

Minutes of Meeting

SPIRE-AST-MOM-003065

Date:	05.03.08	Herschel	
Doc.-No.:	HP-2-ASED-MN-1504		
Meeting place:	ESTEC NL	Chairman:	D.Hendry
Date/Time:	05.03.08/14-00 hrs	Secretary	D.Hendry
Agenda dated:	05.03.08	Close of Meeting:	05.03.08 /15-15 hrs

Subject: TRR for SPIRE Reduced CFT

Participants:	E.Sawyer RAL S.Sidher RAL B.Swidyard RAL C.Scharnberg ESA J.Rautakoski ESA K.Goodey ESA M.Cesa ESA B.Collaudin TASF S.Idler ASED S.Hamer ASED D.Hendry ASED	Additional ESA Distribution: AAS-F
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<input type="checkbox"/> Brief-Minutes (except following sheets)	<input type="checkbox"/> Summary of Results of Sheets 2 till
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Testing can start subject to closure of open work.
 Final release will be given by the Test director TASF (BC) prior to switch on.

Reference	Results	Remarks
	<p><u>AGENDA</u></p> <ul style="list-style-type: none"> 0. Introduction 1. As Built / As Designed Configuration Status / S/W Status 2. Inspection / Integration Status 3. NCR / RFW Status 4. Open Work / Open Actions 5. Test Procedures / Test Reports 6. Safety Hazards and Hazardous Operations 7. Test Equipment / Facility and Calibration Status 8. Cleanliness 9. Test Personnel and Responsibilities 10. Problem Areas 11. AOB 12. Conclusion 	



Reference	Results	Remarks
	<p>0. Introduction</p> <p>This TRR covers the Reduced CFT for the Spire to procedure ACS HP-2-ASED-SD-0270 calls up HP-2-ASED-TP-0217 Issue 1 draft</p> <p>1.As Built / As Designed Configuration Status / S/W Status</p> <p>1.1 HW Status HW status Spire is fully connected in flight configuration with 2 lines still swapped see NCR ASED-3942</p> <p>1.2 SW Status :</p> <p>HP SDB:HP-ASP-LI-1441_8 draft release Note SPIRE MIB loaded in HP SDB is version 2.2.H1 PR</p> <p>Spire MIB loaded on IEGSE :2.2.G7</p> <p>SPIRE confirm test can be run with these 2 different MIB versions</p> <p>OBSW: Version DPU 2.2.H Partition 1 ; main and redundant Version DPU 2.2.G partition 2 ; main and redundant</p> <p>CDMS: Version 3.1.3</p>	

Reference	Results	Remarks
	<p>TCL Scripts: Relevant script files: SPIRE_IST_COLDFT_Scripts_28Feb2008.zip SPIRE_IST_COLDFT_28Feb2008_Release_Note.txt Not yet installed but are sent to ASED configuration control. These will be loaded by ASED 06.03.08</p> <p>Base on the new scripts from spire new CCS power off scripts are necessary, these are sent to RAL for comment, response expected tomorrow.</p> <p>2. Inspection / Integration Status</p> <p>2.1 Inspection Status MIP has been performed prior to panel closure (temporary closure as NCR 3942)</p> <p>2.2 Integration Status Panels are closed (temporary closure) Spire FPU is connected to the WUs in the flight configuration.</p> <p>Cryo conditions:He1 SPIRE ask for the following Cryo conditions L3 above 10K and below 15K (JFET switch on)</p>	



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Reference	Results	Remarks
	<p>2.3 Parallel operations being performed LOU alignment HIFI WG integration LOU harness integration PLM instrumentation</p> <p>None of the above affect the Spire testing</p> <p>2.4 Constraints: Cryo conditions:He1 SPIRE ask for the following Cryo conditions L3 (sensors T246 and 247) above 10K and below 15K (JFET switch on)</p> <p>3. NCR / RFW Status:</p> <p>Spire advise that none of the open NCRs will affect the CFT see Mom SCI-PT-50790 dated 21,02.08 The following NCRs can be validated within the test with OBSW version 2.2.H</p> <p>ASED-3327 , 3324, 3204, 3955, 3513</p>	<p>Note ASED SH</p>

Reference	Results					Remarks																														
	<p>RFW none identified</p> <p>4. Open Work / Open Actions</p> <table border="1" data-bbox="389 791 1803 1254"> <thead> <tr> <th>Item</th> <th>Description</th> <th>Actionee</th> <th>Status</th> <th>Comment</th> </tr> </thead> <tbody> <tr> <td>1.</td> <td>Connect IEGSE</td> <td>ASED (SH)</td> <td>OK</td> <td></td> </tr> <tr> <td>2</td> <td>Upload TCL Scripts</td> <td>ASED (SH)</td> <td>OK</td> <td></td> </tr> <tr> <td>3</td> <td>Update to ASED procedure for L3 temperatures</td> <td>ASED (SH)</td> <td>OK</td> <td></td> </tr> <tr> <td>4</td> <td>Update to RAL procedure L3 temperatures for JFET SW on</td> <td>RAL</td> <td>No, but covered by above step</td> <td>Not blocking</td> </tr> <tr> <td>5</td> <td>CCS client screen to be installed in Spire IEGSE room, Machine is located in HIFI room or move machine.</td> <td>ASED (SH)</td> <td>No. in <u>HIFI</u> room</td> <td>Not blocking —</td> </tr> </tbody> </table> <p>5. Test Procedures / Test Reports ACS HP-2-ASED-SD-0270 calls up HP-2-ASED-TP-0217 Issue 1 draft</p> <p>5.1 Cryo L3 temperature to be between 10K and 15K for switch on of the JFETs To be included in the ASED TP-0217 procedure.</p>					Item	Description	Actionee	Status	Comment	1.	Connect IEGSE	ASED (SH)	OK		2	Upload TCL Scripts	ASED (SH)	OK		3	Update to ASED procedure for L3 temperatures	ASED (SH)	OK		4	Update to RAL procedure L3 temperatures for JFET SW on	RAL	No, but covered by above step	Not blocking	5	CCS client screen to be installed in Spire IEGSE room, Machine is located in HIFI room or move machine.	ASED (SH)	No. in <u>HIFI</u> room	Not blocking —	
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Reference	Results	Remarks
	<p>5.2 Other comments CCU will not be used as the merged MIB from TASF is not yet available</p> <p>5.3 A work around is needed for SC switch on due to fault with SAS SCOE, will be included in ACS</p> <p>5.4 SCOS machine update with patch to allow running of the merged MIB, SPIRE advise this is not needed for CFT</p> <p>5.5 SD-0270 appendix 4 of this ACS is ASED HP-2-ASED-TP-0217 Issue 1 draft</p> <p>5.6 LPU is not included in the present procedure for CFT ASED will produce an ACS for the LPU, this can be done as a stand alone test and can be performed at any available test slot.</p> <p>6. Hazards and Hazardous operations No other safety issues related to test</p> <p>7. Test Equipment / Facility and Calibration Status</p> <p>IEGSE is to be connected and has been configured remotely</p>	<p>Note ASED (AK)</p>

Reference	Results	Remarks																																												
	<p>8. Cleanliness</p> <p>CL 100000 ETS facility see FRR Ref ETS/MOM/MECH/2253</p> <p>9. Test Personnel and Responsibilities</p> <table border="1" data-bbox="389 719 1798 1150"> <thead> <tr> <th>Responsibility</th> <th>Name</th> <th>Company</th> <th>Contact Number</th> </tr> </thead> <tbody> <tr> <td>Test Director</td> <td>B.Collaudin</td> <td>TASF</td> <td></td> </tr> <tr> <td>Test Conductor</td> <td>A.Koppe</td> <td>ASED</td> <td></td> </tr> <tr> <td>SPIRE engineering</td> <td>S.Sidher</td> <td>RAL</td> <td></td> </tr> <tr> <td>SPIRE</td> <td>B.Swinyard</td> <td>RAL</td> <td></td> </tr> <tr> <td>QA</td> <td>T.Schmidt</td> <td>ASED</td> <td></td> </tr> <tr> <td>CCS</td> <td>S.Hamer</td> <td>ASED</td> <td></td> </tr> <tr> <td>PA</td> <td>D.Hendry</td> <td>ASED</td> <td></td> </tr> <tr> <td>Instrument coordinator</td> <td>K,Goodey</td> <td>ESA</td> <td></td> </tr> <tr> <td>ESA PA</td> <td>J.Rautakoski</td> <td>ESA</td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table> <p>10. Problem Areas</p> <p>None identified</p>	Responsibility	Name	Company	Contact Number	Test Director	B.Collaudin	TASF		Test Conductor	A.Koppe	ASED		SPIRE engineering	S.Sidher	RAL		SPIRE	B.Swinyard	RAL		QA	T.Schmidt	ASED		CCS	S.Hamer	ASED		PA	D.Hendry	ASED		Instrument coordinator	K,Goodey	ESA		ESA PA	J.Rautakoski	ESA						
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	<p>11. AOB</p> <p>11.1 For SVT Spire request the same cryo conditions ,ie, Cryo conditions:He1 L3 above 10K and below 15K (JFET switch on)</p> <p>11.2 SCOS machine update with patch to allow running of the merged MIB :- date for implementation TBD</p> <p>11.3 The GSE connector for the launch latch is now available and will be validated after the test</p> <p>11.4 LPU is not included in the present procedure for CFT ASED will produce an ACS for the LPU, this can be done as a stand alone test and can be performed at any available test slot.</p> <p>11.5 Planning: Test is scheduled for Friday starting at 06-00 (1 shift allocated) Spire will be available 07-00 hrs to assist in configuration.</p> <p>12. Conclusion</p> <p>Testing can start subject to closure of open work. Final release will be given by the Test director TASF (BC) prior to switch on.</p>	

Meeting: HP-2-ASED-MN-1504

Action Item List

Herschel

Title:

Date: 05.03.08

No.:	Description:	Due Date	Originator Comp./Pers.	Actionee Comp./Pers.	Source	Completion
01						
02						
03						

Meeting: HP-2-ASED-MN-1504

Open Work List

Herschel

Title:

Date: 05.03.08

Item	Description	Actionee	Status	Comment
1.				
2				
3				
4				

Test Conductor Approved	PA	TASF	Instrument

Note: To be completed and Signed off prior to start of the Test

Name	Dép./Comp.	Name	Dep./Comp.
Baldock Richard	FAE12	Schweickert Gunn	ASG23
X Barlage Bernhard	AED13	X Sonn Nico	ASG51
Bayer Thomas	ASA42	Steininger Eric	AED32
Brune Holger	ASA45	X Stritter Rene	AED11
Chen Bing	HE Space	Suess Rudi	OTN/ASA44
Edelhoff Dirk	AED2	Theunissen Martijn	DSSA
Fehringer Alexander	ASG13	X Vascotto Riccardo	HE Space
X Fricke Wolfgang Dr.	AED 65	Wagner Klaus	ASG23
Geiger Hermann	ASA42	X Wietbrock Walter	AET12
Grasl Andreas	OTN/ASA44	Wöhler Hans	ASG23
Grasshoff Brigitte	AET12	Wössner Ulrich	ASE252
X Hamer Simon	Terma	X Zumstein Armin	ASQ42
Hanka, Erhard	FI552		
Hendrikse Jeffrey	HE Space		
X Hendry David	Terma		
Hengstler Reinhold	ASA42		
Hinger Jürgen	ASG23		
X Hohn Rüdiger	AED65		
Hofmann Rolf	ASE252		
Hopfgarten Michael	AED32		
Huber Johann	ASA42		
Hund Walter	ASE252		
X Idler Siegmund	AED312		
Ivány von András	FAE12		
Jahn Gerd Dr.	ASG23		
Jolk Matthias	AET1	X ESA/ESTEC	ESA
Kalde Clemens	ASM2	X Thales Alenia Space Cannes	TAS-F
Klenke Uwe	ASG72	Thales Alenia Space Torino	TAS-I
X Koelle Markus	ASA43		
X Koppe Axel	AED312	Instruments:	
X Kroeker Jürgen	AED65	MPE (PACS)	MPE
X La Gioia Valentina	Terma	X RAL (SPIRE)	RAL
X Lang Jürgen	ASE252	SRON (HIFI)	SRON
X Langenstein Rolf	AED15		
X Langfermann Michael	ASA41	Subcontractors:	
Liberatore Danilo	Rhea	Austrian Aerospace	AAE
Martin Olivier	ASA43	Austrian Aerospace	AAEM
Maukisch Jan	ASA43	BOC Edwards	BOCE
X Much Christoph	ASA43	Dutch Space Solar Arrays	DSSA
X Müller Martin	ASA43	EADS Astrium Sub-Subsyst. & Equipment	ASSE
Pietroboni Karin	AED65	EADS CASA Espacio	CASA
Platzer Wilhelm	AED2	EADS CASA Espacio	ECAS
Reichle Konrad	ASA42	European Test Services	ETS
Runge Axel	OTN/ASA44	Patria New Technologies Oy	PANT
Sauer Maximilian Dr.	AED65	SENER Ingenieria SA	SEN
Schink Dietmar	AED32	Thales Alenia Space, Antwerp	TAS-ETCA
X Schmidt Thomas	AED15		