

**Minutes of Meeting**

Date: 11.05.2006

Herschel

Doc.-No.: HP-2-ASED-MN-1219

Meeting place: EADS Astrium FN

Chairman: D.Hendry

Date/Time: 11.05.2006 / 14-00

Secretary: D.Hendry

Agenda dated: NRB

Close of Meeting: 11.05.06

Subject: SPIRE EQM Open NCRs NRB (telecon)

Participants: J.Rautakoski (ESA)
C.Scharmberg (ESA)
E.Sawyer (SPIRE)
A.Knight (AAS-F)
S. Idler (ASED)
D.Hendry (ASED)
W.Hund (ASED) PTAdditional Distribution: ESA
ASP

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 Brief-Minutes (except following sheets) Summary of Results of Sheets 2 till



Reference	Results	Remarks
	<p>Open EQM NCRs</p> <p><u>ASED Status list see Annex 1</u></p> <p><u>ASED-NC-1248 SPIRE SIH PSW JFETV Gnd open line</u> Actions still open on ASED A1 Clarify why this open line was measured after the gnd wires had been removed from the inner harness and the shields used as the grounding path, all other lines checked were OK A2 Confirm configuration for FM harness ie, Inner, external and SVM with respect to gnd wires. A3 Confirm resistance measurements and correct values for FM NCR remains OPEN</p> <p><u>ASED-NC-1340 SPIRE FPU SIH Connectors not fully fixed.</u> SPIRE confirm that the connectors are the same for EM and FM ASED use standard Glenair connectors on the harness, in the frame of the ASED Thermal qualification programme Glenair is mated with Cristex and thermally tested. Mechanical testing is not performed. During the STM 2 campaign the connections will again be checked during integration and mating SPIRE will provide a mounted sample of the Cristex connector for further investigation. NCR remains OPEN</p> <p><u>ASED-NC-1375 Source sequence counter Errors between instruments and CCS</u> This problem has been seen on all instruments at various rates PACS have modified their OBSW (Probably to perform a re sync) SPIRE will contact directly the SW developer as they are common to both instruments and investigate a possible fix. NCR remains OPEN</p> <p><u>ASED-NC-1662 High correlation between cryo cover temp and SPIRE L1</u> AAS-F have performed an analysis and produced a assessment/TN which confirms the correlation within the EQM environment. NCR is CLOSED</p>	



Reference	Results	Remarks
	<p><u>ASED-NC-1688 Evaporator temp not correct with respect to L0 Temp</u> SPIRE confirm this is a calibration error within their MIB and that there is no HW fault. SPIRE will confirm if this has already been corrected in the current version to be used for STM 2 testing or if it will only be implemented for FM NCR is CLOSED with note for FM validation.</p> <p><u>ASED-NC-1800 SPIRE EMC H-Field RS test results non conformances</u> The EMC meeting HP-2-ASED-MN-1205 dated 05.05.06 states the NCR could be closed “as the distance of the SA to the SPIRE harness allows additional 20db attenuation of the H-field. For H-field high system margins are expected” NCR is CLOSED</p> <p><u>ASED-NC-1804 SPIRE EMC E-Field RS test results non conformances</u> SPIRE have produced a draft analysis ref SPIRE-RAL-REP-002577 EMC teting is on going at RAL with additional filters in some lines the test should establish the performance of both filtered and unfiltered channels. NCR remains OPEN</p> <p><u>ASED-NC-1812 SPIRE detector chain partial failure</u> Problem was attributed to the QLA SW and this has now been updated. SPIRE will provide the version number of the new QLA SW NCR is CLOSED</p>	



Reference	Results	Remarks
	<p><u>ASED-NC-1083 SPIRE Mil bus functional behaviour out of requirement detected with IDAS</u> ASED confirm this was a measurement set up error and the Mil bus operated correctly through out the entire EQM test campaign The set up has now been modified as detailed in attached annex 2. NCR is CLOSED</p> <p>ASED-NC-1297 Launch latch configuration SPIRE to provide a update to the HDD containing the launch latch configuration, the harness and pin out has been manufactured in line with the detail provided in an e-mail from SPIRE. SPIRE to formalise</p> <p>AOB For future NCR status review an Agenda point will be added to the Progress meetings, ESA request that ASED PA provide the status prior to the PM.. ASED and AAS-F PA participation is requested and can be by telecom unless other wise decided ASED PA suggest that when the PRISMA NCR system is fully functional that ESA PA can generate the status as input for the PM but until this is effective ASED PA will perform the task</p>	

HP-112000-ASED-NC-1248 SPIRE SIH PSW_JFETV Gnd open line Integration;Open;12-JUL-05 SPIRE Elec Integration	Open	Discrepancy between EICD and IID-B Use as is for EQM	NO RFW to be raised for PFM
HP-112000-ASED-NC-1340 SPIRE FPU SIH Connectors not fully fixed Integration; Open; Cat 4; Unit	Open	Use as is for EQM	TBD Spire to supply sample of connector and fixing screws
HP-112000-ASED-NC-1375 "Source Sequence Counter Errors between instruments and CCS "Test",Open,"Soft","Unit", 22-AUG-05, SPIRE SFT Warm	Open	Open SPIRE to investigate Also seen on PACS and confirmed as OBSW fault. HIFI see smaller number of errors and SPIRE sees only a few. To be further investigated by Instruments	YES If not identified and resolved. Overflow of errors might result in a missed serious error.
HP-112000-ASED-NC-1662, "High correlation between cryo cover temp and SPIRE L1 temp ", "Test",Open,"Cat1","Subsystem", 25-OCT-05, SPIRE IMT Pt 2	Open	Open Way forward to be discussed at H-EPLM PM ESA will provide a Thermal model for EQM which can be used for further correlation.	TBD
HP-112000-ASED-NC-1688 ,"Evaporator temperature not correct wrt L0 temperature ","Test",Open,"Cat1","Unit", 07-NOV-05, PACS/SPIRE // Mode IMT	Open	Open SPIRE/ESA to Investigate. Possible calibration error (if so, then this should be solved in the MIB)	TBD
HP-112000-ASED-NC-1800 SPIRE EMC H-Field RS Test Results non conformances ","Test",Open,"Cat1","Module", 29-NOV-05 , SPIRE EMC test	Open	Open Spire to analyse results and see list of Harness related NCRs	TBD
HP-112000-ASED-NC-1804 SPIRE EMC E-Field RS test results non conformances ","Test",Open,"Cat1","Module", 30-NOV-05, SPIRE EMC Test	Open	Open SPIRE to analyse results and see list of harness related NCRs	TBD
HP-112000-ASED-NC-1812 SPIRE detector chain partial failure "Test",Open,"Soft","EGSE", 02-DEC-05 , SPIRE EMC Test	Open	Open SPIRE QLA SW fault To be corrected by SPIRE	TBD
HP-112200-ASED-NC-1083, "SPIRE: MIL bus functional behaviour out of requirement detect. w. IDAS" "Test",Open,"Soft","EGSE", 18-MAY-05, SPIRE IDAS Check out	Open	IDAS measurement protocol	None IDAS measurement protocol to be validated on EQM CW 50

	Name	Dep./Comp.		Name	Dep./Comp.
	Alberti von Mathias Dr.	ASG22		Schweickert Gunn	ASG22
X	Barlage Bernhard	AED13		Steininger Eric	AED32
	Bayer Thomas	ASA42	X	Stritter Rene	AED11
	Brune Holger	ASA45		Suess Rudi	OTN/ASA44
	Edelhoff Dirk	AED2		Thörmer Klaus-Horst Dr.	OTN/AED65
	Fehringer Alexander	ASG13		Wagner Klaus	ASG22
	Fricke Wolfgang Dr.	AED 65		Wietbrock Walter	AET12
	Geiger Hermann	ASA42		Wöhler Hans	ASG22
	Grasl Andreas	OTN/ASA44			
	Grasshoff Brigitte	AET12			
	Hartmann Hans	AED32	X	Alcatel Alenia Space Cannes	ASP
	Hauser Armin	ASG22	X	ESA/ESTEC	ESA
X	Hendry David	Terma			
	Hengstler Reinhold	ASA42		Instruments:	
	Hinger Jürgen	ASG22		MPE (PACS)	MPE
X	Hohn Rüdiger	AED65	X	RAL (SPIRE)	RAL
	Hölzle Edgar Dr.	AED32		SRON (HIFI)	SRON
	Huber Johann	ASA42		Subcontractors:	
	Hund Walter	ASE252		Air Liquide, Space Department	AIR
X	Idler Siegmund	AED312		Air Liquide, Space Department	AIRS
X	Ilsen Stijn	Terma		Air Liquide, Orbital System	AIRT
	Ivány von András	FAE12		Alcatel Alenia Space Antwerp	ABSP
	Jahn Gerd Dr.	ASG22		Austrian Aerospace	AAE
	Kalde Clemens	ASM2		Austrian Aerospace	AAEM
	Kameter Rudolf	OTN/ASA42		APCO Technologies S. A.	APCO
	Kettner Bernhard	AET42		Bieri Engineering B. V.	BIER
	Knoblauch August	AET32		BOC Edwards	BOCE
X	Koelle Markus	ASA43		Dutch Space Solar Arrays	DSSA
	Koppe Axel	AED312		EADS Astrium Sub-Subsyst. & Equipment	ASSE
	Kroeker Jürgen	AED65		EADS CASA Espacio	CASA
	La Gioia Valentina	Terma		EADS CASA Espacio	ECAS
X	Lamprecht Ernst	OTN/ASQ22		EADS Space Transportation	ASIP
X	Lang Jürgen	ASE252		Eurocopter	ECD
	Langenstein Rolf	AED15		European Test Services	ETS
	Langfermann Michael	ASA41		HTS AG Zürich	HTSZ
	Much Christoph	ASA43		Linde	LIND
	Müller Jörg	ASA42		Patria New Technologies Oy	PANT
	Müller Martin	ASA43		Phoenix, Volkmarshen	PHOE
	Peltz Heinz-Willi	ASG13		Prototech AS	PROT
	Pietroboni Karin	AED65		QMC Instruments Ltd.	QMC
	Platzer Wilhelm	AED2		Rembe, Brilon	REMB
	Reichle Konrad	ASA42		Rosemount Aerospace GmbH	ROSE
	Runge Axel	OTN/ASA44		RYMSA, Radiación y Microondas S.A.	RYM
X	Schink Dietmar	AED32		SENER Ingenieria SA	SEN
X	Schlosser Christian	OTN/ASA44		Stöhr, Königsbrunn	STOE
	Schmidt Rudolf	FAE12		Terma A/S, Herlev	TER