

Heater Group reconfiguration after failure of the Nominal one  
File: H\_CRP\_TCS\_HCNR.xls  
Author: E. Picallo



## Procedure Summary

### Objectives

This procedure describes the steps to be performed to reconfigure from the failed Nominal group to the Redundant one.

### Summary of Constraints

One heater group is declared as Failed and needs to be reconfigured to the redundant one. Any future on-board reconfiguration of that heater group needs to be disabled.

### Spacecraft Configuration

#### Start of Procedure

CDMU in default configuration;  
Thermal Control Management function active;  
One heater group deemed as failed needs to be reconfigured

#### End of Procedure

CDMU in default configuration;  
Thermal Control Management function active;  
The heater group reconfigured to the Redundant one, the Nominal being marked as Failed in the UIU table.

### Reference File(s)

#### Input Command Sequences

#### Output Command Sequences

HRTHCNR1  
HRTHCNR2  
HRTHCNR3  
HRTHCNR4  
HRTHCNR5  
HRTHCNR6  
HRTHCNR7  
HRTHCNR8  
HRTHCNR9

### Referenced Displays

ANDs	GRDs	SLDs
WAHT1584		
WAHT3584		
ZAZ7K999		
WAHT2584		
ZAZ7L999		

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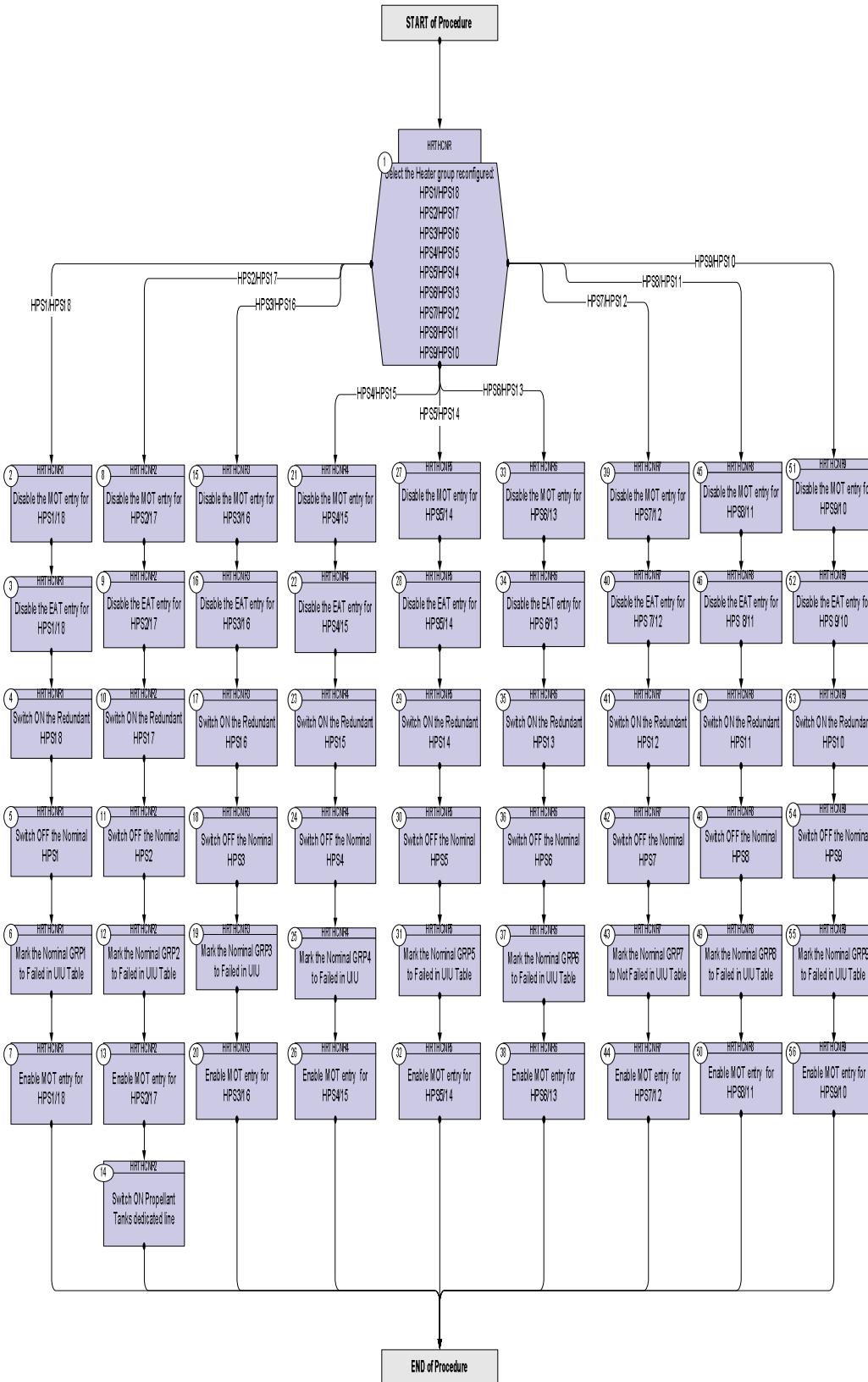
**Configuration Control Information**

DATE	FOP ISSUE	VERSION	MODIFICATION DESCRIPTION	AUTHOR	SPR REF
28/07/08	1	1	Created	E. Picallo	
08/12/08		2	Call to Decontamination CRP deleted	E. Picallo	
09/01/09	2	3	CDMU ASW V3.8 and BSW V2.4 alignment	E. Picallo	
26/02/09	2.1	4	updated according to SIM-17 outcome no disable/re-enable control loops during reconf; first switch ON red HPS, then switch OFF nom HPS and finally mark Fail nom HPS	E. Picallo	
16/03/09	2.2	5	In sequence HRTHCN9 TC MarkFailUnitA_Hps9 corrected	E. Picallo	

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## Procedure Flowchart Overview



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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
<b>Beginning of Procedure</b>				
<p>TC Seq. Name : HRTHCNR (HPS reconfig N to R)            Heater Group reconfiguration after failure of the Nominal one</p> <p>TimeTag Type: N            Sub Schedule ID:</p> <p style="text-align: center;">□</p>				
1		<p>Select the Heater group reconfigured:</p> <p>HPS1/HPS18            HPS2/HPS17            HPS3/HPS16            HPS4/HPS15            HPS5/HPS14            HPS6/HPS13            HPS7/HPS12            HPS8/HPS11            HPS9/HPS10</p>		<p>Next Step:</p> <p>HPS4/HPS15 21            HPS5/HPS14 27            HPS6/HPS13 33            HPS7/HPS12 39            HPS8/HPS11 45            HPS9/HPS10 51            HPS3/HPS16 15            HPS1/HPS18 2            HPS2/HPS17 8</p>
<p>TC Seq. Name : HRTHCNR1 (HPS1/18 recon N to R)            Reconfiguration to HPS18 after failure of HPS1</p> <p>TimeTag Type: N            Sub Schedule ID:</p> <p style="text-align: center;">□</p>				
2		<p>Disable the MOT entry for HPS1/18</p>		<p>Next Step: 3</p>
		<p><b>The monitoring ID / Heater Group allocation being:            Monld 21 for GRP1/18</b></p>		
2.1		<p>Send TC(12,8) to acquire the current monitoring list</p>		□
		<p><b>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.</b></p>		
		<p>Execute Telecommand</p> <p style="text-align: center;"><b>ReportMonitList</b></p> <p>TC Control Flags :</p> <p style="text-align: center;">GBM IL DSE            --Y -- ---</p> <p>Subsch. ID : 10            Det. descr. : Report current monitoring list,            TC(12,8), no appl. data</p>	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 <b>TM 12-9 Current Monitoring List Report</b> Packet Details: <div style="text-align: right;">             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;"><b>ArmDisableMon</b></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	
2.4		Send TC to disable HPS1 monitoring		<input type="checkbox"/>
		Execute Telecommand <div style="text-align: right;"><b>DisMonitOfParam_Templ</b></div> Command Parameter(s) : <div style="text-align: right;"> <b>N_Repetition</b>           DH041170  <b>ParameterId</b>            DH042170  <b>MonitorId</b>              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	
2.5		Send TC(12,8) to acquire the current monitoring list		<input type="checkbox"/>
		<p><b>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)).</b></p> <p><b>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.</b></p>		

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
		Execute Telecommand <p style="text-align: right;"><b>ReportMonitList</b></p> TC Control Flags : <p style="text-align: right;">GBM IL DSE --Y -- ---</p> Subsch. ID : 10 Det. descr. : Report current monitoring list, TC(12,8), no appl. data	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"/>
		<b>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.</b>		
		Execute Telecommand <p style="text-align: right;"><b>ReptEvtActTable</b></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	
3.2		Verify that one or more TM(19,7) have been received		<input type="checkbox"/>
		Verify Packet Reception <b>TM 19-7 Event-Action Table Content Report</b> Packet Details: <p style="text-align: right;">APID: 16 Type: 19 Subtype: 7 PI1: PI2:</p>	EvtActTblRpt	
3.3		Send TC to disable HPS1 EAT entry		<input type="checkbox"/>
		Execute Telecommand <p style="text-align: right;"><b>DisableActions</b></p> Command Parameter(s) : <p style="text-align: right;">N_Repetition DH041170 1 &lt;dec&gt; (Def) APID_for_EAT_TC DH236170 CDMS (Def) EventId DH146170 8013 &lt;hex&gt;</p> TC Control Flags : <p style="text-align: right;">GBM IL DSE --Y -- ---</p> Subsch. ID : 10 Det. descr. : TEMPLATE Disable Actions TC(19,5)	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"/>
		<b>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.</b>		
		Execute Telecommand <p style="text-align: right;"><b>ReptEvtActTable</b></p> <i>TC Control Flags :</i> <p style="text-align: right;"><b>GBM IL DSE</b>  <b>--Y -- ---</b></p> <i>Subsch. ID : 10</i> <i>Det. descr. : TEMPLATE Report The contents of the event/action table TC(19,6)</i>	DCT86170	
3.5		Verify that one or more TM(19,7) have been received		<input type="checkbox"/>
		Verify Packet Reception <b>TM 19-7 Event-Action Table Content Report</b> <i>Packet Details:</i> <p style="text-align: right;"><b>APID: 16</b>  <b>Type: 19</b>  <b>Subtype: 7</b>  <b>PI1:</b>  <b>PI2:</b></p>	EvtActTblRpt	
4		Switch ON the Redundant HPS18		Next Step: 5
		Execute Telecommand <p style="text-align: right;"><b>PcduswOnHps18</b></p> <i>TC Control Flags :</i> <p style="text-align: right;"><b>GBM IL DSE</b>  <b>-SY -- ---</b></p> <i>Subsch. ID : 10</i> <i>Det. descr. : PCDU:TC(8,4,112,5) switch On HPS 18</i>	DCC18170	
5		Switch OFF the Nominal HPS1		Next Step: 6
		Execute Telecommand <p style="text-align: right;"><b>PcduswOffHps1</b></p> <i>TC Control Flags :</i> <p style="text-align: right;"><b>GBM IL DSE</b>  <b>-M- -- ---</b></p> <i>Subsch. ID : 10</i> <i>Det. descr. : PCDU:TC(8,4,112,3) switch Off HPS 1</i>	DCD27170	
6		Mark the Nominal GRP1 to Failed in UIU Table		Next Step: 7

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
		Execute Telecommand  <div style="text-align: right;"><b>MarkFailUnitA_Hps1</b></div> TC Control Flags :  <div style="text-align: right;">GBM IL DSE -E- - - - -</div> Subsch. ID : 10 Det. descr. : Fdir Mark Failed Unit A HPS1, TC(8,4,116,21)	DC19H170	
6.1		Check successful modification in HK and in the UIU table		<input type="checkbox"/>
		Verify Telemetry  <div style="text-align: right;"><b>GRP1_HPS_STS</b>                      <b>WM12G565</b></div>	= OFF	AND=WAHT1584
		Verify Telemetry  <div style="text-align: right;"><b>GRP18_HPS_STS</b>                      <b>WMA2G565</b></div>	= ON	AND=WAHT3584
		Verify Telemetry  <div style="text-align: right;"><b>Hps1FailSts</b>                      <b>DEG76170</b></div>	= Failed	AND=ZAZ7K999
7		Enable MOT entry for HPS1/18		Next Step: END
		<b>The monitoring ID / Heater Group allocation being: MonId 21 for GRP1/18</b>		
7.1		Send TC to enable HPS1/HPS18 monitoring		<input type="checkbox"/>
		Execute Telecommand  <div style="text-align: right;"><b>EnabMonitOfParam_Templ</b></div> Command Parameter(s) : <div style="text-align: right;"> <b>N_Repetition</b>                      <b>DH041170</b>  <b>ParameterId</b>                      <b>DH042170</b>  <b>MonitorId</b>                      <b>DH043170</b> </div> TC Control Flags :  <div style="text-align: right;">GBM IL DSE --Y - - - -</div> Subsch. ID : 10 Det. descr. : TEMPLATE Enable Monitoring of Parameter, TC(12,1)	DCT26170	
7.2		Send TC(12,8) to acquire the current monitoring list		<input type="checkbox"/>
		<b>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.</b>		



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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
		Execute Telecommand  <div style="text-align: right;"><b>ReportMonitList</b></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	
7.3		Verify that one or more TM(12,9) have been received		<input type="checkbox"/>
		Verify Packet Reception <div style="text-align: center;"><b>TM 12-9 Current Monitoring List Report</b></div> Packet Details:  <div style="text-align: right;">APID: 16 Type: 12 Subtype: 9 PI1: PI2:</div>	CurMonLstRpt	
TC Seq. Name :HRTHCNR2 (HPS2/17 recon N to R) Reconfiguration to HPS17 after failure of HPS2  TimeTag Type: N Sub Schedule ID:  <input type="checkbox"/>				
8		Disable the MOT entry for HPS2/17		Next Step: 9
		<b>The monitoring ID / Heater Group allocation being: MonId 27 for GRP2/17</b>		
8.1		Send TC(12,8) to acquire the current monitoring list		<input type="checkbox"/>
		<b>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.</b>		
		Execute Telecommand  <div style="text-align: right;"><b>ReportMonitList</b></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
8.2		Verify that one or more TM(12,9) have been received		<input type="checkbox"/>
		Verify Packet Reception <b>TM 12-9 Current Monitoring List Report</b> 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;"><b>ArmDisableMon</b></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;"><b>DisMonitOfParam_Templ</b></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"/>
		<b>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)).</b> <b>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.</b>		

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
		Execute Telecommand  <div style="text-align: right;"><b>ReportMonitList</b></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	
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"/>
		<b>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.</b>		
		Execute Telecommand  <div style="text-align: right;"><b>ReptEvtActTable</b></div> TC Control Flags :  Subsch. ID : 10 Det. descr. : TEMPLATE Report The contents of the event/action table TC(19,6)  <div style="text-align: right;">GBM IL DSE --Y -- ---</div>	DCT86170	
9.2		Verify that one or more TM(19,7) have been received		<input type="checkbox"/>
		Verify Packet Reception <b>TM 19-7 Event-Action Table Content Report</b> Packet Details:  <div style="text-align: right;">APID: 16 Type: 19 Subtype: 7 PI1: PI2:</div>	EvtActTblRpt	
9.3		Send TC to disable HPS2 EAT entry		<input type="checkbox"/>
		Execute Telecommand  <div style="text-align: right;"><b>DisableActions</b></div> Command Parameter(s) : <div style="text-align: right;">N_Repetition DH041170 1 &lt;dec&gt; (Def) APID_for_EAT_TC DH236170 CDMS (Def) EventId DH146170 8023 &lt;hex&gt;</div> TC Control Flags :  Subsch. ID : 10 Det. descr. : TEMPLATE Disable Actions TC(19,5)  <div style="text-align: right;">GBM IL DSE --Y -- ---</div>	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"/>
		<b>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.</b>		
		Execute Telecommand <p style="text-align: right;"><b>ReptEvtActTable</b></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 <b>TM 19-7 Event-Action Table Content Report</b> Packet Details: <p style="text-align: right;">APID: 16  Type: 19  Subtype: 7  PI1:  PI2:</p>	EvtActTblRpt	
10		Switch ON the Redundant HPS17		Next Step: 11
		Execute Telecommand <p style="text-align: right;"><b>PcduswOnHps17</b></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 17	DCC17170	
11		Switch OFF the Nominal HPS2		Next Step: 12
		Execute Telecommand <p style="text-align: right;"><b>PcduswOffHps2</b></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 2	DCD28170	
12		Mark the Nominal GRP2 to Failed in UIU Table		Next Step: 13

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
		Execute Telecommand  <div style="text-align: right;"><b>MarkFailUnitA_Hps2</b></div> TC Control Flags :  <div style="text-align: right;">GBM IL DSE -E- - - - -</div> Subsch. ID : 10 Det. descr. : Fdir Mark Failed Unit A HPS2, TC(8,4,116,21)	DC20H170	
12.1		Check successful modification in HK and UIU table		<input type="checkbox"/>
		Verify Telemetry  <div style="text-align: right;">GRP2_HPS_STS                      WM22G565</div>	= OFF	AND=WAHT1584
		Verify Telemetry  <div style="text-align: right;">GRP17_HPS_STS                      WM92H565</div>	= ON	AND=WAHT3584
		Verify Telemetry  <div style="text-align: right;">Hps2FailSts                      DEG80170</div>	= Failed	AND=ZAZ7K999
13		Enable MOT entry for HPS2/17		Next Step: 14
		<b>The monitoring ID / Heater Group allocation being: Mond1 27 for GRP2/17</b>		
13.1		Send TC to enable HPS2/HPS17 monitoring		<input type="checkbox"/>
		Execute Telecommand  <div style="text-align: right;"><b>EnabMonitOfParam_Templ</b></div> Command Parameter(s) : <div style="text-align: right;">N_Repetition                      DH041170                      1 &lt;dec&gt; (Def)              ParameterId                      DH042170                      2071 &lt;dec&gt;              MonitorId                      DH043170                      27 &lt;dec&gt;</div> TC Control Flags :  <div style="text-align: right;">GBM IL DSE --Y - - - - -</div> Subsch. ID : 10 Det. descr. : TEMPLATE Enable Monitoring of Parameter, TC(12,1)	DCT26170	
13.2		Send TC(12,8) to acquire the current monitoring list		<input type="checkbox"/>
		<b>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.</b>		

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
		Execute Telecommand  <div style="text-align: right;"><b>ReportMonitList</b></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	
13.3		Verify that one or more TM(12,9) have been received		<input type="checkbox"/>
		Verify Packet Reception <div style="text-align: center;"><b>TM 12-9 Current Monitoring List Report</b></div> Packet Details:  <div style="text-align: right;">APID: 16 Type: 12 Subtype: 9 PI1: PI2:</div>	CurMonLstRpt	
14		Switch ON Propellant Tanks dedicated line		Next Step: END
		Execute Telecommand  <div style="text-align: right;"><b>SwOn_tanks_G17H6</b></div> TC Control Flags :  <div style="text-align: right;">GBM IL DSE --Y -- --</div> Subsch. ID : 10 Det. descr. : PCDU:TC(8,4,112,5) switch On Tanks Group 17 HCS 6	DCD20170	
		Verify Telemetry  <div style="text-align: right;"><b>tanks_G17H6_S                      WM91M565</b></div>	= ON	AND=WAHT3584
TC Seq. Name : HRTHCNR3 (HPS3/16 recon N to R) Reconfiguration to HPS16 after failure of HPS3  TimeTag Type: N Sub Schedule ID:  <input type="checkbox"/>				
15		Disable the MOT entry for HPS3/16		Next Step: 16
		<b>The monitoring ID / Heater Group allocation being: MonId 33 for GRP3/16</b>		
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><b>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)).</b>  <b>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.</b></p>		
		<p>Execute Telecommand</p> <p style="text-align: right;"><b>ReportMonitList</b></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;"><b>TM 12-9 Current Monitoring List Report</b></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;"><b>ArmDisableMon</b></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;"><b>DisMonitOfParam_Templ</b></p> <p>Command Parameter(s) :</p> <p style="text-align: right;">N_Repetition DH041170            ParameterId DH042170            MonitorId DH043170</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>	<p>DCT27170</p> <p>1 &lt;dec&gt; (Def)            2072 &lt;dec&gt;            33 &lt;dec&gt;</p>	

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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"/>
		<b>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.</b>		
		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"/>
		<b>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.</b>		
		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 <b>TM 19-7 Event-Action Table Content Report</b> 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  <b>DisableActions</b>  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) 8033 <hex>	
16.4		Send TC(19,6) to acquire the detection list		<input type="checkbox"/>
		<b>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.</b>		
		Execute Telecommand  <b>ReptEvtActTable</b>  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	
16.5		Verify that one or more TM(19,7) have been received		<input type="checkbox"/>
		Verify Packet Reception <b>TM 19-7 Event-Action Table Content Report</b> Packet Details: APID:      16 Type:       19 Subtype:   7 PI1: PI2:	EvtActTblRpt	
17		Switch ON the Redundant HPS16		Next Step: 18
		Execute Telecommand  <b>PcdSwOnHps16</b>  TC Control Flags : GBM IL DSE -SY -- ---  Subsch. ID : 10 Det. descr. : PCDU:TC(8,4,112,5) switch On HPS 16	DCC16170	
18		Switch OFF the Nominal HPS3		Next Step: 19

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
		Execute Telecommand  PcduSwOffHps3  TC Control Flags :  Subsch. ID : 10 Det. descr. : PCDU:TC(8,4,112,3) switch Off HPS 3  GBM IL DSE -M- - - - -	DCD29170	
19		Mark the Nominal GRP3 to Failed in UIU		Next Step: 20
		Execute Telecommand  MarkFailUnitA_Hps3  TC Control Flags :  Subsch. ID : 10 Det. descr. : Fdir Mark Failed Unit A HPS3, TC(8,4,116,21)  GBM IL DSE -E- - - - -	DC21H170	
19.1		Check successful modification in HK and UIU table		<input type="checkbox"/>
		Verify Telemetry  GRP3_HPS_STS                      WM22H565	= OFF	AND=WAHT1584
		Verify Telemetry  GRP16_HPS_STS                      WM92G565	= ON	AND=WAHT3584
		Verify Telemetry  Hps3FailSts                      DEG84170	= Failed	AND=ZAZ7K999
20		Enable MOT entry for HPS3/16		Next Step: END
		<b>The monitoring ID / Heater Group allocation being: MonId 33 for GRP3/16</b>		
20.1		Send TC to enable HPS3/HPS16 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) 2072 <dec> 33 <dec>	

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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"/>
		<b>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.</b>		
		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 :HRTHCNR4 (HPS4/15 recon N to R) Reconfiguration to HPS15 after failure of HPS4  TimeTag Type: N Sub Schedule ID:  <input type="checkbox"/>				
21		Disable the MOT entry for HPS4/15		Next Step: 22
		<b>The monitoring ID / Heater Group allocation being: MonId 39 for GRP4/15</b>		
21.1		Send TC(12,8) to acquire the current monitoring list		<input type="checkbox"/>
		<b>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.</b>		

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
		Execute Telecommand  <div style="text-align: right;"><b>ReportMonitList</b></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;"><b>TM 12-9 Current Monitoring List Report</b></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;"><b>ArmDisableMon</b></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;"><b>DisMonitOfParam_Templ</b></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><b>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)).</b>  <b>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.</b></p>		
		<p>Execute Telecommand</p> <p style="text-align: right;"><b>ReportMonitList</b></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><b>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.</b></p>		
		<p>Execute Telecommand</p> <p style="text-align: right;"><b>ReptEvtActTable</b></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;"><b>TM 19-7 Event-Action Table Content Report</b></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  <b>DisableActions</b>  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"/>
		<b>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.</b>		
		Execute Telecommand  <b>ReptEvtActTable</b>  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 <b>TM 19-7 Event-Action Table Content Report</b> Packet Details: APID:      16 Type:       19 Subtype:   7 PI1: PI2:	EvtActTblRpt	
23		Switch ON the Redundant HPS15		Next Step: 24
		Execute Telecommand  <b>PcdSwOnHps15</b>  TC Control Flags : GBM IL DSE -SY -- ---  Subsch. ID : 10 Det. descr. : PCDU:TC(8,4,112,5) switch On HPS 15	DCC15170	
24		Switch OFF the Nominal HPS4		Next Step: 25

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
		Execute Telecommand  PcdSwOffHps4  <i>TC Control Flags :</i>  Subsch. ID : 10 Det. descr. : PCDU:TC(8,4,112,3) switch Off HPS 4  GBM IL DSE -M- -- ---	DCD30170	
25		Mark the Nominal GRP4 to Failed in UIU		Next Step: 26
		Execute Telecommand  MarkFailUnitA_Hps4  <i>TC Control Flags :</i>  Subsch. ID : 10 Det. descr. : Fdir Mark Failed Unit A HPS4, TC(8,4,116,21)  GBM IL DSE -E- -- ---	DC22H170	
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  Hps4FailSts                      DEG88170	= Not_Failed	AND=ZAZ7K999
26		Enable MOT entry for HPS4/15		Next Step: END
		<b>The monitoring ID / Heater Group allocation being: MonId 39 for GRP4/15</b>		
26.1		Send TC to enable HPS4/HPS15 monitoring		<input type="checkbox"/>
		Execute Telecommand  EnabMonitOfParam_Templ  <i>Command Parameter(s) :</i> 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)  GBM IL DSE --Y -- ---	DCT26170  1 <dec> (Def) 2072 <dec> 39 <dec>	

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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"/>
		<b>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.</b>		
		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 : HRTHCNR5 (HPS5/14 recon N to R) Reconfiguration to HPS14 after failure of HPS5  TimeTag Type: N Sub Schedule ID:  <input type="checkbox"/>				
27		Disable the MOT entry for HPS5/14		Next Step: 28
		<b>The monitoring ID / Heater Group allocation being: MonId 45 for GRP5/14</b>		
27.1		Send TC(12,8) to acquire the current monitoring list		<input type="checkbox"/>
		<b>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.</b>		



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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
		Execute Telecommand  <div style="text-align: right;"><b>ReportMonitList</b></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;"><b>TM 12-9 Current Monitoring List Report</b></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;"><b>ArmDisableMon</b></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;"><b>DisMonitOfParam_Templ</b></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><b>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)).</b>  <b>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.</b></p>		
		<p>Execute Telecommand</p> <p style="text-align: right;"><b>ReportMonitList</b></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><b>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.</b></p>		
		<p>Execute Telecommand</p> <p style="text-align: right;"><b>ReptEvtActTable</b></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;"><b>TM 19-7 Event-Action Table Content Report</b></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  <b>DisableActions</b>  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"/>
		<b>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.</b>		
		Execute Telecommand  <b>ReptEvtActTable</b>  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 <b>TM 19-7 Event-Action Table Content Report</b> Packet Details: APID:      16 Type:       19 Subtype:   7 PI1: PI2:	EvtActTblRpt	
29		Switch ON the Redundant HPS14		Next Step: 30
		Execute Telecommand  <b>PcdSwOnHps14</b>  TC Control Flags : GBM IL DSE -SY -- ---  Subsch. ID : 10 Det. descr. : PCDU:TC(8,4,112,5) switch On HPS 14	DCC14170	
30		Switch OFF the Nominal HPS5		Next Step: 31

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
		Execute Telecommand  PcduSwOffHps5  TC Control Flags :  Subsch. ID : 10 Det. descr. : PCDU:TC(8,4,112,3) switch Off HPS 5  GBM IL DSE -M- -- ---	DCD31170	
31		Mark the Nominal GRP5 to Failed in UIU Table		Next Step: 32
		Execute Telecommand  MarkFailUnitA_Hps5  TC Control Flags :  Subsch. ID : 10 Det. descr. : Fdir Mark Failed Unit A HPS5, TC(8,4,116,21)  GBM IL DSE -E- -- ---	DC23H170	
31.1		Check successful modification in HK and UIU table		<input type="checkbox"/>
		Verify Telemetry  GRP5_HPS_STS WM32H565	= OFF	AND=WAHT1584
		Verify Telemetry  GRP14_HPS_STS WM82G565	= ON	AND=WAHT3584
		Verify Telemetry  Hps5FailSts DEG92170	= Failed	AND=ZAZ7K999
32		Enable MOT entry for HPS5/14		Next Step: END
		<b>The monitoring ID / Heater Group allocation being: MonId 45 for GRP5/14</b>		
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"/>
		<b>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.</b>		
		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 TM 12-9 Current Monitoring List Report Packet Details:  <div style="text-align: right;">APID: 16 Type: 12 Subtype: 9 PI1: PI2:</div>	CurMonLstRpt	
TC Seq. Name :HRTHCNR6 (HPS6/13 recon N to R) Reconfiguration to HPS13 after failure of HPS6  TimeTag Type: N Sub Schedule ID:  <input type="checkbox"/>				
33		Disable the MOT entry for HPS6/13		Next Step: 34
		<b>The monitoring ID / Heater Group allocation being: MonId 51 for GRP6/13</b>		
33.1		Send TC(12,8) to acquire the current monitoring list		<input type="checkbox"/>
		<b>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.</b>		

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
		Execute Telecommand  <div style="text-align: right;"><b>ReportMonitList</b></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;"><b>TM 12-9 Current Monitoring List Report</b></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;"><b>ArmDisableMon</b></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;"><b>DisMonitOfParam_Templ</b></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><b>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)).</b>  <b>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.</b></p>		
		<p>Execute Telecommand</p> <p style="text-align: right;"><b>ReportMonitList</b></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><b>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.</b></p>		
		<p>Execute Telecommand</p> <p style="text-align: right;"><b>ReptEvtActTable</b></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;"><b>TM 19-7 Event-Action Table Content Report</b></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  <b>DisableActions</b>  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"/>
		<b>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.</b>		
		Execute Telecommand  <b>ReptEvtActTable</b>  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 <b>TM 19-7 Event-Action Table Content Report</b> Packet Details:  APID:      16 Type:      19 Subtype:   7 PI1: PI2:	EvtActTblRpt	
35		Switch ON the Redundant HPS13		Next Step: 36
		Execute Telecommand  <b>PcdSwOnHps13</b>  TC Control Flags :  GBM IL DSE -SY -- ---  Subsch. ID : 10 Det. descr. : PCDU:TC(8,4,112,5) switch On HPS 13	DCC13170	
36		Switch OFF the Nominal HPS6		Next Step: 37



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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
		Execute Telecommand  PcdSwOffHps6  TC Control Flags :  Subsch. ID : 10 Det. descr. : PCDU:TC(8,4,112,3) switch Off HPS 6  GBM IL DSE -M- -- ---	DCD32170	
37		Mark the Nominal GRP6 to Failed in UIU Table		Next Step: 38
		Execute Telecommand  MarkFailUnitA_Hps6  TC Control Flags :  Subsch. ID : 10 Det. descr. : Fdir Mark Failed Unit A HPS6, TC(8,4,116,21)  GBM IL DSE -E- -- ---	DC24H170	
37.1		Check successful modification in HK and UIU table		<input type="checkbox"/>
		Verify Telemetry  GRP6_HPS_STS                      WM42G565	= OFF	AND=WAHT1584
		Verify Telemetry  GRP13_HPS_STS                      WM72H565	= ON	AND=WAHT3584
		Verify Telemetry  Hps6FailSts                      DEG96170	= Failed	AND=ZAZ7K999
38		Enable MOT entry for HPS6/13		Next Step: END
		<b>The monitoring ID / Heater Group allocation being: MonId 51 for GRP6/13</b>		
38.1		Send TC to enable HPS6/HPS13 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> 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"/>
		<b>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.</b>		
		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 <b>TM 12-9 Current Monitoring List Report</b> Packet Details:  <div style="text-align: right;">APID: 16 Type: 12 Subtype: 9 PI1: PI2:</div>	CurMonLstRpt	
TC Seq. Name :HRTHCN7 (HPS7/12 recon N to R) Reconfiguration to HPS12 after failure of HPS7  TimeTag Type: N Sub Schedule ID:  <input type="checkbox"/>				
39		Disable the MOT entry for HPS7/12		Next Step: 40
		<b>The monitoring ID / Heater Group allocation being: MonId 57 for GRP7/12</b>		
39.1		Send TC(12,8) to acquire the current monitoring list		<input type="checkbox"/>
		<b>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.</b>		

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
		Execute Telecommand  <div style="text-align: right;"><b>ReportMonitList</b></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;"><b>TM 12-9 Current Monitoring List Report</b></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;"><b>ArmDisableMon</b></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;"><b>DisMonitOfParam_Templ</b></div> Command Parameter(s) : <div style="text-align: right;">N_Repetition DH041170 1 &lt;dec&gt; (Def) ParameterId DH042170 2160 &lt;dec&gt; MonitorId DH043170 57 &lt;dec&gt;</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	
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><b>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)).</b>  <b>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.</b></p>		
		<p>Execute Telecommand</p> <p style="text-align: right;"><b>ReportMonitList</b></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><b>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.</b></p>		
		<p>Execute Telecommand</p> <p style="text-align: right;"><b>ReptEvtActTable</b></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;"><b>TM 19-7 Event-Action Table Content Report</b></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  <b>DisableActions</b>  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) 8073 <hex>	
40.4		Send TC(19,6) to acquire the detection list		<input type="checkbox"/>
		<b>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.</b>		
		Execute Telecommand  <b>ReptEvtActTable</b>  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	
40.5		Verify that one or more TM(19,7) have been received		<input type="checkbox"/>
		Verify Packet Reception <b>TM 19-7 Event-Action Table Content Report</b> Packet Details: APID:      16 Type:       19 Subtype:   7 PI1: PI2:	EvtActTblRpt	
41		Switch ON the Redundant HPS12		Next Step: 42
		Execute Telecommand  <b>PcdSwOnHps12</b>  TC Control Flags : GBM IL DSE -SY -- ---  Subsch. ID : 10 Det. descr. : PCDU:TC(8,4,112,5) switch On HPS 12	DCC12170	
42		Switch OFF the Nominal HPS7		Next Step: 43

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
		Execute Telecommand  PcduSwOffHps7  TC Control Flags :  Subsch. ID : 10 Det. descr. : PCDU:TC(8,4,112,3) switch Off HPS 7  GBM IL DSE -M- - - - -	DCD33170	
43		Mark the Nominal GRP7 to Not Failed in UIU Table		Next Step: 44
		Execute Telecommand  MarkFailUnitA_Hps7  TC Control Flags :  Subsch. ID : 10 Det. descr. : Fdir Mark Failed Unit A HPS7, TC(8,4,116,21)  GBM IL DSE -E- - - - -	DC25H170	
43.1		Check successful modification in HK and UIU Table		<input type="checkbox"/>
		Verify Telemetry  GRP7_HPS_STS WM42H565	= OFF	AND=WAHT2584
		Verify Telemetry  GRP12_HPS_STS WM72G565	= ON	AND=WAHT2584
		Verify Telemetry  Hps7FailSts DEH00170	= Failed	AND=ZAZ7K999
44		Enable MOT entry for HPS7/12		Next Step: END
		<b>The monitoring ID / Heater Group allocation being: MonId 57 for GRP7/12</b>		
44.1		Send TC to enable HPS7/HPS12 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) 2160 <dec> 57 <dec>	

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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"/>
		<b>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.</b>		
		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 TM 12-9 Current Monitoring List Report Packet Details:  <div style="text-align: right;">APID: 16 Type: 12 Subtype: 9 PI1: PI2:</div>	CurMonLstRpt	
TC Seq. Name :HRTHCNR8 (HPS8/11 recon N to R) Reconfiguration to HPS11 after failure of HPS8  TimeTag Type: N Sub Schedule ID:  <input type="checkbox"/>				
45		Disable the MOT entry for HPS8/11		Next Step: 46
		<b>The monitoring ID / Heater Group allocation being: MonId 63 for GRP8/11</b>		
45.1		Send TC(12,8) to acquire the current monitoring list		<input type="checkbox"/>
		<b>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.</b>		

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
		Execute Telecommand  <div style="text-align: right;"><b>ReportMonitList</b></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;"><b>TM 12-9 Current Monitoring List Report</b></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;"><b>ArmDisableMon</b></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;"><b>DisMonitOfParam_Templ</b></div> Command Parameter(s) : <div style="text-align: right;">N_Repetition DH041170 1 &lt;dec&gt; (Def) ParameterId DH042170 2160 &lt;dec&gt; MonitorId DH043170 63 &lt;dec&gt;</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><b>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)).</b>  <b>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.</b></p>		
		<p>Execute Telecommand</p> <p style="text-align: right;"><b>ReportMonitList</b></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><b>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.</b></p>		
		<p>Execute Telecommand</p> <p style="text-align: right;"><b>ReptEvtActTable</b></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;"><b>TM 19-7 Event-Action Table Content Report</b></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  <b>DisableActions</b>  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"/>
		<b>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.</b>		
		Execute Telecommand  <b>ReptEvtActTable</b>  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 <b>TM 19-7 Event-Action Table Content Report</b> Packet Details: APID:      16 Type:       19 Subtype:   7 PI1: PI2:	EvtActTblRpt	
47		Switch ON the Redundant HPS11		Next Step: 48
		Execute Telecommand  <b>PcdSwOnHps11</b>  TC Control Flags : GBM IL DSE -SY -- ---  Subsch. ID : 10 Det. descr. : PCDU:TC(8,4,112,5) switch On HPS 11	DCC11170	
48		Switch OFF the Nominal HPS8		Next Step: 49

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
		Execute Telecommand  PcduSwOffHps8  TC Control Flags :  Subsch. ID : 10 Det. descr. : PCDU:TC(8,4,112,3) switch Off HPS 8  GBM IL DSE -M- -- ---	DCD34170	
49		Mark the Nominal GRP8 to Failed in UIU Table		Next Step: 50
		Execute Telecommand  MarkFailUnitA_Hps8  TC Control Flags :  Subsch. ID : 10 Det. descr. : Fdir Mark Failed Unit A HPS8, TC(8,4,116,21)  GBM IL DSE -E- -- ---	DC26H170	
49.1		Check successful modification in HK and UIU table		<input type="checkbox"/>
		Verify Telemetry  GRP8_HPS_STS                      WM52G565	= OFF	AND=WAHT2584
		Verify Telemetry  GRP11_HPS_STS                      WM62H565	= ON	AND=WAHT2584
		Verify Telemetry  Hps8FailSts                      DEH04170	= Failed	AND=ZAZ7K999
50		Enable MOT entry for HPS8/11		Next Step: END
		<b>The monitoring ID / Heater Group allocation being: MonId 63 for GRP8/11</b>		
50.1		Send TC to enable HPS8/HPS11 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) 2160 <dec> 63 <dec>	

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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"/>
		<b>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.</b>		
		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 TM 12-9 Current Monitoring List Report Packet Details:  <div style="text-align: right;">APID: 16 Type: 12 Subtype: 9 PI1: PI2:</div>	CurMonLstRpt	
TC Seq. Name :HRTHCN9 (HPS9/10 recon N to R) Reconfiguration to HPS10 after failure of HPS9  TimeTag Type: N Sub Schedule ID:  <input type="checkbox"/>				
51		Disable the MOT entry for HPS9/10		Next Step: 52
		<b>The monitoring ID / Heater Group allocation being: MonId 69 for GRP9/10</b>		
51.1		Send TC(12,8) to acquire the current monitoring list		<input type="checkbox"/>
		<b>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.</b>		

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
		Execute Telecommand  <div style="text-align: right;"><b>ReportMonitList</b></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;"><b>TM 12-9 Current Monitoring List Report</b></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;"><b>ArmDisableMon</b></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;"><b>DisMonitOfParam_Templ</b></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><b>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)).</b>  <b>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.</b></p>		
		<p>Execute Telecommand</p> <p style="text-align: right;"><b>ReportMonitList</b></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><b>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.</b></p>		
		<p>Execute Telecommand</p> <p style="text-align: right;"><b>ReptEvtActTable</b></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;"><b>TM 19-7 Event-Action Table Content Report</b></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"/>

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
		Execute Telecommand  <b>DisableActions</b>  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"/>
		<b>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.</b>		
		Execute Telecommand  <b>ReptEvtActTable</b>  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 <b>TM 19-7 Event-Action Table Content Report</b> Packet Details: APID:      16 Type:      19 Subtype:   7 PI1: PI2:	EvtActTblRpt	
53		Switch ON the Redundant HPS10		Next Step: 54
		Execute Telecommand  <b>PcdSwOnHps10</b>  TC Control Flags : GBM IL DSE -SY -- ---  Subsch. ID : 10 Det. descr. : PCDU:TC(8,4,112,5) switch On HPS 10	DCC10170	
54		Switch OFF the Nominal HPS9		Next Step: 55

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
		Execute Telecommand  PcdSwOffHps9  TC Control Flags :  Subsch. ID : 10 Det. descr. : PCDU:TC(8,4,112,3) switch Off HPS 9  GBM IL DSE -M- -- ---	DCD35170	
55		Mark the Nominal GRP9 to Failed in UIU Table		Next Step: 56
		Execute Telecommand  MarkFailUnitA_Hps9  TC Control Flags :  Subsch. ID : 10 Det. descr. : Fdir Mark Failed Unit A HPS9, TC(8,4,116,21)  GBM IL DSE -E- -- ---	DC27H170	
55.1		Check successful modification in HK and UIU table		<input type="checkbox"/>
		Verify Telemetry  GRP9_HPS_STS                      WM52H565	= OFF	AND=WAHT2584
		Verify Telemetry  GRP10_HPS_STS                      WM62G565	= ON	AND=WAHT2584
		Verify Telemetry  Hps9FailSts                      DEH08170	= Failed	AND=ZAZ7L999
56		Enable MOT entry for HPS9/10		Next Step: END
		<b>The monitoring ID / Heater Group allocation being: MonId 69 for GRP9/10</b>		
56.1		Send TC to enable HPS9/HPS10 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) 2074 <dec> 69 <dec>	



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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><b>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)).</b></p> <p><b>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.</b></p>		
		<p>Execute Telecommand</p> <p style="text-align: right;"><b>ReportMonitList</b></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;"><b>TM 12-9 Current Monitoring List Report</b></p> <p>Packet Details:</p> <p style="text-align: right;">APID: 16            Type: 12            Subtype: 9            PI1:            PI2:</p>	CurMonLstRpt	
<b>End of Procedure</b>				