



Minutes of Meeting

Date: 10.09.07

Herschel

Doc.-No.: HP-2-ASED-MN-1398

Meeting place: ASED FN

Chairman: D.Hendry

Date/Time:

Secretary: D.Hendry

Agenda dated:

Close of Meeting:

Subject: SPIRE NCR Review 10.09.07

Participants:

- D.Griffin RAL by Phone
- SD.Sidher RAL by phone
- B.Swinyard RAL pt by phone
- A.Knight TASF
- B.Collaudin TASF *[Signature]*
- G.Dobrovik TASF
- S.Hamer ASED
- A.Koppe ASED *[Signature]*
- S.Idler ASED pt
- D.Hendry ASED *[Signature]*
- C.Scharmberg ESA by phone *[Signature]*

Additional: ESA
Distribution: AAS-F

Page: 1 of 7 Page(s)

 Brief-Minutes (except following sheets)

 Summary of Results of Sheets 2 till

No NCRs are blocking for SPIRE Electrical mating or WFT and SFT



Doc.-No.: HP-2-ASED-MN-1398
Date: 10.09.07
Page: 2

Reference	Results	Remarks
	<p data-bbox="427 577 560 611"><u>AGENDA</u></p> <p data-bbox="427 689 979 723">Open Spire related NCR from PRISMA</p>	



Reference	Results	Remarks
	<p>1. Introduction:</p> <p>1.1 This NCR review will address all open SPIRE related NCRs identified at ASED and ASP level. Any agreed closures will be implemented in PRISMA.</p> <p>1.2 RAL advise that there are no open SPIRE RAL Instrument level NCRs with impact on upper level.</p> <p>ASED-NC-3513 Source sequence Counter errors OBSW update required from IFSI No impact on electrical mating or SFT/WFT Implement and validate prior to IST</p> <p>ASED-NC-3327 SPIRE: Type (1,7) and (1,8) packets generated for same cmd OBSW update required from IFSI No impact on electrical mating or SFT/WFT Implement and validate prior to IST Work around available in switch on procedure to load VM table.</p> <p>ASED-NC-3512 During RMS 48, SPIRE DPU reports missing Time Sync Pulse on MIL Bus 1553 OBSW update required from IFSI No impact on electrical mating or SFT/WFT Implement and validate prior to IST</p> <p>ASED-NC-3204 OBSW update by IFSI to avoid defective EEPROM memory area. Secondary boot used for further testing.</p>	



Doc.-No.: HP-2-ASED-MN-1398
 Date: 10.09.07
 Page: 4

Reference	Results	Remarks
	<p>No impact on electrical mating or SFT/WFT .</p> <p>ASED-NC-3147 Ground loop detected between H-SVM and GND starpoint No impact for SPIRE. Investigations and test ongoing with TASF/TASI</p> <p>ASED-NC-3276 HPCCS Appears to Receive TM Packets in Bursts RAL advise that the WFT requires data in real time and that this will cause problems with possible loss or corruption of data. TASF will clarify the status of the ongoing off line investigations prior to the WFT.</p> <p>ASED-NC-3186 Problems encountered during Spire AVM UFT with OBSW upload NCR review HP-2-ASED-MN-1398 dated 10.09.07 Successfully rerun during 48 hr RMS NCR is Closed</p> <p>ASED-NC-3277 SPIRE WU MCU Voltages Out-Of-Limits The thresholds on the MCU voltages were wrong in the UFT procedure - SPIRE WU Integration Test Procedure, SPIRE-RAL-PRC-2680, Issue 1.3, 15th Feb 2007. These thresholds have been corrected in v2.3 of SFT and WFT procedures 2494 and 2422 respectively. Verify during WFT</p> <p>ASED-NC-3299 Update of RMS MTL SPIRE time-tagged TCs in verification history Time tag cmd related , no impact on electrical mating, WFT or SFT. CCS problem under investigation, TASI to confirm status whether this has been implemented in CCS SW update.</p>	



Doc.-No.: HP-2-ASED-MN-1398
 Date: 10.09.07
 Page: 5

Reference	Results	Remarks
	<p>ASED-NC-3324 SPIRE command failures (1,8) in POF3 observations during RMS debug See also 3327 No impact to electrical mating , WFT or SFT. OBSW update to be verified before next RMS and IST</p> <p>ASED-NC-3298 Nominal HKTM fails start after transition to SPIRE Spectro-Standby No Impact Electrical mating, WFT and SFT (HK rate is not changed) Update to MTL from ESOC Validate during next RMS.</p> <p>ASED-NC-3271 Gaps in TM Packets SSC in SPIRE Instrument Simulation Modes No missing packets identified by SPIRE for AVM or FM UFTs, therefore no impact. Could be CCCS related not Instrument ASED to replay sessions for further investigation off line</p> <p>ASED-NC-3211 Wrong SPIRE DRCU switch-on sequence TASF to clarify time out before the SC FDIR declares the instrument unhealthy because no tlm has been received within a certain period. This is only a problem with manual commanding if there is a delay in sending cmd and receiving tom Not blocking but could be a problem during WFT and SFT if manual commands are not sent quick enough.</p> <p>ASED-NC-3209 SPIRE DPU_R communication failed Set up error, no impact on instrument. Switch on scripts updated by ASED TASF confirm that the redundant bit setting for the remote terminal is already included in the TS</p>	<p>←</p>



Doc.-No.: HP-2-ASED-MN-1398
 Date: 10.09.07
 Page: 6

Reference	Results	Remarks
	<p>1315 and no doc update is required NCR is Closed.</p> <p>ASED-NC-1804 SPIRE EMC E-Field RS test results non conformances No impact to electrical mating , WFT and SFT Subject to results of SC level EMC test.</p> <p>ALS-2910 SPIRE Time Synchronization not executed No impact to Electrical integration , WFT and SFT RAF/IFSI on going off line investigation to determine what causes the time difference.</p> <p>ALS-NC-2640 Database problem for SPIRE Memory Dump and Load TC (6,x) SPIRE SW upload ok, but problem OBSM during dump. ASED will try change of parameters in OBSM and retry dump TASF to clarify if the OBSM tool will be maintained and updated, is there a facility for patching with this tool or how will this be implemented and verified. No impact for electrical integration , WFT and SFT.</p> <p>ASED-NC-1672 CCS uses UTC instead of TAI time (32 seconds problem) No problem for SPIRE.</p> <p>Conclusion:- No NCRs are blocking for SPIRE Electrical mating or WFT and SFT</p>	

Meeting: HP-2-ASED-MN-1398

Title:

Date: 10.09.07

Action Item List

Herschel

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

	Name	Dep./Comp.		Name	Dep./Comp.
	Alberti von Mathias Dr.	ASG23	X	Schmidt Thomas	AED15
	Baldock Richard	FAE12		Schuler Günter	ASA42
X	Bariage Bernhard	AED13		Schweickert Gunn	ASG23
X	Bayer Thomas	ASA42	X	Sonn Nico	ASG51
	Brune Holger	ASA45		Steininger Eric	AED32
	Edelhoff Dirk	AED2	X	Stritter Rene	AED11
	Fehring Alexander	ASG13		Suess Rudi	OTN/ASA44
X	Fricke Wolfgang Dr.	AED 65		Theunissen Martijn	DSSA
	Geiger Hermann	ASA42	X	Vascotto Riccardo	AED11
	Grasi Andreas	OTN/ASA44		Wagner Klaus	ASG23
	Grasshoff Brigitte	AET12	X	Wietbrock Walter	AET12
X	Hamer Simon	Terma		Wöhler Hans	ASG23
	Hendrikse Jeffrey	HE Space		Wössner Ulrich	ASE252
X	Hendry David	Terma	X	Zumstein Armin	ASQ42
	Hengstler Reinhold	ASA42			
	Hinger Jürgen	ASG23			
X	Hohn Rüdiger	AED65			
	Hölzle Edgar Dr.	AED32			
X	Hopfgarten Michael	AED32			
	Huber Johann	ASA42			
	Hund Walter	ASE252			
X	Idler Siegmund	AED312			
	Ivány von András	FAE12			
X	Jahn Gerd Dr.	ASG23			
	Kalde Clemens	ASM2			
	Kameter Rudolf	OTN/ASA42	X	ESA/ESTEC	ESA
X	Keltner Bernhard	AET42	X	Thales Alenia Space Cannes	TAS-F
	Knoblauch August	AET32		Thales Alenia Space Torino	TAS-I
X	Koelle Markus	ASA43			
	Koppe Axel	AED312		Instruments:	
X	Kroeker Jürgen	AED65		MPE (PACS)	MPE
	La Gioia Valentina	Terma	X	RAL (SPIRE)	RAL
	Lang Jürgen	ASE252		SRON (HIFI)	SRON
X	Langenstein Rolf	AED15			
X	Langfermann Michael	ASA41			
	Martin Olivier	ASA43		Subcontractors:	
	Maukisch Jan	ASA43		Austrian Aerospace	AAE
	Much Christoph	ASA43		Austrian Aerospace	AAEM
	Müller Jörg	ASA42		BOC Edwards	BOCE
X	Müller Martin	ASA43		Dutch Space Solar Arrays	DSSA
	Peltz Heinz-Willi	ASG13		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
X	Schink Dietmar	AED32		Thales Alenia Space, Antwerp	TAS-ETCA