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 Author: dsalt-hp



## Procedure Summary

### Objectives

Ground POWER ON procedure for HERSCHEL ACC. To be used in conjunction with the CDMU POWER ON procedure.

### Summary of Constraints

CDMU POWER ON procedure must have been run first.

### Spacecraft Configuration

#### Start of Procedure

Spacecraft in launch mode with ACC powered OFF

#### End of Procedure

Spacecraft in launch mode with ACC powered ON and fully configured for launch

### Reference File(s)

#### Input Command Sequences

#### Output Command Sequences

HGA2PONA

### Referenced Displays

ANDs	GRDs	SLDs
WALC1584		(None)
ZAD01999		
WALC2584		
ZAA01999		
ZAA04999		

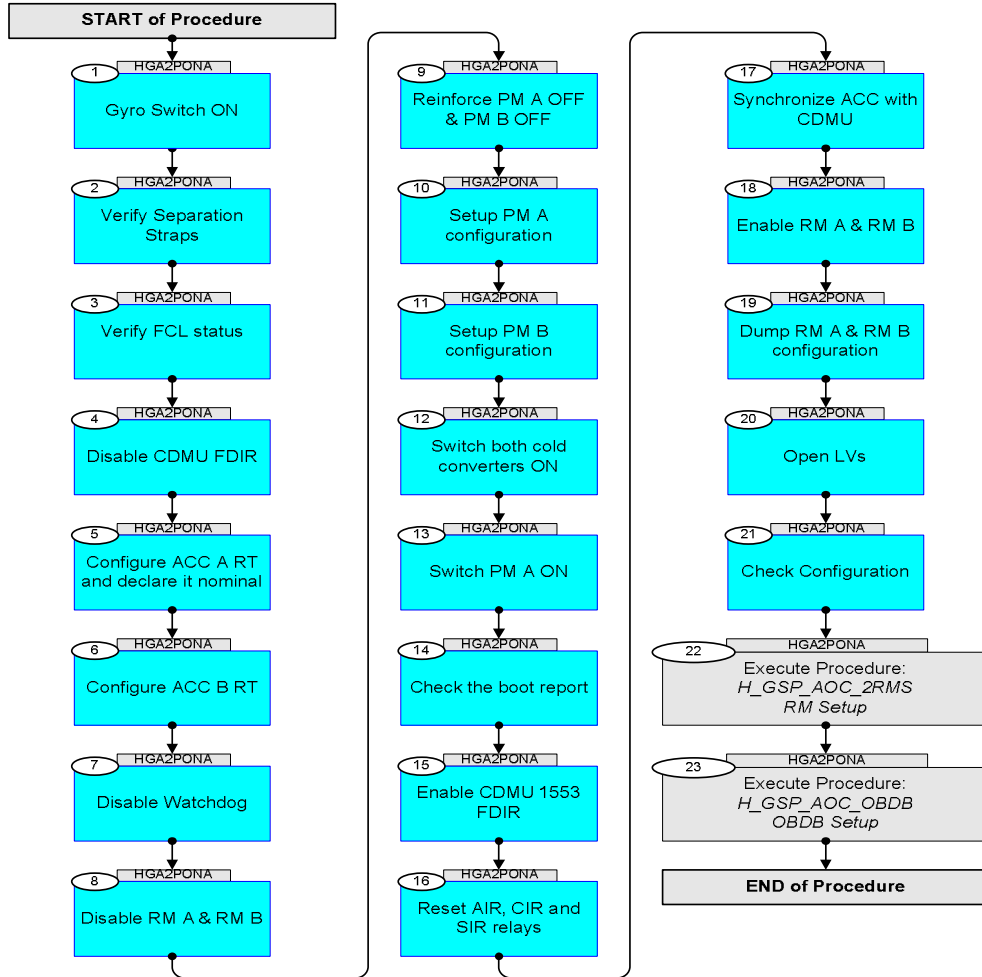
### Configuration Control Information

DATE	FOP ISSUE	VERSION	MODIFICATION DESCRIPTION	AUTHOR	SPR REF
11/01/08	1	1	Created	dsalt-hp	
23/12/08		2	Steps added at end of procedure for RM and OBDB setup.	dsalt-hp	
23/12/08	2	3	Comment added in Step 23 as OBDB updates are no longer required for Herschel	dsalt-hp	
16/04/09	2.3	4	Time-tags removed from all TCs	dsalt-hp	

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**Procedure Flowchart Overview**



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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch	AIT Comment
<b>Beginning of Procedure</b>					
HGA2PONA TC Seq. Name : HGA2PONA ( ACC PowerOn Herschel ) TimeTag Type: N Sub Schedule ID: □					
1		Gyro Switch ON		Next Step: 2	
		Execute Telecommand <div style="text-align: right;">SwOn_GyroA_L13</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) GYRO A - switch LCL_13 on	DC13D170	TC	
		Verify Telemetry <div style="text-align: right;">GyroA_L13_S      WM92A565</div> = ON		AND=WALC1584	
		Execute Telecommand <div style="text-align: right;">SwOn_GyroB_L14</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) GYRO B - switch LCL_14 on	DC14D170	TC	
		Verify Telemetry <div style="text-align: right;">GyroB_L14_S      WM22A565</div> = ON		AND=WALC1584	
2		Verify Separation Straps		Next Step: 3	
		Check from SIM internal display that separation straps are NOT separated			
3		Verify FCL status		Next Step: 4	
		Verify Telemetry <div style="text-align: right;">AccHotA_FCL5_I      WM602565</div> Between 0.15 and 0.35 A		AND=WALC1584	
		Verify Telemetry <div style="text-align: right;">AccHotB_FCL6_I      WM502565</div> Between 0.15 and 0.35 A		AND=WALC1584	
		Verify Telemetry <div style="text-align: right;">AccHotA_FCL5_V      WM603565</div> Between 27 and 29 V		AND=WALC1584	
		Verify Telemetry <div style="text-align: right;">AccHotB_FCL6_V      WM503565</div> Between 27 and 29 V		AND=WALC1584	

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4		Disable CDMU FDIR		Next Step: 5																																																																																														
		<p>Disabling the CDMU 1553 FDIR may be redundant since the CDMU POWER ON procedure declares the ACC RT OFF and INVALID.</p> <p>The CDMU 1553 FDIR is re-enabled later in the procedure.</p>																																																																																																
		<p>Execute Telecommand</p> <p style="text-align: center;"><b>ConfigureSDBFDIR</b></p> <p>Command Parameter(s) :</p> <table style="width:100%; border: none;"> <tr> <td style="width:30%; text-align: right;">RTA</td> <td style="width:20%;">DH011161</td> <td style="width:50%;">ACC A</td> </tr> <tr> <td style="text-align: right;">M0</td> <td>DH030161</td> <td>Ignore Flag</td> </tr> <tr> <td style="text-align: right;">M1</td> <td>DH031161</td> <td>Ignore Flag</td> </tr> <tr> <td style="text-align: right;">M2</td> <td>DH032161</td> <td>Ignore Flag</td> </tr> <tr> <td style="text-align: right;">M3</td> <td>DH033161</td> <td>Ignore Flag</td> </tr> <tr> <td style="text-align: right;">M4</td> <td>DH034161</td> <td>Ignore Flag</td> </tr> <tr> <td style="text-align: right;">M5</td> <td>DH035161</td> <td>Ignore Flag</td> </tr> <tr> <td style="text-align: right;">M6</td> <td>DH036161</td> <td>Ignore Flag</td> </tr> <tr> <td style="text-align: right;">M7</td> <td>DH037161</td> <td>Ignore Flag</td> </tr> <tr> <td style="text-align: right;">F0</td> <td>DH018161</td> <td>ON</td> </tr> <tr> <td style="text-align: right;">F1</td> <td>DH019161</td> <td>Alive</td> </tr> <tr><td colspan="3"> </td></tr> <tr> <td style="text-align: right;">F2</td> <td>DH020161</td> <td>Well TC</td> </tr> <tr> <td style="text-align: right;">F3</td> <td>DH021161</td> <td>Well TM</td> </tr> <tr> <td style="text-align: right;">F4</td> <td>DH022161</td> <td>Valid</td> </tr> <tr> <td style="text-align: right;">F5</td> <td>DH023161</td> <td>Vital</td> </tr> <tr> <td style="text-align: right;">F6</td> <td>DH024161</td> <td>NOMINAL</td> </tr> <tr> <td style="text-align: right;">F7</td> <td>DH025161</td> <td>ON</td> </tr> <tr> <td style="text-align: right;">M12</td> <td>DH051161</td> <td>Ignore Flag</td> </tr> <tr> <td style="text-align: right;">M_C</td> <td>DH043161</td> <td>Ignore CNT</td> </tr> <tr> <td style="text-align: right;">M8</td> <td>DH038161</td> <td>Ignore Flag</td> </tr> <tr> <td style="text-align: right;">M9</td> <td>DH039161</td> <td>Ignore Flag</td> </tr> <tr> <td style="text-align: right;">M10</td> <td>DH040161</td> <td>Ignore Flag</td> </tr> <tr> <td style="text-align: right;">M11</td> <td>DH041161</td> <td>Update status</td> </tr> <tr> <td style="text-align: right;">F12</td> <td>DH050161</td> <td>DISABLED</td> </tr> <tr> <td style="text-align: right;">CNT</td> <td>DH042161</td> <td>LoopCnt1</td> </tr> <tr> <td style="text-align: right;">F8</td> <td>DH026161</td> <td>Bus A</td> </tr> <tr><td colspan="3"> </td></tr> <tr> <td style="text-align: right;">F9</td> <td>DH027161</td> <td>Healthy</td> </tr> <tr> <td style="text-align: right;">F10</td> <td>DH028161</td> <td>Healthy</td> </tr> <tr> <td style="text-align: right;">F11</td> <td>DH029161</td> <td>DISABLED</td> </tr> </table> <p>TC Control Flags :</p> <p style="text-align: center;">GBM IL DSE --Y -- ---</p> <p>Subsch. ID : 10 Det. descr. : Configure SDB FDIR</p>	RTA	DH011161	ACC A	M0	DH030161	Ignore Flag	M1	DH031161	Ignore Flag	M2	DH032161	Ignore Flag	M3	DH033161	Ignore Flag	M4	DH034161	Ignore Flag	M5	DH035161	Ignore Flag	M6	DH036161	Ignore Flag	M7	DH037161	Ignore Flag	F0	DH018161	ON	F1	DH019161	Alive				F2	DH020161	Well TC	F3	DH021161	Well TM	F4	DH022161	Valid	F5	DH023161	Vital	F6	DH024161	NOMINAL	F7	DH025161	ON	M12	DH051161	Ignore Flag	M_C	DH043161	Ignore CNT	M8	DH038161	Ignore Flag	M9	DH039161	Ignore Flag	M10	DH040161	Ignore Flag	M11	DH041161	Update status	F12	DH050161	DISABLED	CNT	DH042161	LoopCnt1	F8	DH026161	Bus A				F9	DH027161	Healthy	F10	DH028161	Healthy	F11	DH029161	DISABLED	DC005161	TC	
RTA	DH011161	ACC A																																																																																																
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F1	DH019161	Alive																																																																																																
F2	DH020161	Well TC																																																																																																
F3	DH021161	Well TM																																																																																																
F4	DH022161	Valid																																																																																																
F5	DH023161	Vital																																																																																																
F6	DH024161	NOMINAL																																																																																																
F7	DH025161	ON																																																																																																
M12	DH051161	Ignore Flag																																																																																																
M_C	DH043161	Ignore CNT																																																																																																
M8	DH038161	Ignore Flag																																																																																																
M9	DH039161	Ignore Flag																																																																																																
M10	DH040161	Ignore Flag																																																																																																
M11	DH041161	Update status																																																																																																
F12	DH050161	DISABLED																																																																																																
CNT	DH042161	LoopCnt1																																																																																																
F8	DH026161	Bus A																																																																																																
F9	DH027161	Healthy																																																																																																
F10	DH028161	Healthy																																																																																																
F11	DH029161	DISABLED																																																																																																
4.1		<p>In the following steps :</p> <p>Both ACC A RT and ACC B RT are declared ON, ALIVE, WELL TM, WELL TC, VALID</p> <p>Only ACC A RT is declared NOMINAL</p>																																																																																																
5		Configure ACC A RT and declare it nominal		Next Step: 6																																																																																														

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		Execute Telecommand ConfigureSDBFDIR Command Parameter(s) : RTA DH011161 ACC A M0 DH030161 Update status M1 DH031161 Update status M2 DH032161 Update status M3 DH033161 Update status M4 DH034161 Update status M5 DH035161 Ignore Flag M6 DH036161 Update status M7 DH037161 Ignore Flag F0 DH018161 ON F1 DH019161 Alive F2 DH020161 Well TC F3 DH021161 Well TM F4 DH022161 Valid F5 DH023161 Vital F6 DH024161 NOMINAL F7 DH025161 ON M12 DH051161 Ignore Flag M_C DH043161 Ignore CNT M8 DH038161 Ignore Flag M9 DH039161 Ignore Flag M10 DH040161 Ignore Flag M11 DH041161 Ignore Flag F12 DH050161 DISABLED CNT DH042161 LoopCnt1 F8 DH026161 Bus A F9 DH027161 Healthy F10 DH028161 Healthy F11 DH029161 DISABLED TC Control Flags : GBM IL DSE --Y -- --- Subsch. ID : 10 Det. descr. : Configure SDB FDIR	DC005161	TC	
6		Configure ACC B RT		Next Step: 7	
		Execute Telecommand ConfigureSDBFDIR Command Parameter(s) : RTA DH011161 ACC B M0 DH030161 Update status M1 DH031161 Update status M2 DH032161 Update status M3 DH033161 Update status M4 DH034161 Update status M5 DH035161 Ignore Flag M6 DH036161 Ignore Flag M7 DH037161 Ignore Flag F0 DH018161 ON F1 DH019161 Alive F2 DH020161 Well TC F3 DH021161 Well TM F4 DH022161 Valid F5 DH023161 Vital F6 DH024161 NOMINAL F7 DH025161 ON M12 DH051161 Ignore Flag M_C DH043161 Ignore CNT M8 DH038161 Ignore Flag M9 DH039161 Ignore Flag M10 DH040161 Ignore Flag M11 DH041161 Ignore Flag F12 DH050161 DISABLED CNT DH042161 LoopCnt1 F8 DH026161 Bus A	DC005161	TC	

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		F9 DH027161 F10 DH028161 F11 DH029161  TC Control Flags :  Subsch. ID : 10 Det. descr. : Configure SDB FDIR	Healthy Healthy DISABLED  GBM IL DSE --Y -- ---		
7		Disable Watchdog		Next Step: 8	
		Execute Telecommand  ACC_WatchDog_A_Disable  TC Control Flags :  Subsch. ID : 10 Det. descr. : ACC WatchDog A Disable - High Level	DCH46170  GBM IL DSE --Y -- ---	TC	
		Execute Telecommand  ACC_WatchDog_B_Disable  TC Control Flags :  Subsch. ID : 10 Det. descr. : ACC WatchDog B Disable - High Level	DCH48170  GBM IL DSE --Y -- ---	TC	
8		Disable RM A & RM B		Next Step: 9	
		Execute Telecommand  Ext_ACC_RM_A_Disable  TC Control Flags :  Subsch. ID : 10 Det. descr. : External ACC RM A Disable - Mission Specific	DCM22170  GBM IL DSE --Y -- ---	TC	
		Verify Telemetry  RMA_Ext_J132 AEE95050	= DISABLED	AND=ZAD01999	
	ET=OAG+ UT=+	Execute Telecommand  Ext_ACC_RM_B_Disable  TC Control Flags :  Subsch. ID : 10 Det. descr. : External ACC RM B Disable - Mission Specific	DCM25170  GBM IL DSE --Y -- ---	TC	
		Verify Telemetry  RMA_Ext_J135 AEE96050	= DISABLED	AND=ZAD01999	
9		Reinforce PM A OFF & PM B OFF		Next Step: 10	

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		Execute Telecommand <p style="text-align: right;">Ext_ACC_PM_A_OFF</p> TC Control Flags : <p style="text-align: right;">GBM IL DSE            --Y -- ---</p> Subsch. ID : 10 Det. descr. : External ACC PM A OFF - Mission Specific	DCM23170	TC	
		Verify Telemetry <p style="text-align: center;">ColdSts_A_J011                      AEE45050</p>	= OFF	AND=ZAD01999	
		Execute Telecommand <p style="text-align: right;">Ext_ACC_PM_B_OFF</p> TC Control Flags : <p style="text-align: right;">GBM IL DSE            --Y -- ---</p> Subsch. ID : 10 Det. descr. : External ACC PM B OFF - Mission Specific	DCM26170	TC	
		Verify Telemetry <p style="text-align: center;">ColdSts_A_J121                      AEE46050</p>	= OFF	AND=ZAD01999	
10		Setup PM A configuration		Next Step: 11	
10.1		Nominal Mode on Startup			
		Execute Telecommand <p style="text-align: right;">ACC_A_Nom_ACC_PMA_Bit_0</p> TC Control Flags : <p style="text-align: right;">GBM IL DSE            --Y -- ---</p> Subsch. ID : 10 Det. descr. : Set ACC A Nominal Mode = Reset ACC PM A Bit 0 - High Level	DCH13170	TC	
		Verify Telemetry <p style="text-align: center;">ACC_A_MODE                      AEE8G050</p>	= Nominal	AND=ZAD01999	
10.2		SW image 1 selected on Startup			
		Execute Telecommand <p style="text-align: right;">ACC_A_SW_Im_1_PMA_bit_1</p> TC Control Flags : <p style="text-align: right;">GBM IL DSE            --Y -- ---</p> Subsch. ID : 10 Det. descr. : Select ACC A SW Image 1 = Set ACC PM A bit 1 - High Level	DCH63170	TC	
		Verify Telemetry <p style="text-align: center;">ACC_A_IMAGE                      AEE8H050</p>	= Image 1	AND=ZAD01999	

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10.3		PM A selected on Startup			
		Execute Telecommand <div style="text-align: right; margin-right: 20px;">Select_ACC_PM_A</div> TC Control Flags : <div style="text-align: right; margin-right: 20px;">GBM IL DSE --Y -- ---</div> Subsch. ID : 10 Det. descr. : Select ACC PM A - High Level	DCH61170	TC	
		Verify Telemetry <div style="text-align: right; margin-right: 20px;">ActPmBoard_N      AEDPG050</div>	= A	AND=ZAD01999	
		Verify Telemetry <div style="text-align: right; margin-right: 20px;">ActPmBoard_R      AEDPH050</div>	= A	AND=ZAD01999	
11		Setup PM B configuration		Next Step: 12	
11.1		Nominal Mode on Startup			
		Execute Telecommand <div style="text-align: right; margin-right: 20px;">ACC_B_Srv_ACC_PMB_Bit_0</div> TC Control Flags : <div style="text-align: right; margin-right: 20px;">GBM IL DSE --Y -- ---</div> Subsch. ID : 10 Det. descr. : Set ACC B Survival Mode = Set ACC PM B Bit 0 - High Level	DCH16170	TC	
		Verify Telemetry <div style="text-align: right; margin-right: 20px;">ACC_B_MODE      AEE8Z050</div>	= Survival	AND=ZAD01999	
11.2		SW image 1 selected on Startup			
		Execute Telecommand <div style="text-align: right; margin-right: 20px;">ACC_B_SW_Im_1_PMB_bit_1</div> TC Control Flags : <div style="text-align: right; margin-right: 20px;">GBM IL DSE --Y -- ---</div> Subsch. ID : 10 Det. descr. : Select ACC B SW Image 1 = Set ACC PM B bit 1 - High Level	DCH71170	TC	
		Verify Telemetry <div style="text-align: right; margin-right: 20px;">ACC_B_IMAGE      AEE8J050</div>	= Image 1	AND=ZAD01999	
12		Switch both cold converters ON		Next Step: 13	



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		Execute Telecommand <p style="text-align: right;">SwOn_AccColdA_L33</p> TC Control Flags : <p style="text-align: right;">GBM IL DSE  --Y -- ---</p> Subsch. ID : 10 Det. descr. : PCDU: TC(8,4,112,5) ACC Cold A - switch LCL_33 on	DC33D170	TC	
		Verify Telemetry <p style="text-align: right;">AccColdA_L33_S                      WM62B565</p>	= ON	AND=WALC2584	
		Verify Telemetry <p style="text-align: right;">AccColdA_L33_I                      WM607565</p>	Between 0 and 0.1 A	AND=WALC2584	
		Execute Telecommand <p style="text-align: right;">SwOn_AccColdB_L34</p> TC Control Flags : <p style="text-align: right;">GBM IL DSE  --Y -- ---</p> Subsch. ID : 10 Det. descr. : PCDU: TC(8,4,112,5) ACC Cold B - switch LCL_34 on	DC34D170	TC	
		Verify Telemetry <p style="text-align: right;">AccColdB_L34_S                      WM52B565</p>	= ON	AND=WALC2584	
		Verify Telemetry <p style="text-align: right;">AccColdB_L34_I                      WM507565</p>	Between 0 and 0.1 A	AND=WALC2584	
13		Switch PM A ON		Next Step: 14	
		Execute Telecommand <p style="text-align: right;">ACC_Ext_PM_A_ON_Nom</p> TC Control Flags : <p style="text-align: right;">GBM IL DSE  --Y -- ---</p> Subsch. ID : 10 Det. descr. : ACC External PM A ON Nominal - High Level	DCH12170	TC	
		Verify Telemetry <p style="text-align: right;">ColdSts_A_J011                      AEE45050</p>	= ON	(None)	
		Verify Telemetry <p style="text-align: right;">AccColdA_L33_I                      WM607565</p>	= 0.76 A	(None)	
		Verify Telemetry <p style="text-align: right;">BSW_BootReport                      AEBG0070</p>	No anomaly flagged (for SIM: EDAC tests fail)	(None)	
14		Check the boot report		Next Step: 15	
		Verify Packet Reception  AccBsw Event 5-1 Boot Report and Reconfiguration Log Packet Mnemonic :                      A_EvRp_534 APID :                                      512 Type :                                        5 Subtype :                                    1 PI1 :                                        134 PI2 :                                        134			

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15		Enable CDMU 1553 FDIR		Next Step: 16																																																																																																
		Execute Telecommand <p style="text-align: center;"><b>ConfigureSDBFDIR</b></p> <p style="text-align: center;">DC005161</p> Command Parameter(s) : <table style="margin-left: 40px; border-collapse: collapse;"> <tr><td>RTA</td><td>DH011161</td><td>ACC A</td></tr> <tr><td>M0</td><td>DH030161</td><td>Ignore Flag</td></tr> <tr><td>M1</td><td>DH031161</td><td>Ignore Flag</td></tr> <tr><td>M2</td><td>DH032161</td><td>Ignore Flag</td></tr> <tr><td>M3</td><td>DH033161</td><td>Ignore Flag</td></tr> <tr><td>M4</td><td>DH034161</td><td>Ignore Flag</td></tr> <tr><td>M5</td><td>DH035161</td><td>Ignore Flag</td></tr> <tr><td>M6</td><td>DH036161</td><td>Ignore Flag</td></tr> <tr><td>M7</td><td>DH037161</td><td>Ignore Flag</td></tr> <tr><td>F0</td><td>DH018161</td><td>ON</td></tr> <tr><td>F1</td><td>DH019161</td><td>Alive</td></tr> <tr><td colspan="3"> </td></tr> <tr><td>F2</td><td>DH020161</td><td>Well TC</td></tr> <tr><td>F3</td><td>DH021161</td><td>Well TM</td></tr> <tr><td>F4</td><td>DH022161</td><td>Valid</td></tr> <tr><td>F5</td><td>DH023161</td><td>Vital</td></tr> <tr><td>F6</td><td>DH024161</td><td>NOMINAL</td></tr> <tr><td>F7</td><td>DH025161</td><td>ON</td></tr> <tr><td>M12</td><td>DH051161</td><td>Ignore Flag</td></tr> <tr><td>M_C</td><td>DH043161</td><td>Ignore CNT</td></tr> <tr><td>M8</td><td>DH038161</td><td>Ignore Flag</td></tr> <tr><td>M9</td><td>DH039161</td><td>Ignore Flag</td></tr> <tr><td>M10</td><td>DH040161</td><td>Ignore Flag</td></tr> <tr><td>M11</td><td>DH041161</td><td>Update status</td></tr> <tr><td>F12</td><td>DH050161</td><td>DISABLED</td></tr> <tr><td>CNT</td><td>DH042161</td><td>LoopCnt1</td></tr> <tr><td>F8</td><td>DH026161</td><td>Bus A</td></tr> <tr><td colspan="3"> </td></tr> <tr><td>F9</td><td>DH027161</td><td>Healthy</td></tr> <tr><td>F10</td><td>DH028161</td><td>Healthy</td></tr> <tr><td>F11</td><td>DH029161</td><td>ENABLED</td></tr> </table> TC Control Flags : <table style="margin-left: 40px; border-collapse: collapse;"> <tr><td>GBM IL DSE</td></tr> <tr><td>--Y -- ---</td></tr> </table> Subsch. ID : 10 Det. descr. : Configure SDB FDIR	RTA	DH011161	ACC A	M0	DH030161	Ignore Flag	M1	DH031161	Ignore Flag	M2	DH032161	Ignore Flag	M3	DH033161	Ignore Flag	M4	DH034161	Ignore Flag	M5	DH035161	Ignore Flag	M6	DH036161	Ignore Flag	M7	DH037161	Ignore Flag	F0	DH018161	ON	F1	DH019161	Alive				F2	DH020161	Well TC	F3	DH021161	Well TM	F4	DH022161	Valid	F5	DH023161	Vital	F6	DH024161	NOMINAL	F7	DH025161	ON	M12	DH051161	Ignore Flag	M_C	DH043161	Ignore CNT	M8	DH038161	Ignore Flag	M9	DH039161	Ignore Flag	M10	DH040161	Ignore Flag	M11	DH041161	Update status	F12	DH050161	DISABLED	CNT	DH042161	LoopCnt1	F8	DH026161	Bus A				F9	DH027161	Healthy	F10	DH028161	Healthy	F11	DH029161	ENABLED	GBM IL DSE	--Y -- ---		TC	
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GBM IL DSE																																																																																																				
--Y -- ---																																																																																																				
16		Reset AIR, CIR and SIR relays		Next Step: 17																																																																																																
		Execute Telecommand <p style="text-align: center;"><b>Reset AIR relay</b></p> <p style="text-align: center;">ACY41109</p> TC Control Flags : <table style="margin-left: 40px; border-collapse: collapse;"> <tr><td>GBM IL DSE</td></tr> <tr><td>--Y -- ---</td></tr> </table> Subsch. ID : 20 Det. descr. : TC(2,3) - Reset AIR relay - Mission Specific	GBM IL DSE	--Y -- ---		TC																																																																																														
GBM IL DSE																																																																																																				
--Y -- ---																																																																																																				
		Execute Telecommand <p style="text-align: center;"><b>Reset_CIR_Relay</b></p> <p style="text-align: center;">DCH43170</p> TC Control Flags : <table style="margin-left: 40px; border-collapse: collapse;"> <tr><td>GBM IL DSE</td></tr> <tr><td>--Y -- ---</td></tr> </table> Subsch. ID : 10 Det. descr. : Reset CIR Relay - High Level	GBM IL DSE	--Y -- ---		TC																																																																																														
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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch	AIT Comment
		Verify Telemetry <b>CirStatus</b> <b>AESML002</b>	<b>= FALSE</b>	AND=ZAA01999	
		Execute Telecommand <b>Reset_SIR_Relay</b>  TC Control Flags : <b>GBM IL DSE</b> --Y -- ---  Subsch. ID : 10 Det. descr. : Reset SIR Relay - High Level	<b>DCH11170</b>	TC	
		Verify Telemetry <b>SirStatus</b> <b>AESMM002</b>	<b>= FALSE</b>	AND=ZAA01999	
17		Synchronize ACC with CDMU		Next Step: 18	
		Up to now, the most significant bit of ACC time packets should have been set to 1 (time not synchronized) If the synchronization is successful, this bit shall be set to 0 (synchronized) so that the ACC packets can be time correlated			
		Execute Telecommand <b>TimeSynchroAcms</b>  TC Control Flags : <b>GBM IL DSE</b> --Y -- ---  Subsch. ID : 10 Det. descr. : Time: Synchronise Acms TC(9,3)	<b>DC31F170</b>	TC	
		Execute Telecommand <b>VerifyAcmsTime</b>  TC Control Flags : <b>GBM IL DSE</b> --Y -- ---  Subsch. ID : 10 Det. descr. : Time: Verify Acms Time TC(9,6)	<b>DC32F170</b>	TC	
		Verify Packet Reception  Time Verification Report Packet Mnemonic :            A99TMVERF001 APID :                            512 Type :                            9 Subtype :                        9 PI1 : PI2 :			
		<b>AE9TM001</b> <b>CTR Time Copy</b>	<input type="checkbox"/>	(None) PKT=A99TMVERF001	
18		Enable RM A & RM B		Next Step: 19	
		Execute Telecommand <b>Ext_ACC_RM_A_Enable</b>  TC Control Flags : <b>GBM IL DSE</b> --Y -- ---  Subsch. ID : 10 Det. descr. : External ACC RM A Enable - Mission Specific	<b>DCM21170</b>	TC	

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch	AIT Comment
		Verify Telemetry RMA_Ext_J132 AEE95050	= ENABLED	AND=ZAD01999	
		Execute Telecommand Ext_ACC_RM_B_Enable TC Control Flags : GBM IL DSE --Y -- --- Subsch. ID : 10 Det. descr. : External ACC RM B Enable - Mission Specific	DCM24170	TC	
		Verify Telemetry RMA_Ext_J135 AEE96050	= ENABLED	AND=ZAD01999	
19		Dump RM A & RM B configuration		Next Step: 20	
		NOTE: the value of TC parameters is not documented TO BE CHECKED BY ACC SOE			
		Execute Telecommand Get RM Status Command Parameter(s) : ASW Function ID AHFUN001 RMStat DF86Cmd AH841001 RMStat DD86Cmd AH842001 RMStatus RM ID AHF8S001 TC Control Flags : GBM IL DSE --Y -- --- Subsch. ID : 20 Det. descr. : TC_GET_RM_STATUS	ACFS1001	TC	
		Execute Telecommand Get RM Status Command Parameter(s) : ASW Function ID AHFUN001 RMStat DF86Cmd AH841001 RMStat DD86Cmd AH842001 RMStatus RM ID AHF8S001 TC Control Flags : GBM IL DSE --Y -- --- Subsch. ID : 20 Det. descr. : TC_GET_RM_STATUS	ACFS1001	TC	
20		Open LVs		Next Step: 21	
		Execute Telecommand SwOn_AccLvA_L47 Subsch. ID : 10 Det. descr. : PCDU: TC(8,4,112,5) ACC RCS LV A - switch LCL_47 on	DC47D170	TC	
		Verify Telemetry RcsLvA_L47_1S WM12E565	= ON	AND=WALC2584	
		Verify Telemetry AccLvA_L47_2S WM12J565	= ON	AND=WALC2584	

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch	AIT Comment
		Verify Telemetry AccLvA_L47_I WM110565	> 0.00 A	AND=WALC2584	
		Execute Telecommand SwOn_AccLvB_L48 Subsch. ID : 10 Det. descr. : PCDU: TC(8,4,112,5) ACC RCS LV B - switch LCL_48 on	DC48D170	TC	
		Verify Telemetry AccLvB_L48_1S WMA2E565	= ON	AND=WALC2584	
		Verify Telemetry AccLvB_L48_2S WMA2J565	= ON	AND=WALC2584	
		Verify Telemetry AccLvB_L48_I WMA10565	> 0.00 A	AND=WALC2584	
		Execute Telecommand RCS-A LV OPEN Command Parameter(s) : RCSCfg DF86 Cmd AH8R3001 RCSCfg DD86 Cmd AH8R4001 Subsch. ID : 20 Det. descr. : TC(8,1) Command RCS config - RCS-A LV OPEN	ACZB1109 Enable 86 Enable 86	TC	
		Execute Telecommand Fire Cmd RCS config Command Parameter(s) : FireFun DF86Cmd AH8F1001 FireFun DD86Cmd AH8F2001 Subsch. ID : 20 Det. descr. : TC(8,4) Fire Command - Fire Cmd RCS config	ACZ2M109 Enable 86 Enable 86	TC	
		Verify Telemetry RCS1 LV sts AETF1002	= OPEN	AND=ZAA04999	
		Execute Telecommand RCS-B LV OPEN Command Parameter(s) : RCSCfg DF86 Cmd AH8R3001 RCSCfg DD86 Cmd AH8R4001 Subsch. ID : 20 Det. descr. : TC(8,1) Command RCS config - RCS-B LV OPEN	ACZB3109 Enable 86 Enable 86	TC	
		Execute Telecommand Fire Cmd RCS config Command Parameter(s) : FireFun DF86Cmd AH8F1001 FireFun DD86Cmd AH8F2001 Subsch. ID : 20 Det. descr. : TC(8,4) Fire Command - Fire Cmd RCS config	ACZ2M109 Enable 86 Enable 86	TC	
		Verify Telemetry RCS2 LV sts AETF2002	= OPEN	AND=ZAA04999	
21		Check Configuration		Next Step: 22	

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch	AIT Comment
22		Execute Procedure: H_GSP_AOC_2RMS RM Setup  type: [Proc]		Next Step: 23	
		Execute Procedure: H_GSP_AOC_2RMS Reconfiguration Module Setup			
23		Execute Procedure: H_GSP_AOC_OBDB OBDB Setup  type: [Proc]		Next Step: END	
		NOTE: The latest version of the Herschel OBDB contains the correct values for flight and so does not require any updates.			
End of Sequence					
<b>End of Procedure</b>					