

Minutes of Meeting

SPIRE-AST-MOM-003064

Date:	23.02.08	Herschel	
Doc.-No.:	HP-2-ASED-MN-1496		
Meeting place:	ESTEC NL	Chairman:	D.Hendry
Date/Time:	23.02.08 / 10-00 hrs	Secretary	D.Hendry
Agenda dated:	23.02.08	Close of Meeting:	23.02.08 / 11-00 hrs

Subject: TRR for SPIRE OBSW version 2.2.H

Participants:	K.Goodey ESA – <i>[Signature]</i> A.Gatti ESA M.Cesa ESA <i>M.Cesa</i> B.Collaudin TASF by phone S.Hamer ASED D.Hendry ASED <i>[Signature]</i> S.Sidher RAL by phone <i>[Signature]</i> S.Moodey TASF pt	Additional ESA Distribution: AAS-F
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Page: 1 of 9 Page(s)

<input type="checkbox"/> Brief-Minutes (except following sheets)	<input type="checkbox"/> Summary of Results of Sheets 2 till
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Release for the SPIRE OBSW upload of version 2.2.H is given

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 SPIRE OBSW upload of version 2.2.H and will validate the process to avoid writing to the corrupted memory in the EEPROM</p> <p>1.As Built / As Designed Configuration Status / S/W Status</p> <p>1.1 HW Status See DRB Mom</p> <p>1.2 SW Status :</p> <p>HPSPDB:HP-ASP-LI-1441_6 plus patch for NCR ASED-NC-3949</p> <p>Spire MIB:2.2.G7 PR</p> <p>OBSW:</p> <ul style="list-style-type: none"> • SPDPRMDA_000022H_REF_2008_023T200600.IMG • SPIRE_OBS_Conf_Report_Issue_2.2.H_08_20080205173921.pdf • SPIRE_OBS_Issue2.2.H_19Feb2008.release_note • SPIRE_OBS_SW_Upload_Procedure_2866_Issue1.2.doc • SPIRE_OBS_SW_Upload_Procedure_2866_Issue1.2.pdf • SPIRE_OBS-User-Manual_Issue_2.2.H_20080122150359.pdf • SPIRE-OBS-2.2.H_AcceptanceTestReport_003037_Issue1.pdf • SPIRE-OBS-22H-BSW-UL-IMAGE-FORCCS.tcl 	

Reference	Results	Remarks
	<p>CDMS: Version 3.1.3</p> <p>TCL Scripts: Loaded on CCS ; session ident and tag will be included in the ACS session record</p> <p>OBSM tool is same version as last SW update</p> <p>2. Inspection / Integration Status</p> <p>2.1 Inspection Status MIP has been performed prior to Spire panel closure</p> <p>2.2 Integration Status Panel is closed SPIRE is connected and in the flight configuration.</p> <p>Cryo conditions T239 SPIRE/HIFI level 1 126.4 K today at 10-00 hrs RAL advise FPU temperature has no impact for the SW upload</p> <p>2.3 Parallel operations being performed Cooldown is on going.</p>	

Reference	Results	Remarks
	<p>No other FAIT activities to be performed</p> <p>2.4 Constraints: No other FAIT activities to be performed</p> <p>3. NCR / RFW Status:</p> <p>ASED-NC-3942 Connector pin retaining clip broken Temporary fix and SIH mated, not blocking for test</p> <p>Following NCR taken into account this software release 2.2H vs 2.2G Implementation of fixes for PRISMA NCRs 3204, 3324, 3327 and 3513</p> <p>Ref NCR wash up with SPIRE System meeting SCI-PT-50790. Using the new software for subsequent SPIRE test will allow to close the NCR's.</p> <p>ASED-NCR-3211 DRCU step 1 stop HK within 90 sec close DLCU LCL and restart HK</p> <p>RFW none identified</p> <p>4. Open Work / Open Actions</p>	<p>OW ASED/RAL</p>

Reference	Results				Remarks
	Item	Description	Actionee	Status	Comment
	1.	Connect IEGSE	ASED SH		
<p>5. Test Procedures / Test Reports</p> <p>HP-2-ASED-SD-0267 will be used to upload the New OBSW version 2.2.H Agreed by all parties.</p> <p>The Software will be uploaded on primary partition for both nominal & redundant DPU. This software does not need to be loaded on secondary partition as this will be done in the frame of the SVT1 test.</p> <p>The IEGSE will be connected to retrieve the data</p> <p>6. Safety Hazards and Hazardous operations None related to OBSW upload</p> <p>7. Test Equipment / Facility and Calibration Status</p> <p>IEGSE connected and configured remotely by RAL</p> <p>8. Cleanliness</p> <p>CL 100000 ETS facility see FRR Ref ETS/MOM/MECH/2253</p> <p>9. Test Personnel and Responsibilities</p>					

Reference	Results				Remarks
	Responsibility	Name	Company	Contact Number	
	Test Director	S.Moodey	TASF		
	Test Conductor	S.Hamer	ASED		
	Spire engineering	S.Sidher	RAL		
	QA	T.Smidt	ASED		
	CCS	S.Hamer	ASED		
	PA	D.Hendry	ASED		
	Instrument coordinator	K,Goodey	ESA		
	ESA PA	J.Rautakoski	ESA		
<p>10. Problem Areas</p> <p>None identified</p> <p>11. AOB</p> <p>Planning: OBSW upload is planned to be run on Monday 25.02.08, starting at 07-30 cet The SC will switched on at 06-00</p> <p>12. Conclusion</p> <p>Release for the OBSW upload is given.</p>					

Meeting: HP-2-ASED-MN- 1496

Action Item List

Herschel

Title:

Date: 23.02.08

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

Meeting: HP-2-ASED-MN-1496

Open Work List

Herschel


Title:

Date: 23.02.08

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

		REF.: H-P-TAS-MN-10176			
		DATE : 22/02/2008	PAGE : 1/5		
MINUTES OF MEETING		PLACE : Estec + Teleconf			
PURPOSE : SPIRE DPU software update to issue 2.2.H DRB (+ IRR)		CLASSIFICATION :			
ATTENDEES	FIRM	SIGNATURE	ATTENDEES	FIRM	SIGNATURE
D.Hendry	ESA				
C.Scharmberg	ESA				
S.Hamer	ASED				
B.Collaudin	TASF				
S.Sidher	SPIRE				
K.King	SPIRE				
E.Sawuer	SPIRE				
WRITTEN BY : B.Collaudin					
CONCLUSION :					
The delivery of the SPIRE Software issue 2.2H is agreed. Software can be uploaded on SPIRE DPU nominal & redundant units primary partition after successful TRR.					
DISTRIBUTION : ATTENDEES	FOR FURTHER ACTION :		ASED: S.Idler, A.Koppe, M.Mueller SPIRE TASF: Y.Roche, D.Montet, T.Grassin, B.Gobillot ESA: G.Crone, U.Gageur, J.Rautakoski		
	FOR INFORMATION :				
APPROVED BY					
NAME					
SIGNATURE					

MINUTES OF MEETING

PLACE : Estec + Teleconf

CONTINUED :

ACTION

SPIRE DPU Software 2.2.H delta DRB

Ref: previous SPIRE software version was issue 2.2.G delivered with SPIRE FM (DRB: 2007-03-15 - SCI-PT-46562 - SPIRE FM DRB)

EIDP: SPIRE-RAL-PRJ-002017_2.1 PFM Instrument EIDP, now to issue 2.1

1: Status

Software & Datapack delivered by SPIRE:

2: Documentation delivered for SPIRE Software update 2.2.H:

SPIRE documents

- SPDPRMDA_000022H_REF_2008_023T200600.IMG
- SPIRE_OBS_Conf_Report_Issue_2.2.H_08_20080205173921.pdf
- SPIRE_OBS_Issue2.2.H_19Feb2008.release_note
- SPIRE_OBS_SW_Upload_Procedure_2866_Issue1.2.doc
- SPIRE_OBS_SW_Upload_Procedure_2866_Issue1.2.pdf
- SPIRE_OBS-User-Manual_Issue_2.2.H_20080122150359.pdf
- SPIRE-OBS-2.2.H_AcceptanceTestReport_003037_Issue1.pdf
- SPIRE-OBS-22H-BSW-UL-IMAGE-FORCCS.tcl

ASED procedure

- ACS xxx TBW

It is confirmed that the image file format is suitable for upload.

The software configuration report is considered sufficient to trace the software evolution. (acting as CIDL)

Following NCR taken into account this software release 2.2H vs 2.2G

Implementation of fixes for PRISMA NCRs 3204, 3324, 3327 and 3513

Ref NCR wash up with SPIRE System meeting SCI-PT-50790.

Using the new software for subsequent SPIRE test will allow to close the NCR's.

Regression test was performed at SPIRE level ?

level with AVM DPU + DRCU simulator.

MINUTES OF MEETING

PLACE : Estec + Teleconf

CONTINUED :

ACTION

Constraint for software upload and SPIRE switch on

For upload: No constraint (can be done with current database.

For execution: new SPIRE MIB is needed SPIRE MIB 2.2.H1_PR_20Feb2008.

The OBSM tool will be used to upload the software.

The Script proposed by SPIRE will be a backup.

The Software will be uploaded on primary partition for both nominal & redundant DPU.

This software does not need to be loaded on secondary partition as this will be done in the frame of the SVT1 test.

The consequence is that the OBCP tests shall be corrected to boot from primary partition

The ACS for the software upload needs to be written. ASED. tonight TRR for upload To take place tomorrow Saturday 23/2 10:00 Kevin Goodey, Simon Hamer, Sunil Sidher, Bernard Collaudin Telephone nb to be sent to kevin

Configuration control

SPIRE software documentation delivered by SPIRE has been placed on ftp for storage, and unique access.

ftp://ftp.hp-instruments.as-b2b.com/industry_to_instruments/Herschel FM Integration & tests/Software/SPIRE OBSW 2.2H/

Conclusion

The delivery of the SPIRE Software issue 2.2H is agreed.

Software can be uploaded on SPIRE DPU nominal & redundant units primary partition after successful TRR.

AI 1 ASED
SH

REF.:


DATE :

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MINUTES OF MEETING

PLACE :

ACTIONS					DATE
Origin	N°	Status	Description	Responsible	Due
	1	Open / Close			
	2				
	3				
	4				
	5				
	6				
	7				
	8				

 <p>ThalesAlenia A Thales / Finmeccanica Company <i>Space</i></p>		REF.:	
		DATE :	PAGE : 5/5
MINUTES OF MEETING		PLACE :	

Annexes

	Name	Dép./Comp.		Name	Dep./Comp.
	Baldock Richard	FAE12		Schweickert Gunn	ASG23
X	Barlage Bernhard	AED13	X	Sonn Nico	ASG51
X	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		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			
X	Huber Johann	ASA42			
	Hund Walter	ASE252			
X	Idler Siegmund	AED312			
	Ivány von András	FAE12			
X	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			
	Liberatore Danilo	Rhea		Subcontractors:	
X	Martin Olivier	ASA43		Austrian Aerospace	AAE
X	Maukisch Jan	ASA43		Austrian Aerospace	AAEM
X	Much Christoph	ASA43		BOC Edwards	BOCE
X	Müller Martin	ASA43		Dutch Space Solar Arrays	DSSA
	Pietroboni Karin	AED65		EADS Astrium Sub-Subsyst. & Equipment	ASSE
	Platzer Wilhelm	AED2		EADS CASA Espacio	CASA
	Reichle Konrad	ASA42		EADS CASA Espacio	ECAS
	Runge Axel	OTN/ASA44		European Test Services	ETS
	Sauer Maximilian Dr.	AED65		Patria New Technologies Oy	PANT
X	Schink Dietmar	AED32		SENER Ingenieria SA	SEN
X	Schmidt Thomas	AED15		Thales Alenia Space, Antwerp	TAS-ETCA