBM IL DSE --Y -- --</div> Subsch. ID : 10 Det. descr. : Report current monitoring list, TC(12,8), no appl. data	DC20L170	
20.3		Verify that one or more TM(12,9) have been received		<input type="checkbox"/>
		Verify Packet Reception TM 12-9 Current Monitoring List Report Packet Details: <div style="text-align: right;">APID: Type: Subtype: PI1: PI2:</div>	CurMonLstRpt 16 12 9	
TC Seq. Name : HRTHCRN4 (HPS15/4 reconfig) Reconfiguration to HPS4 after failure of HPS15 TimeTag Type: N Sub Schedule ID: <input type="checkbox"/>				
21		Disable the MOT entry for HPS4/15		Next Step: 22
		The monitoring ID / Heater Group allocation being: MonId 39 for GRP4/15		
21.1		Send TC(12,8) to acquire the current monitoring list		<input type="checkbox"/>
		When the CDMU ASW receives this request, it issues one or several reports with the current static contents of the Monitoring List (TM packet type (12,9)). When the dump of TM(12,9) has ended, an Event Report TM(5,1,106,1) indicating the number of reported TM(12,9) shall be issued.		

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
		Execute Telecommand <div style="text-align: right;">ReportMonitList</div> TC Control Flags : <div style="text-align: right;">GBM IL DSE --Y -- ---</div> Subsch. ID : 10 Det. descr. : Report current monitoring list, TC(12,8), no appl. data	DC20L170	
21.2		Verify that one or more TM(12,9) have been received		<input type="checkbox"/>
		Verify Packet Reception <div style="text-align: center;">TM 12-9 Current Monitoring List Report</div> Packet Details: <div style="text-align: right;">APID: 16 Type: 12 Subtype: 9 PI1: PI2:</div>	CurMonLstRpt	
21.3		Arm Disable MOT		<input type="checkbox"/>
		Execute Telecommand <div style="text-align: right;">ArmDisableMon</div> TC Control Flags : <div style="text-align: right;">GBM IL DSE --Y -- ---</div> Subsch. ID : 10 Det. descr. : Arm Disable On Board Monitoring, TC(8,4,106,1)	DC54F170	
21.4		Send TC to disable HPS4 monitoring		<input type="checkbox"/>
		Execute Telecommand <div style="text-align: right;">DisMonitOfParam_Templ</div> Command Parameter(s) : <div style="text-align: right;">N_Repetition DH041170 ParameterId DH042170 MonitorId DH043170</div> TC Control Flags : <div style="text-align: right;">GBM IL DSE --Y -- ---</div> Subsch. ID : 10 Det. descr. : TEMPLATE Disable Monitoring of Parameter, TC(12,2)	DCT27170 1 <dec> (Def) 2072 <dec> 39 <dec>	
21.5		Send TC(12,8) to acquire the current monitoring list		<input type="checkbox"/>

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
		<p>When the CDMU ASW receives this request, it issues one or several reports with the current static contents of the Monitoring List (TM packet type (12,9)). When the dump of TM(12,9) has ended, an Event Report TM(5,1,106,1) indicating the number of reported TM(12,9) shall be issued.</p>		
		<p>Execute Telecommand</p> <p style="text-align: right;">ReportMonitList</p> <p>TC Control Flags :</p> <p style="text-align: right;">GBM IL DSE --Y -- ---</p> <p>Subsch. ID : 10 Det. descr. : Report current monitoring list, TC(12,8), no appl. data</p>	DC20L170	
22		Disable the EAT entry for HPS4/15		Next Step: 23
22.1		Send TC(19,6) to acquire the detection list		<input type="checkbox"/>
		<p>Report Event Detection List telecommand is a request for a complete detection list; when this request is received, one or more TM(19,7) are generated.</p>		
		<p>Execute Telecommand</p> <p style="text-align: right;">ReptEvtActTable</p> <p>TC Control Flags :</p> <p style="text-align: right;">GBM IL DSE --Y -- ---</p> <p>Subsch. ID : 10 Det. descr. : TEMPLATE Report The contents of the event/action table TC(19,6)</p>	DCT86170	
22.2		Verify that one or more TM(19,7) have been received		<input type="checkbox"/>
		<p>Verify Packet Reception</p> <p style="text-align: center;">TM 19-7 Event-Action Table Content Report</p> <p>Packet Details:</p> <p style="text-align: right;">APID: 16 Type: 19 Subtype: 7 PI1: PI2:</p>	EvtActTblRpt	
22.3		Send TC to disable HPS4 EAT entry		<input type="checkbox"/>

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
		Execute Telecommand DisableActions Command Parameter(s) : N_Repetition DH041170 APID_for_EAT_TC DH236170 EventId DH146170 TC Control Flags : GBM IL DSE --Y -- --- Subsch. ID : 10 Det. descr. : TEMPLATE Disable Actions TC(19,5)	DCT85170 1 <dec> (Def) CDMS (Def) 8043 <hex>	
22.4		Send TC(19,6) to acquire the detection list		<input type="checkbox"/>
		Report Event Detection List telecommand is a request for a complete detection list; when this request is received, one or more TM(19,7) are generated.		
		Execute Telecommand ReptEvtActTable TC Control Flags : GBM IL DSE --Y -- --- Subsch. ID : 10 Det. descr. : TEMPLATE Report The contents of the event/action table TC(19,6)	DCT86170	
22.5		Verify that one or more TM(19,7) have been received		<input type="checkbox"/>
		Verify Packet Reception TM 19-7 Event-Action Table Content Report Packet Details: APID: 16 Type: 19 Subtype: 7 PI1: PI2:	EvtActTblRpt	
23		Switch ON the Redundant HPS4		Next Step: 24
		Execute Telecommand PcdSwOnHps4 TC Control Flags : GBM IL DSE -SY -- --- Subsch. ID : 10 Det. descr. : PCDU:TC(8,4,112,5) switch On HPS 4	DCC04170	
24		Switch OFF the Nominal HPS15		Next Step: 25

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
		Execute Telecommand PcduswOffHps15 <i>TC Control Flags :</i> Subsch. ID : 10 Det. descr. : PCDU:TC(8,4,112,3) switch Off HPS 15 GBM IL DSE -M- -- ---	DCD41170	
25		Mark the Nominal GRP15 to Failed in UIU Table		Next Step: 26
		Execute Telecommand MarkFailUnitB_Hps15 <i>TC Control Flags :</i> Subsch. ID : 10 Det. descr. : Fdir Mark Failed Unit B HPS15, TC(8,4,116,21) GBM IL DSE -E- -- ---	DC48H170	
25.1		Check successful modification of the UIU table		<input type="checkbox"/>
		Verify Telemetry GRP4_HPS_STS WM32G565	= ON	AND=WAHT1584
		Verify Telemetry GRP15_HPS_STS WM82H565	= OFF	AND=WAHT3584
		Verify Telemetry Hps15FailSts DEG60170	= Failed	(None)
26		Enable MOT entry for HPS4/15		Next Step: END
		The monitoring ID / Heater Group allocation being: MonId 39 for GRP4/15		
26.1		Send TC to enable HPS4/HPS15 monitoring		<input type="checkbox"/>
		Execute Telecommand EnabMonitOfParam_Templ <i>Command Parameter(s) :</i> N_Repetition DH041170 1 <dec> (Def) ParameterId DH042170 2072 <dec> MonitorId DH043170 39 <dec> <i>TC Control Flags :</i> Subsch. ID : 10 Det. descr. : TEMPLATE Enable Monitoring of Parameter, TC(12,1) GBM IL DSE --Y -- ---	DCT26170	

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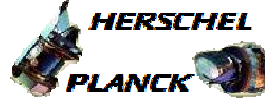
Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
26.2		Send TC(12,8) to acquire the current monitoring list		<input type="checkbox"/>
		When the CDMU ASW receives this request, it issues one or several reports with the current static contents of the Monitoring List (TM packet type (12,9)). When the dump of TM(12,9) has ended, an Event Report TM(5,1,106,1) indicating the number of reported TM(12,9) shall be issued.		
		Execute Telecommand <div style="text-align: right;">ReportMonitList</div> TC Control Flags : <div style="text-align: right;">GBM IL DSE --Y -- --</div> Subsch. ID : 10 Det. descr. : Report current monitoring list, TC(12,8), no appl. data	DC20L170	
26.3		Verify that one or more TM(12,9) have been received		<input type="checkbox"/>
		Verify Packet Reception <div style="text-align: center;">TM 12-9 Current Monitoring List Report</div> Packet Details: <div style="text-align: right;">APID: 16 Type: 12 Subtype: 9 PI1: PI2:</div>	CurMonLstRpt	
TC Seq. Name : HRTHCRN5 (HPS14/5 reconfig) Reconfiguration to HPS5 after failure of HPS14 TimeTag Type: N Sub Schedule ID: <input type="checkbox"/>				
27		Disable the MOT entry for HPS5/14		Next Step: 28
		The monitoring ID / Heater Group allocation being: MonId 45 for GRP5/14		
27.1		Send TC(12,8) to acquire the current monitoring list		<input type="checkbox"/>
		When the CDMU ASW receives this request, it issues one or several reports with the current static contents of the Monitoring List (TM packet type (12,9)). When the dump of TM(12,9) has ended, an Event Report TM(5,1,106,1) indicating the number of reported TM(12,9) shall be issued.		

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
		Execute Telecommand <div style="text-align: right;">ReportMonitList</div> TC Control Flags : <div style="text-align: right;">GBM IL DSE --Y -- ---</div> Subsch. ID : 10 Det. descr. : Report current monitoring list, TC(12,8), no appl. data	DC20L170	
27.2		Verify that one or more TM(12,9) have been received		<input type="checkbox"/>
		Verify Packet Reception <div style="text-align: center;">TM 12-9 Current Monitoring List Report</div> Packet Details: <div style="text-align: right;">APID: 16 Type: 12 Subtype: 9 PI1: PI2:</div>	CurMonLstRpt	
27.3		Arm Disable MOT		<input type="checkbox"/>
		Execute Telecommand <div style="text-align: right;">ArmDisableMon</div> TC Control Flags : <div style="text-align: right;">GBM IL DSE --Y -- ---</div> Subsch. ID : 10 Det. descr. : Arm Disable On Board Monitoring, TC(8,4,106,1)	DC54F170	
27.4		Send TC to disable HPS5 monitoring		<input type="checkbox"/>
		Execute Telecommand <div style="text-align: right;">DisMonitOfParam_Templ</div> Command Parameter(s) : <div style="text-align: right;">N_Repetition DH041170 ParameterId DH042170 MonitorId DH043170</div> TC Control Flags : <div style="text-align: right;">GBM IL DSE --Y -- ---</div> Subsch. ID : 10 Det. descr. : TEMPLATE Disable Monitoring of Parameter, TC(12,2)	DCT27170 1 <dec> (Def) 2073 <dec> 45 <dec>	
27.5		Send TC(12,8) to acquire the current monitoring list		<input type="checkbox"/>

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
		<p>When the CDMU ASW receives this request, it issues one or several reports with the current static contents of the Monitoring List (TM packet type (12,9)). When the dump of TM(12,9) has ended, an Event Report TM(5,1,106,1) indicating the number of reported TM(12,9) shall be issued.</p>		
		<p>Execute Telecommand</p> <p style="text-align: right;">ReportMonitList</p> <p>TC Control Flags :</p> <p style="text-align: right;">GBM IL DSE --Y -- ---</p> <p>Subsch. ID : 10 Det. descr. : Report current monitoring list, TC(12,8), no appl. data</p>	DC20L170	
28		Disable the EAT entry for HPS5/14		Next Step: 29
28.1		Send TC(19,6) to acquire the detection list		<input type="checkbox"/>
		<p>Report Event Detection List telecommand is a request for a complete detection list; when this request is received, one or more TM(19,7) are generated.</p>		
		<p>Execute Telecommand</p> <p style="text-align: right;">ReptEvtActTable</p> <p>TC Control Flags :</p> <p style="text-align: right;">GBM IL DSE --Y -- ---</p> <p>Subsch. ID : 10 Det. descr. : TEMPLATE Report The contents of the event/action table TC(19,6)</p>	DCT86170	
28.2		Verify that one or more TM(19,7) have been received		<input type="checkbox"/>
		<p>Verify Packet Reception</p> <p style="text-align: center;">TM 19-7 Event-Action Table Content Report</p> <p>Packet Details:</p> <p style="text-align: right;">APID: 16 Type: 19 Subtype: 7 PI1: PI2:</p>	EvtActTblRpt	
28.3		Send TC to disable HPS5 EAT entry		<input type="checkbox"/>

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
		Execute Telecommand DisableActions Command Parameter(s) : N_Repetition DH041170 APID_for_EAT_TC DH236170 EventId DH146170 TC Control Flags : GBM IL DSE --Y -- --- Subsch. ID : 10 Det. descr. : TEMPLATE Disable Actions TC(19,5)	DCT85170 1 <dec> (Def) CDMS (Def) 8053 <hex>	
28.4		Send TC(19,6) to acquire the detection list		<input type="checkbox"/>
		Report Event Detection List telecommand is a request for a complete detection list; when this request is received, one or more TM(19,7) are generated.		
		Execute Telecommand ReptEvtActTable TC Control Flags : GBM IL DSE --Y -- --- Subsch. ID : 10 Det. descr. : TEMPLATE Report The contents of the event/action table TC(19,6)	DCT86170	
28.5		Verify that one or more TM(19,7) have been received		<input type="checkbox"/>
		Verify Packet Reception TM 19-7 Event-Action Table Content Report Packet Details: APID: 16 Type: 19 Subtype: 7 PI1: PI2:	EvtActTblRpt	
29		Switch ON the Redundant HPS5		Next Step: 30
		Execute Telecommand PcdSwOnHps5 TC Control Flags : GBM IL DSE -SY -- --- Subsch. ID : 10 Det. descr. : PCDU:TC(8,4,112,5) switch On HPS 5	DCC05170	
30		Switch OFF the Nominal HPS14		Next Step: 31

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
		Execute Telecommand PcduswOffHps14 TC Control Flags : Subsch. ID : 10 Det. descr. : PCDU:TC(8,4,112,3) switch Off HPS 14 GBM IL DSE -M- -- ---	DCD40170	
31		Mark the Nominal GRP14 to Failed in UIU Table		Next Step: 32
		Execute Telecommand MarkFailUnitB_Hps14 TC Control Flags : Subsch. ID : 10 Det. descr. : Fdir Mark Failed Unit B HPS14, TC(8,4,116,21) GBM IL DSE -E- -- ---	DC49H170	
31.1		Check successful modification in HK and UIU table		<input type="checkbox"/>
		Verify Telemetry GRP5_HPS_STS WM32H565	= ON	AND=WAHT1584
		Verify Telemetry GRP14_HPS_STS WM82G565	= OFF	AND=WAHT3584
		Verify Telemetry Hps14FailSts DEG56170	= Failed	(None)
32		Enable MOT entry for HPS5/14		Next Step: END
		The monitoring ID / Heater Group allocation being: MonId 45 for GRP5/14		
32.1		Send TC to enable HPS5/HPS14 monitoring		<input type="checkbox"/>
		Execute Telecommand EnabMonitOfParam_Templ Command Parameter(s) : N_Repetition DH041170 ParameterId DH042170 MonitorId DH043170 TC Control Flags : Subsch. ID : 10 Det. descr. : TEMPLATE Enable Monitoring of Parameter, TC(12,1) GBM IL DSE --Y -- ---	DCT26170 1 <dec> (Def) 2073 <dec> 45 <dec>	

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
32.2		Send TC(12,8) to acquire the current monitoring list		<input type="checkbox"/>
		When the CDMU ASW receives this request, it issues one or several reports with the current static contents of the Monitoring List (TM packet type (12,9)). When the dump of TM(12,9) has ended, an Event Report TM(5,1,106,1) indicating the number of reported TM(12,9) shall be issued.		
		Execute Telecommand <div style="text-align: right;">ReportMonitList</div> TC Control Flags : <div style="text-align: right;">GBM IL DSE --Y -- --</div> Subsch. ID : 10 Det. descr. : Report current monitoring list, TC(12,8), no appl. data	DC20L170	
32.3		Verify that one or more TM(12,9) have been received		<input type="checkbox"/>
		Verify Packet Reception <div style="text-align: center;">TM 12-9 Current Monitoring List Report</div> Packet Details: <div style="text-align: right;">APID: Type: Subtype: PI1: PI2:</div>	CurMonLstRpt 16 12 9	
TC Seq. Name :HRTHCRN6 (HPS13/6 reconfig) Reconfiguration to HPS6 after failure of HPS13 TimeTag Type: N Sub Schedule ID: <input type="checkbox"/>				
33		Disable the MOT entry for HPS6/13		Next Step: 34
		The monitoring ID / Heater Group allocation being: MonId 51 for GRP6/13		
33.1		Send TC(12,8) to acquire the current monitoring list		<input type="checkbox"/>
		When the CDMU ASW receives this request, it issues one or several reports with the current static contents of the Monitoring List (TM packet type (12,9)). When the dump of TM(12,9) has ended, an Event Report TM(5,1,106,1) indicating the number of reported TM(12,9) shall be issued.		

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
		Execute Telecommand <div style="text-align: right;">ReportMonitList</div> TC Control Flags : <div style="text-align: right;">GBM IL DSE --Y -- ---</div> Subsch. ID : 10 Det. descr. : Report current monitoring list, TC(12,8), no appl. data	DC20L170	
33.2		Verify that one or more TM(12,9) have been received		<input type="checkbox"/>
		Verify Packet Reception <div style="text-align: center;">TM 12-9 Current Monitoring List Report</div> Packet Details: <div style="text-align: right;">APID: 16 Type: 12 Subtype: 9 PI1: PI2:</div>	CurMonLstRpt	
33.3		Arm Disable MOT		<input type="checkbox"/>
		Execute Telecommand <div style="text-align: right;">ArmDisableMon</div> TC Control Flags : <div style="text-align: right;">GBM IL DSE --Y -- ---</div> Subsch. ID : 10 Det. descr. : Arm Disable On Board Monitoring, TC(8,4,106,1)	DC54F170	
33.4		Send TC to disable HPS6 monitoring		<input type="checkbox"/>
		Execute Telecommand <div style="text-align: right;">DisMonitOfParam_Templ</div> Command Parameter(s) : <div style="text-align: right;">N_Repetition DH041170 ParameterId DH042170 MonitorId DH043170</div> TC Control Flags : <div style="text-align: right;">GBM IL DSE --Y -- ---</div> Subsch. ID : 10 Det. descr. : TEMPLATE Disable Monitoring of Parameter, TC(12,2)	DCT27170 1 <dec> (Def) 2073 <dec> 51 <dec>	
33.5		Send TC(12,8) to acquire the current monitoring list		<input type="checkbox"/>

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
		<p>When the CDMU ASW receives this request, it issues one or several reports with the current static contents of the Monitoring List (TM packet type (12,9)). When the dump of TM(12,9) has ended, an Event Report TM(5,1,106,1) indicating the number of reported TM(12,9) shall be issued.</p>		
		<p>Execute Telecommand</p> <p style="text-align: right;">ReportMonitList</p> <p>TC Control Flags :</p> <p style="text-align: right;">GBM IL DSE --Y -- ---</p> <p>Subsch. ID : 10 Det. descr. : Report current monitoring list, TC(12,8), no appl. data</p>	DC20L170	
34		Disable the EAT entry for HPS 6/13		Next Step: 35
34.1		Send TC(19,6) to acquire the detection list		<input type="checkbox"/>
		<p>Report Event Detection List telecommand is a request for a complete detection list; when this request is received, one or more TM(19,7) are generated.</p>		
		<p>Execute Telecommand</p> <p style="text-align: right;">ReptEvtActTable</p> <p>TC Control Flags :</p> <p style="text-align: right;">GBM IL DSE --Y -- ---</p> <p>Subsch. ID : 10 Det. descr. : TEMPLATE Report The contents of the event/action table TC(19,6)</p>	DCT86170	
34.2		Verify that one or more TM(19,7) have been received		<input type="checkbox"/>
		<p>Verify Packet Reception</p> <p style="text-align: center;">TM 19-7 Event-Action Table Content Report</p> <p>Packet Details:</p> <p style="text-align: right;">APID: 16 Type: 19 Subtype: 7 PI1: PI2:</p>	EvtActTblRpt	
34.3		Send TC to disable HPS6 EAT entry		<input type="checkbox"/>

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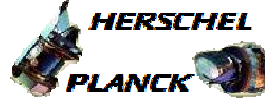
Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
		Execute Telecommand DisableActions Command Parameter(s) : N_Repetition DH041170 APID_for_EAT_TC DH236170 EventId DH146170 TC Control Flags : GBM IL DSE --Y -- --- Subsch. ID : 10 Det. descr. : TEMPLATE Disable Actions TC(19,5)	DCT85170 1 <dec> (Def) CDMS (Def) 8063 <hex>	
34.4		Send TC(19,6) to acquire the detection list		<input type="checkbox"/>
		Report Event Detection List telecommand is a request for a complete detection list; when this request is received, one or more TM(19,7) are generated.		
		Execute Telecommand ReptEvtActTable TC Control Flags : GBM IL DSE --Y -- --- Subsch. ID : 10 Det. descr. : TEMPLATE Report The contents of the event/action table TC(19,6)	DCT86170	
34.5		Verify that one or more TM(19,7) have been received		<input type="checkbox"/>
		Verify Packet Reception TM 19-7 Event-Action Table Content Report Packet Details: APID: 16 Type: 19 Subtype: 7 PI1: PI2:	EvtActTblRpt	
35		Switch ON the Redundant HPS6		Next Step: 36
		Execute Telecommand PcdSwOnHps6 TC Control Flags : GBM IL DSE -SY -- --- Subsch. ID : 10 Det. descr. : PCDU:TC(8,4,112,5) switch On HPS 6	DCC06170	
36		Switch OFF the Nominal HPS13		Next Step: 37

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
		Execute Telecommand <i>TC Control Flags :</i> Subsch. ID : 10 Det. descr. : PCDU:TC(8,4,112,3) switch Off HPS 13	PCduSwOffHps13 DCD39170	
37		Mark the Nominal GRP13 to Failed in UIU Table		Next Step: 38
		Execute Telecommand <i>TC Control Flags :</i> Subsch. ID : 10 Det. descr. : Fdir Mark Failed Unit B HPS13, TC(8,4,116,21)	MarkFailUnitB_Hps13 DC50H170	
37.1		Check successful modification in HK and UIU table		<input type="checkbox"/>
		Verify Telemetry GRP6_HPS_STS WM42G565	= ON	AND=WAHT1584
		Verify Telemetry GRP13_HPS_STS WM72H565	= OFF	AND=WAHT3584
		Verify Telemetry Hps13FailSts DEG52170	= Failed	(None)
38		Enable MOT entry for HPS6/13		Next Step: END
		The monitoring ID / Heater Group allocation being: MonId 51 for GRP6/13		
38.1		Send TC to enable HPS6/HPS13 monitoring		<input type="checkbox"/>
		Execute Telecommand Command Parameter(s) : N_Repetition DH041170 ParameterId DH042170 MonitorId DH043170 <i>TC Control Flags :</i> Subsch. ID : 10 Det. descr. : TEMPLATE Enable Monitoring of Parameter, TC(12,1)	EnabMonitOfParam_Templ DCT26170 1 <dec> (Def) 2073 <dec> 51 <dec>	

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
38.2		Send TC(12,8) to acquire the current monitoring list		<input type="checkbox"/>
		When the CDMU ASW receives this request, it issues one or several reports with the current static contents of the Monitoring List (TM packet type (12,9)). When the dump of TM(12,9) has ended, an Event Report TM(5,1,106,1) indicating the number of reported TM(12,9) shall be issued.		
		Execute Telecommand <div style="text-align: right;">ReportMonitList</div> TC Control Flags : <div style="text-align: right;">GBM IL DSE --Y -- ---</div> Subsch. ID : 10 Det. descr. : Report current monitoring list, TC(12,8), no appl. data	DC20L170	
38.3		Verify that one or more TM(12,9) have been received		<input type="checkbox"/>
		Verify Packet Reception <div style="text-align: center;">TM 12-9 Current Monitoring List Report</div> Packet Details: <div style="text-align: right;">APID: 16 Type: 12 Subtype: 9 PI1: PI2:</div>	CurMonLstRpt	
TC Seq. Name :HRTHCRN7 (HPS12/7 reconfig) Reconfiguration to HPS7 after failure of HPS12 TimeTag Type: N Sub Schedule ID: <input type="checkbox"/>				
39		Disable the MOT entry for HPS7/12		Next Step: 40
		The monitoring ID / Heater Group allocation being: MonId 57 for GRP7/12		
39.1		Send TC(12,8) to acquire the current monitoring list		<input type="checkbox"/>
		When the CDMU ASW receives this request, it issues one or several reports with the current static contents of the Monitoring List (TM packet type (12,9)). When the dump of TM(12,9) has ended, an Event Report TM(5,1,106,1) indicating the number of reported TM(12,9) shall be issued.		

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
		Execute Telecommand <div style="text-align: right;">ReportMonitList</div> TC Control Flags : <div style="text-align: right;">GBM IL DSE --Y -- ---</div> Subsch. ID : 10 Det. descr. : Report current monitoring list, TC(12,8), no appl. data	DC20L170	
39.2		Verify that one or more TM(12,9) have been received		<input type="checkbox"/>
		Verify Packet Reception <div style="text-align: center;">TM 12-9 Current Monitoring List Report</div> Packet Details: <div style="text-align: right;">APID: 16 Type: 12 Subtype: 9 PI1: PI2:</div>	CurMonLstRpt	
39.3		Arm Disable MOT		<input type="checkbox"/>
		Execute Telecommand <div style="text-align: right;">ArmDisableMon</div> TC Control Flags : <div style="text-align: right;">GBM IL DSE --Y -- ---</div> Subsch. ID : 10 Det. descr. : Arm Disable On Board Monitoring, TC(8,4,106,1)	DC54F170	
39.4		Send TC to disable HPS7 monitoring		<input type="checkbox"/>
		Execute Telecommand <div style="text-align: right;">DisMonitOfParam_Templ</div> Command Parameter(s) : <div style="text-align: right;">N_Repetition DH041170 ParameterId DH042170 MonitorId DH043170</div> TC Control Flags : <div style="text-align: right;">GBM IL DSE --Y -- ---</div> Subsch. ID : 10 Det. descr. : TEMPLATE Disable Monitoring of Parameter, TC(12,2)	DCT27170 1 <dec> (Def) 2160 <dec> 57 <dec>	
39.5		Send TC(12,8) to acquire the current monitoring list		<input type="checkbox"/>

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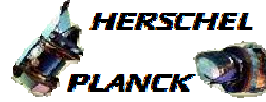
Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
		<p>When the CDMU ASW receives this request, it issues one or several reports with the current static contents of the Monitoring List (TM packet type (12,9)). When the dump of TM(12,9) has ended, an Event Report TM(5,1,106,1) indicating the number of reported TM(12,9) shall be issued.</p>		
		<p>Execute Telecommand</p> <p style="text-align: right;">ReportMonitList</p> <p>TC Control Flags :</p> <p style="text-align: right;">GBM IL DSE --Y -- ---</p> <p>Subsch. ID : 10 Det. descr. : Report current monitoring list, TC(12,8), no appl. data</p>	DC20L170	
40		Disable the EAT entry for HPS 7/12		Next Step: 41
40.1		Send TC(19,6) to acquire the detection list		<input type="checkbox"/>
		<p>Report Event Detection List telecommand is a request for a complete detection list; when this request is received, one or more TM(19,7) are generated.</p>		
		<p>Execute Telecommand</p> <p style="text-align: right;">ReptEvtActTable</p> <p>TC Control Flags :</p> <p style="text-align: right;">GBM IL DSE --Y -- ---</p> <p>Subsch. ID : 10 Det. descr. : TEMPLATE Report The contents of the event/action table TC(19,6)</p>	DCT86170	
40.2		Verify that one or more TM(19,7) have been received		<input type="checkbox"/>
		<p>Verify Packet Reception</p> <p style="text-align: center;">TM 19-7 Event-Action Table Content Report</p> <p>Packet Details:</p> <p style="text-align: right;">APID: 16 Type: 19 Subtype: 7 PI1: PI2:</p>	EvtActTblRpt	
40.3		Send TC to disable HPS 7 EAT entry		<input type="checkbox"/>

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
		Execute Telecommand DisableActions <i>Command Parameter(s) :</i> N_Repetition DH041170 APID_for_EAT_TC DH236170 EventId DH146170 <i>TC Control Flags :</i> GBM IL DSE --Y -- --- <i>Subsch. ID : 10</i> <i>Det. descr. : TEMPLATE Disable Actions TC(19,5)</i>	DCT85170 1 <dec> (Def) CDMS (Def) 8073 <hex>	
40.4		Send TC(19,6) to acquire the detection list		<input type="checkbox"/>
		Report Event Detection List telecommand is a request for a complete detection list; when this request is received, one or more TM(19,7) are generated.		
		Execute Telecommand ReptEvtActTable <i>TC Control Flags :</i> GBM IL DSE --Y -- --- <i>Subsch. ID : 10</i> <i>Det. descr. : TEMPLATE Report The contents of the event/action table TC(19,6)</i>	DCT86170	
40.5		Verify that one or more TM(19,7) have been received		<input type="checkbox"/>
		Verify Packet Reception TM 19-7 Event-Action Table Content Report <i>Packet Details:</i> APID: 16 Type: 19 Subtype: 7 PI1: PI2:	EvtActTblRpt	
41		Switch ON the Redundant HPS7		Next Step: 42
		Execute Telecommand PcdSwOnHps7 <i>TC Control Flags :</i> GBM IL DSE -SY -- --- <i>Subsch. ID : 10</i> <i>Det. descr. : PCDU:TC(8,4,112,5) switch On HPS 7</i>	DCC07170	
42		Switch OFF the Nominal HPS12		Next Step: 43

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
		Execute Telecommand <i>TC Control Flags :</i> Subsch. ID : 10 Det. descr. : PCDU:TC(8,4,112,3) switch Off HPS 12	PCduSwOffHps12 DCD38170	
43		Mark the Nominal GRP12 to Not Failed in UIU Table		Next Step: 44
		Execute Telecommand <i>TC Control Flags :</i> Subsch. ID : 10 Det. descr. : Fdir Mark Failed Unit B HPS12, TC(8,4,116,21)	MarkFailUnitB_Hps12 DC51H170	
43.1		Check successful modification in HK and UIU Table		<input type="checkbox"/>
		Verify Telemetry GRP7_HPS_STS WM42H565	= ON	AND=WAHT2584
		Verify Telemetry GRP12_HPS_STS WM72G565	= OFF	AND=WAHT2584
		Verify Telemetry Hps12FailSts DEG48170	= Failed	(None)
44		Enable MOT entry for HPS7/12		Next Step: END
		The monitoring ID / Heater Group allocation being: MonId 57 for GRP7/12		
44.1		Send TC to enable HPS7/HPS12 monitoring		<input type="checkbox"/>
		Execute Telecommand Command Parameter(s) : N_Repetition DH041170 ParameterId DH042170 MonitorId DH043170 <i>TC Control Flags :</i> Subsch. ID : 10 Det. descr. : TEMPLATE Enable Monitoring of Parameter, TC(12,1)	EnabMonitOfParam_Templ DCT26170 1 <dec> (Def) 2160 <dec> 57 <dec>	

Heater Group reconfiguration from HPS 10-18 to HPS 1-9
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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
44.2		Send TC(12,8) to acquire the current monitoring list		<input type="checkbox"/>
		When the CDMU ASW receives this request, it issues one or several reports with the current static contents of the Monitoring List (TM packet type (12,9)). When the dump of TM(12,9) has ended, an Event Report TM(5,1,106,1) indicating the number of reported TM(12,9) shall be issued.		
		Execute Telecommand <div style="text-align: right;">ReportMonitList</div> TC Control Flags : <div style="text-align: right;">GBM IL DSE --Y -- --</div> Subsch. ID : 10 Det. descr. : Report current monitoring list, TC(12,8), no appl. data	DC20L170	
44.3		Verify that one or more TM(12,9) have been received		<input type="checkbox"/>
		Verify Packet Reception <div style="text-align: center;">TM 12-9 Current Monitoring List Report</div> Packet Details: <div style="text-align: right;">APID: 16 Type: 12 Subtype: 9 PI1: PI2:</div>	CurMonLstRpt	
TC Seq. Name :HRTHCRN8 (HPS11/8 reconfig) Reconfiguration to HPS8 after failure of HPS11 TimeTag Type: N Sub Schedule ID: <input type="checkbox"/>				
45		Disable the MOT entry for HPS8/11		Next Step: 46
		The monitoring ID / Heater Group allocation being: MonId 63 for GRP8/11		
45.1		Send TC(12,8) to acquire the current monitoring list		<input type="checkbox"/>
		When the CDMU ASW receives this request, it issues one or several reports with the current static contents of the Monitoring List (TM packet type (12,9)). When the dump of TM(12,9) has ended, an Event Report TM(5,1,106,1) indicating the number of reported TM(12,9) shall be issued.		

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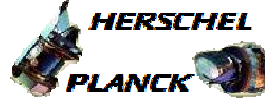
Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
		Execute Telecommand <div style="text-align: right;">ReportMonitList</div> TC Control Flags : <div style="text-align: right;">GBM IL DSE --Y -- ---</div> Subsch. ID : 10 Det. descr. : Report current monitoring list, TC(12,8), no appl. data	DC20L170	
45.2		Verify that one or more TM(12,9) have been received		<input type="checkbox"/>
		Verify Packet Reception <div style="text-align: center;">TM 12-9 Current Monitoring List Report</div> Packet Details: <div style="text-align: right;">APID: 16 Type: 12 Subtype: 9 PI1: PI2:</div>	CurMonLstRpt	
45.3		Arm Disable MOT		<input type="checkbox"/>
		Execute Telecommand <div style="text-align: right;">ArmDisableMon</div> TC Control Flags : <div style="text-align: right;">GBM IL DSE --Y -- ---</div> Subsch. ID : 10 Det. descr. : Arm Disable On Board Monitoring, TC(8,4,106,1)	DC54F170	
45.4		Send TC to disable HPS8 monitoring		<input type="checkbox"/>
		Execute Telecommand <div style="text-align: right;">DisMonitOfParam_Templ</div> Command Parameter(s) : <div style="text-align: right;">N_Repetition DH041170 1 <dec> (Def) ParameterId DH042170 2160 <dec> MonitorId DH043170 63 <dec></div> TC Control Flags : <div style="text-align: right;">GBM IL DSE --Y -- ---</div> Subsch. ID : 10 Det. descr. : TEMPLATE Disable Monitoring of Parameter, TC(12,2)	DCT27170	
45.5		Send TC(12,8) to acquire the current monitoring list		<input type="checkbox"/>

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
		<p>When the CDMU ASW receives this request, it issues one or several reports with the current static contents of the Monitoring List (TM packet type (12,9)). When the dump of TM(12,9) has ended, an Event Report TM(5,1,106,1) indicating the number of reported TM(12,9) shall be issued.</p>		
		<p>Execute Telecommand</p> <p style="text-align: right;">ReportMonitList</p> <p>TC Control Flags :</p> <p style="text-align: right;">GBM IL DSE --Y -- ---</p> <p>Subsch. ID : 10 Det. descr. : Report current monitoring list, TC(12,8), no appl. data</p>	DC20L170	
46		Disable the EAT entry for HPS 8/11		Next Step: 47
46.1		Send TC(19,6) to acquire the detection list		<input type="checkbox"/>
		<p>Report Event Detection List telecommand is a request for a complete detection list; when this request is received, one or more TM(19,7) are generated.</p>		
		<p>Execute Telecommand</p> <p style="text-align: right;">ReptEvtActTable</p> <p>TC Control Flags :</p> <p style="text-align: right;">GBM IL DSE --Y -- ---</p> <p>Subsch. ID : 10 Det. descr. : TEMPLATE Report The contents of the event/action table TC(19,6)</p>	DCT86170	
46.2		Verify that one or more TM(19,7) have been received		<input type="checkbox"/>
		<p>Verify Packet Reception</p> <p style="text-align: center;">TM 19-7 Event-Action Table Content Report</p> <p>Packet Details:</p> <p style="text-align: right;">APID: 16 Type: 19 Subtype: 7 PI1: PI2:</p>	EvtActTblRpt	
46.3		Send TC to disable HPS 8 EAT entry		<input type="checkbox"/>

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
		Execute Telecommand DisableActions Command Parameter(s) : N_Repetition DH041170 APID_for_EAT_TC DH236170 EventId DH146170 TC Control Flags : GBM IL DSE --Y -- --- Subsch. ID : 10 Det. descr. : TEMPLATE Disable Actions TC(19,5)	DCT85170 1 <dec> (Def) CDMS (Def) 8083 <hex>	
46.4		Send TC(19,6) to acquire the detection list		<input type="checkbox"/>
		Report Event Detection List telecommand is a request for a complete detection list; when this request is received, one or more TM(19,7) are generated.		
		Execute Telecommand ReptEvtActTable TC Control Flags : GBM IL DSE --Y -- --- Subsch. ID : 10 Det. descr. : TEMPLATE Report The contents of the event/action table TC(19,6)	DCT86170	
46.5		Verify that one or more TM(19,7) have been received		<input type="checkbox"/>
		Verify Packet Reception TM 19-7 Event-Action Table Content Report Packet Details: APID: 16 Type: 19 Subtype: 7 PI1: PI2:	EvtActTblRpt	
47		Switch ON the Redundant HPS8		Next Step: 48
		Execute Telecommand PcdSwOnHps8 TC Control Flags : GBM IL DSE -SY -- --- Subsch. ID : 10 Det. descr. : PCDU:TC(8,4,112,5) switch On HPS 8	DCC08170	
48		Switch OFF the Nominal HPS11		Next Step: 49

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
		Execute Telecommand PcduswOffHps11 <i>TC Control Flags :</i> GBM IL DSE -M- -- --- Subsch. ID : 10 Det. descr. : PCDU:TC(8,4,112,3) switch Off HPS 11	DCD37170	
49		Mark the Nominal GRP11 to Failed in UIU Table		Next Step: 50
		Execute Telecommand MarkFailUnitB_Hps11 <i>TC Control Flags :</i> GBM IL DSE -E- -- --- Subsch. ID : 10 Det. descr. : Fdir Mark Failed Unit B HPS11, TC(8,4,116,21)	DC52H170	
49.1		Check successful modification in HK and UIU table		<input type="checkbox"/>
		Verify Telemetry GRP8_HPS_STS WM52G565	= ON	AND=WAHT2584
		Verify Telemetry GRP11_HPS_STS WM62H565	= OFF	AND=WAHT2584
		Verify Telemetry Hps11FailSts DEG44170	= Failed	(None)
50		Enable MOT entry for HPS8/11		Next Step: END
		The monitoring ID / Heater Group allocation being: MonId 63 for GRP8/11		
50.1		Send TC to enable HPS8/HPS11 monitoring		<input type="checkbox"/>
		Execute Telecommand EnabMonitOfParam_Templ <i>Command Parameter(s) :</i> N_Repetition DH041170 1 <dec> (Def) ParameterId DH042170 2160 <dec> MonitorId DH043170 63 <dec> <i>TC Control Flags :</i> GBM IL DSE --Y -- --- Subsch. ID : 10 Det. descr. : TEMPLATE Enable Monitoring of Parameter, TC(12,1)	DCT26170	

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
50.2		Send TC(12,8) to acquire the current monitoring list		<input type="checkbox"/>
		When the CDMU ASW receives this request, it issues one or several reports with the current static contents of the Monitoring List (TM packet type (12,9)). When the dump of TM(12,9) has ended, an Event Report TM(5,1,106,1) indicating the number of reported TM(12,9) shall be issued.		
		Execute Telecommand <div style="text-align: right;">ReportMonitList</div> TC Control Flags : <div style="text-align: right;">GBM IL DSE --Y -- --</div> Subsch. ID : 10 Det. descr. : Report current monitoring list, TC(12,8), no appl. data	DC20L170	
50.3		Verify that one or more TM(12,9) have been received		<input type="checkbox"/>
		Verify Packet Reception <div style="text-align: center;">TM 12-9 Current Monitoring List Report</div> Packet Details: <div style="text-align: right;">APID: 16 Type: 12 Subtype: 9 PI1: PI2:</div>	CurMonLstRpt	
TC Seq. Name : HRTHCRN9 (HPS10/9 reconfig) Reconfiguration to HPS9 after failure of HPS10 TimeTag Type: N Sub Schedule ID: <input type="checkbox"/>				
51		Disable the MOT entry for HPS9/10		Next Step: 52
		The monitoring ID / Heater Group allocation being: MonId 69 for GRP9/10		
51.1		Send TC(12,8) to acquire the current monitoring list		<input type="checkbox"/>
		When the CDMU ASW receives this request, it issues one or several reports with the current static contents of the Monitoring List (TM packet type (12,9)). When the dump of TM(12,9) has ended, an Event Report TM(5,1,106,1) indicating the number of reported TM(12,9) shall be issued.		

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
		Execute Telecommand <div style="text-align: right;">ReportMonitList</div> TC Control Flags : <div style="text-align: right;">GBM IL DSE --Y -- ---</div> Subsch. ID : 10 Det. descr. : Report current monitoring list, TC(12,8), no appl. data	DC20L170	
51.2		Verify that one or more TM(12,9) have been received		<input type="checkbox"/>
		Verify Packet Reception <div style="text-align: center;">TM 12-9 Current Monitoring List Report</div> Packet Details: <div style="text-align: right;">APID: 16 Type: 12 Subtype: 9 PI1: PI2:</div>	CurMonLstRpt	
51.3		Arm Disable MOT		<input type="checkbox"/>
		Execute Telecommand <div style="text-align: right;">ArmDisableMon</div> TC Control Flags : <div style="text-align: right;">GBM IL DSE --Y -- ---</div> Subsch. ID : 10 Det. descr. : Arm Disable On Board Monitoring, TC(8,4,106,1)	DC54F170	
51.4		Send TC to disable HPS9 monitoring		<input type="checkbox"/>
		Execute Telecommand <div style="text-align: right;">DisMonitOfParam_Templ</div> Command Parameter(s) : <div style="text-align: right;">N_Repetition DH041170 ParameterId DH042170 MonitorId DH043170</div> TC Control Flags : <div style="text-align: right;">GBM IL DSE --Y -- ---</div> Subsch. ID : 10 Det. descr. : TEMPLATE Disable Monitoring of Parameter, TC(12,2)	DCT27170 1 <dec> (Def) 2074 <dec> 69 <dec>	
51.5		Send TC(12,8) to acquire the current monitoring list		<input type="checkbox"/>

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
		<p>When the CDMU ASW receives this request, it issues one or several reports with the current static contents of the Monitoring List (TM packet type (12,9)). When the dump of TM(12,9) has ended, an Event Report TM(5,1,106,1) indicating the number of reported TM(12,9) shall be issued.</p>		
		<p>Execute Telecommand</p> <p style="text-align: right;">ReportMonitList</p> <p>TC Control Flags :</p> <p style="text-align: right;">GBM IL DSE --Y -- ---</p> <p>Subsch. ID : 10 Det. descr. : Report current monitoring list, TC(12,8), no appl. data</p>	DC20L170	
52		Disable the EAT entry for HPS 9/10		Next Step: 53
52.1		Send TC(19,6) to acquire the detection list		<input type="checkbox"/>
		<p>Report Event Detection List telecommand is a request for a complete detection list; when this request is received, one or more TM(19,7) are generated.</p>		
		<p>Execute Telecommand</p> <p style="text-align: right;">ReptEvtActTable</p> <p>TC Control Flags :</p> <p style="text-align: right;">GBM IL DSE --Y -- ---</p> <p>Subsch. ID : 10 Det. descr. : TEMPLATE Report The contents of the event/action table TC(19,6)</p>	DCT86170	
52.2		Verify that one or more TM(19,7) have been received		<input type="checkbox"/>
		<p>Verify Packet Reception</p> <p style="text-align: center;">TM 19-7 Event-Action Table Content Report</p> <p>Packet Details:</p> <p style="text-align: right;">APID: 16 Type: 19 Subtype: 7 PI1: PI2:</p>	EvtActTblRpt	
52.3		Send TC to disable HPS 9 EAT entry		<input type="checkbox"/>

Heater Group reconfiguration from HPS 10-18 to HPS 1-9
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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
		Execute Telecommand DisableActions Command Parameter(s) : N_Repetition DH041170 APID_for_EAT_TC DH236170 EventId DH146170 TC Control Flags : GBM IL DSE --Y -- --- Subsch. ID : 10 Det. descr. : TEMPLATE Disable Actions TC(19,5)	DCT85170 1 <dec> (Def) CDMS (Def) 8093 <hex>	
52.4		Send TC(19,6) to acquire the detection list		<input type="checkbox"/>
		Report Event Detection List telecommand is a request for a complete detection list; when this request is received, one or more TM(19,7) are generated.		
		Execute Telecommand ReptEvtActTable TC Control Flags : GBM IL DSE --Y -- --- Subsch. ID : 10 Det. descr. : TEMPLATE Report The contents of the event/action table TC(19,6)	DCT86170	
52.5		Verify that one or more TM(19,7) have been received		<input type="checkbox"/>
		Verify Packet Reception TM 19-7 Event-Action Table Content Report Packet Details: APID: 16 Type: 19 Subtype: 7 PI1: PI2:	EvtActTblRpt	
53		Switch ON the Redundant HPS9		Next Step: 54
		Execute Telecommand PcdSwOnHps9 TC Control Flags : GBM IL DSE -SY -- --- Subsch. ID : 10 Det. descr. : PCDU:TC(8,4,112,5) switch On HPS 9	DCC09170	
54		Switch OFF the Nominal HPS10		Next Step: 55

Heater Group reconfiguration from HPS 10-18 to HPS 1-9
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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
		Execute Telecommand <i>TC Control Flags :</i> Subsch. ID : 10 Det. descr. : PCDU:TC(8,4,112,3) switch Off HPS 10	PcduswOffHps10 DCD36170	
55		Mark the Nominal GRP10 to Failed in UIU Table		Next Step: 56
		Execute Telecommand <i>TC Control Flags :</i> Subsch. ID : 10 Det. descr. : Fdir Mark Failed Unit B HPS10, TC(8,4,116,21)	MarkFailUnitB_Hps10 DC53H170	
55.1		Check successful modification in HK and UIU table		<input type="checkbox"/>
		Verify Telemetry GRP9_HPS_STS WM52H565	= ON	AND=WAHT2584
		Verify Telemetry GRP10_HPS_STS WM62G565	= OFF	AND=WAHT2584
		Verify Telemetry Hps10FailSts DEG40170	= Failed	(None)
56		Enable MOT entry for HPS9/10		Next Step: END
		The monitoring ID / Heater Group allocation being: MonId 69 for GRP9/10		
56.1		Send TC to enable HPS9/HPS10 monitoring		<input type="checkbox"/>
		Execute Telecommand Command Parameter(s) : N_Repetition DH041170 ParameterId DH042170 MonitorId DH043170 <i>TC Control Flags :</i> Subsch. ID : 10 Det. descr. : TEMPLATE Enable Monitoring of Parameter, TC(12,1)	EnabMonitOfParam_Templ DCT26170 1 <dec> (Def) 2074 <dec> 69 <dec>	

Heater Group reconfiguration from HPS 10-18 to HPS 1-9
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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
56.2		Send TC(12,8) to acquire the current monitoring list		<input type="checkbox"/>
		<p>When the CDMU ASW receives this request, it issues one or several reports with the current static contents of the Monitoring List (TM packet type (12,9)).</p> <p>When the dump of TM(12,9) has ended, an Event Report TM(5,1,106,1) indicating the number of reported TM(12,9) shall be issued.</p>		
		<p>Execute Telecommand</p> <p style="text-align: right;">ReportMonitList</p> <p>TC Control Flags :</p> <p style="text-align: right;">GBM IL DSE --Y -- --</p> <p>Subsch. ID : 10 Det. descr. : Report current monitoring list, TC(12,8), no appl. data</p>	DC20L170	
56.3		Verify that one or more TM(12,9) have been received		<input type="checkbox"/>
		<p>Verify Packet Reception</p> <p style="text-align: center;">TM 12-9 Current Monitoring List Report</p> <p>Packet Details:</p> <p style="text-align: right;">APID: 16 Type: 12 Subtype: 9 PI1: PI2:</p>	CurMonLstRpt	
End of Procedure				