

From: Guy.Doubrovik@space.alcatel.fr
Sent: 03 March 2004 08:42
To: Sawyer, EC (Eric) ; matt.griffin@astro.cf.ac.uk; John Delderfield; k.j.king@rl.ac.uk; Carsten.Scharmberg@esa.int; Faas, Horst
Cc: Swinyard, BM (Bruce) ; Long, JA (Judy) ; Bernard.Collaudin@space.alcatel.fr; Marco Cesa
Subject: SPIRE open AI-Items for telecon #6

Importance: Low



SPIRE Actions
status_Open AI_0...

Dear all,
please here attached my SPIRE open AI list/status
To be checked (before telecon as much as possible) and discussed during telecon this
afternoon (See attached file: SPIRE Actions Status_Open AI_03-03-04.doc) Other items to
be added to Carsten list and to be discussed during telecon (almost AI to be taken):

This open AI list/status
IIDB 3.2 draft and final to be signed (*)
Answer from SPIRE to comments/inputs requested by ESA CCB held the
12/02/04, SCI-PT-MM-024070 (*), for both HPLM CDR (3.2) and system CDR
IIDB issues
ICD pack new issue 10 (only new FPU ICD's)
FCU/DCU QM1 ICD's and related harness (connectors position)
(*) see my previous mail "SPIRE IIDB 3.2 draft_ESA CCB" dated 02/02/04

Regards

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SPIRE Actions Status
From last SPIRE IF Meeting 10-02-04 , H-P-ASP-MN-4307

N°	ACTION DESCRIPTION H-P-ASP-MN-4307 SPIRE IF Meeting 10-02-04	DUE DATE	Firm / person	ACTION STATUS
1	Redundant connectors position on DCU/FCU QM1 should be included on CR 64/65 in a version 2 of the CR 64/65.	20/02/04	SPIRE	Open
2	SPIRE to reply to list of open points from Alcatel CCB included in Annex 1-2/3	27/02/04	SPIRE	Open
3	ESA to sort out the problem of availability of DRCU CQM 1 between HPLM EQM test & SPIRE FM test (summer/Autumn 2004)	03/03/04	ESA	Open
4	SPIRE to issue a CR with update of the FPU ICD to version 19	27/02/04	SPIRE	Open (partially closed by Pack issue 10 received 26/02, but without CR)
5	ASED to update the harness shield definition according to the clarification during the meeting.	17/2/04	ASED	Open
6	SPIRE to issue a CR if they want to increase the BSM motors currents from 40 to 60mA, and to investigate alternative solution (internal to SPIRE)	27/02/04	SPIRE	Open
7	Action to ASED to cross check that the currents which are used to design cables (ref IID-A 3.1 annex 8 tables) are compliant with the one in the HDD 1.1 + annexes in IID-B 3.11	27/02/04	ASED	Closed by HP-ASED-FX-0096-04 dated 13/02/04 with attached mails dated 12/02/04 and 16/02/04
8	SPIRE to update the integration procedure according to the ASED redlined version in annex 5		SPIRE	Open
9	It should be checked again if this vacuum grease can be used to avoid cold welding, or find an alternative for lubricating the screws.	27/02/04	ASED	Open
10	DCU/FCU model philosophy (QM2/FM) needs to be formalised . SPIRE will issue a RFW to formalise this situation	27/02/04	SPIRE	Open

From previous SPIRE IF Meetings (only open AI)

N°	ACTION DESCRIPTION H-P-ASP-MN-3961 SPIRE IF Meeting 18-11-03	DUE DATE	Firm / person	ACTION STATUS
2	Alcatel ask SPIRE to prepare a list of expected interface changes wrt current IID-B 3.0 baseline definition, to be discussed during next interface meetings	30/11	SPIRE	Open- new date 27/02/04
3	Astrium will evaluate how the termination of the cryoharness can be done in compliance with EMC test objectives (for instance terminating the unused cryoharness at the SVM bracket).	15/12	ASED	Closed ? by Fax HP-ASED-FX-0055-04 dated 03/02/04, stating baseline is: EQM identical to FM for units and harness, no specific EMC measure
9	SPIRE/MSSL will provide MGSE ICD by mid 01/04	15/01/04	SPIRE/MSSL	Open New date 27/ 02/04

N°	ACTION DESCRIPTION H-P-ASP-MN-3513 SPIRE IF&IIDB Meeting_4-09-03	DUE DATE	Firm / person	ACTION STATUS
11	Astrium will make a detail evaluation of the conduction / Dissipation (discriminate between both) of the SPIRE cryoharness to the FPU. (this could mean using electrical resistance at operating temperature).	15/12	Astrium A.H	Open new date = issue of the document for CDR (april 04)

N°	ACTION DESCRIPTION From HP-2-ASED-MN-0387. AIV meeting.	DUE DATE	Firm	ACTION STATUS
5	Thermal environment during IST-IMT. Worst T environment to still be able to test the cooler in the cryostat vs L0 and L1 temperatures	12/11/03	SPIRE	Still Open - Answer of SPIRE is that Instrument cannot be tested with proposed temperature environment (7K on level 1). No Cooler recycling possible. SPIRE will run the model and provide a feed-back. New due date: 15/03/04
8	most sensitive noises mode. Will be Identified in test sheet.	15/12/03	SPIRE	Still Open- Will be included in SPIRE TN 982 "SPIRE EQM test program definition" to be updated . New due date 13/02/04
11	Define power lines to be tested	15/12/03	SPIRE	Still Open- Idem AI 8

from SPIRE Progress Telecon's

N°	ACTION DESCRIPTION Progress Telecon #	DUE DATE	Firm / person	ACTION STATUS
	SCI-PT-21435 SPIRE Progress Telecon #2_ 29-10-03			
3	SPIRE to issue the Harness Definition Document version 1.2, which will reflect HDD1.1 plus update according annex 5 of SPIRE IID-B version 3.0 "SPIRE HDD 1.1 Deltas"	30/11	SPIRE	Open Problem of availability. Patches in IID-B are equivalent (HDD 1.1 + patch v.3 (tech not v3.0 should be replaced in IID-B). Keep open.

09/03/04