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ALCATEL ALENIA SPACE An Alcatel/Finmeccanica company		HERSCHEL/PLANCK		REF. : H-P-ASP-MN-8740			
				SPIRE-ALC-MOM-002823			
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COMPTE RENDU DE REUNION / MINUTES OF ME			EETING	LIEU / PLA	ACE :Teleconf	erence	
OBJET / PURPOS				CLASSIFI	CATION :		
SPIRE WIH (Warm Interconnecting Harness) DRB (Delivery Review Board) (SPIRE to ESA/Industry)							
		SIGNATURE		CIPANTS	SOCIE		SIGNATURE
ATTENDEES E.Sawyer	FIRM	SIGNATURE		NDEES	FIRM		SIGNATURE
,	SPIRE		_		ASEI		
E.Clark	SPIRE/PA		J.L	ang	ASEI	D	
D.Griffin	SPIRE	_	N.S	Sonn	ASEI	D	
C.Scharmber	rg ESA		B.Barlage		ASED/	/PA	
J.Rautakosk	Rautakoski ESA/PA B.Collaudin		AAS-	-F			
			B.Go	obillot	AAS-	-F	
			A.K	night	AAS-F,	/PA	
REDACTEUR / WRITTEN	N BY : B.Collaudin						
CONCLUSION : DRB is declared successful, and the harness can be shipped pending closure of open work and open actions. Main open work is to wrap the harness with Teflon tape, and to refine the connector labelling (with proper units acronyms) Need date is 29/1 at Astrium for integration on SVM panel.							
<u>DISTRIBUTION</u> : PARTICIPANTS /	POUR ACTION : FOR FURTHER ACTION	Participants + ION					
ATTENDEES	POUR INFORMATIO	ASED: R.Hohn, AAS-F:T.Grassi PACS: O.Bauer	ESA: G.crone , A.Heske,, F.Pedersen ASED: R.Hohn, M.Mueller, J.kroeker. AAS-F:T.Grassin, G.Doubrovik, Y.Roche, D.Montet PACS: O.Bauer HIFI: K.Waffelbakker				
		APPROUVE PAR	/ APPROVED	BY			
NOM / NAME							
SIGNATURE / SIGNATURE							

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SUITE / CONTINUED :				ACTION		
0: Introduction It has been demanded to deliver the the rest of the instruments), on order panels with all the harnesses layers (integration will be performed with war connectors.						
EIDP has been uploaded on ftp by sp report) ftp:// ftp.hp-instruments.as-b2b.com/s reference of this EIDP is: SPIRE-SAF	spire_to_industr	ry/WIH/SPIR	E WIH EIDP/			
1. Confirm list of deliverab AI 1 SPIRE: Add a formal delivery list screws)		ems delivere	ed.(including WIH, savers,	AI 1 SPIRE 29/1 (delivery)		
2. Review the Configuratio Included. No difference in ABCL/CID			DL (as-designed).			
SPIRE electrical ICD (SPIRE Harnes 000608_1.3) is not compliant with the harnais de vol W1 à W8 V2_1.xls W8 has been checked. Acronyms are different.(refers to subs Pin allocation are different						
Here is a summary of the differences						
Hamess ICD in EIE W 1HERSCHEL/SPIRE/DCU DCU/P01> DPU/F W 2HERSCHEL/SPIRE/DCU DCU/P02> DPU/F	P07 DCU J01:	> DPU J07 0	comments clarify J/P			
W 3HERSCHEL/SPIRE/FCU SCU/P03> DPU/F W 4HERSCHEL/SPIRE/FCU SCU/P04> DPU/F W 5HERSCHEL/SPIRE/FCU MCU/P01> DPU/F W 6HERSCHEL/SPIRE/FCU MCU/P02> DPU/F	P09 FCU J03	> DPU J09 \$ > DPU J12 \$ > DPU J08	SCU not known to industry, use FCU SCU not known to industry, use FCU MCU not known to industry, use FCU MCU not known to industry, use FCU			
W 7HERSCHEL/SPIRE/DCU DCU/P03> PSU/F W 8HERSCHEL/SPIRE/DCU DCU/P04> PSU/F	P07 FCU J07:	> DPU J03 t	ypo in connactor names: HDD to be corrected ? ypo in connactor names: HDD to be corrected ?			
However industry concern is related to routing and connectors .not detailed pin to pin connection						
It is agreed that the SPIRE HDD 1.3 labelling)	remains the or	nly ICD for th	<mark>e WIH</mark> (to be used for	AI 2 SPIRE		
AI2: SPIRE to check the WIH_ICD from HDD with this EIDP (or refer to it) HDD to be corrected.	25/1					
The WIH is not electrically isolated from the structure as was recommended after the STM2 EMC test on the cryostat. AI 3: It is agreed that the SPIRE WIH should be wrapped with teflon tape. ASED will provide				AI 3 SPIRE 29/1 (delivery)		
the tape to SPIRE to wrap the WIH.						
3. Review the actual build status for hardware and software ABCL (as-built). a. Review of relevant change proposals status and reconciliation of changes						

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b. Establish potential deviations to t	the design qualification baseline	e or to different models.		
Comment from ASED:				
Covered by above section.				
4. Review the status of non	-conformances (major	+ minor).		
Remark: NCR: 17/11/06 06H026/FN0 planning impact use of connectors comp		ion on cables book no		
AI 4 – SPIRE to verify that the NCR 1 included in ICD issue 2.1	447 has been closed by modifi	cation of the harness, and	<mark>al 4 spire</mark> 25/1	
No additional NCR was raised during	the instrument level test.			
5. Review the status of wai NA				
6. Evaluate inspection resu a. Verify witness samples	Its including cleanlines	is status.		
A RAL generated an inspection repor Harness bagged in conductive/non di Harness fixed on mock-up with plastic	sruptive foils			
There is no requirement for Instrumer on SVM)	rnesses (on PLM yes, not			
Outgassing requirement is in IID-A 5.	DML.			
b. MIP/KIP reports 06H026_RC_PDY_1415_06_fab_ctrl this refers to the old version of the IC				
7. Review the status of the reports. a. Review the verification status of b. Qualification/Acceptance test suc	requirements, VCD	ow and test		
2 levels of tests: At unit level (included in the EIDP) At Instrument level: at the end of FM4 taking into account all harness function Test report will be included with the S				
ASED state that the resistance requir between 1 and 2.2 ohms for length of do not allow to verify the harness qua				

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identified by higher resistance value of milliohms.	compared to good one, as the 2	2m of cop	per should be		
 8. Establish acceptability o safety issues were covered dangerous goods declarat NA 9. Review all interfaces an 					
No additional points 10. Evaluate Historical Rec Records, Open Work Recor Flag Items, and other, sect completeness.	ords, Mate/demate log ds, Temporary Installa	tion Re			
Historical record will be done at SPI Mate-Demate log: AI 5 the existing manufacturing tests, and is to be corr the hardware. Limited lifetime items None Open work : To warp the harness wi inspection at reception.	AI 5 SPIRE 29/1 (delivery)				
AI 6: SPIRE to make the harness labe (DPU/DCU/FCU). Use Temporary Installation Records Harness to be delivered with black ES Red Flag Items (see above: black ca other, sections of ADP for content SPIRE to Add a reference number & section of the EIDP) SPIRE-RAL-PR	AI 6 SPIRE 29/1 (delivery)				
Discussion on DPL: Brazing is mention as indicated by the french version (br None of the CAMERIN process seem AI 7 SPIRE to clarify the qualification 11. Evaluate Operational of	AI 7 SPIRE 29/1 (delivery)				
Manuals. AI 8 SPIRE is preparing an integration before delivery. No special ESD precaution required On units, the paint free areas are then need not to be scratched. Only cleaned 12. Review the hardware s handling shipping, and sto OK. No more than written before.	n procedure to be added to EII by SPIRE (as will be written in re, paint free, but covered with ed.	DP To be integratio yellow alo	e circulated on procedure). odine 1200, that	AI 8 SPIRE 29/1 (delivery)	
13. Visual inspection of HV done. By SPIRE (ref inspection repo		ing PM 3	1 (watching the		

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hardware)

To be repeated at reception.

14. Conclusion

SPIRE comment that the EIDP is available since 2 weeks, and should have been reviewed earlier to avoid that the actions are on the critical path for delivery.

Harness is needed in Astrium on 29/1, for integration in week 5 on SPIRE FM panel (using warm units mockups) SPIRE support is not needed to integrate the harness.

DRB is declared successful, and the harness can be shipped pending closure of open work and actions. Shipping Contact: Martin Mueller and S. Idler

Shipping Contact: Martin Mueller and S. Idler Shipping address

EADS Astrium GmbH Claude-Dornier -Strasse D-88039 Friedrischshaven Germany

END OF MEETING

An Alcatel/Finmeccanica	compa	HERSCHEL/PLANCK	REF. : H-P-ASP-MN-874 DATE : 18/01/2007 LIEU / PLACE :Teleconferen	PAGE : 6/	
-		ACTION			DATE
INITIATOR	N°	DESCRIPTION		ACTIONEE	DUE
Firm / person				Firm / perso	n
	1	SPIRE: Add a formal delivery list including all items delivered.(in screws)	ncluding WIH, savers,	SPIRE	29/1
	2	SPIRE to check the harness ICD of the EIDP, against the SPIF HDD with this EIDP (or refer to it)	SPIRE	25/1	
	3	SPIRE to wrap the WIH with Teflon tape. ASED will provide the the WIH.	SPIRE	29/1	
	4	SPIRE to verify that the NCR 1447 has been closed by modifica included in ICD issue 2.1	SPIRE	25/1	
	5	the existing mate-de-mate log from the EIDP covers o tests, and is to be completed by SPIRE for SPIRE level t the hardware.	SPIRE	29/1	
	6	SPIRE to make the harness labelling compatible with warm units names		SPIRE	29/1
	7	SPIRE to clarify the qualification of the CAMERIN processes.		SPIRE	29/1
	8	SPIRE is preparing an integration procedure to be added to EIDP To be circulated before delivery.		SPIRE	29/1