

SPIRE-ALC-COM-001057

From: Bernard.Collaudin@space.alcatel.fr
Sent: 11 December 2001 10:21
To: Pl's_-_Project_managers@vzmata01.netfr.alcatel.fr
Cc: gerald.crone@esa.int; astrid.heske@esa.int; Jean.Bruston@esa.int;
Javier.Marti.Canales@esa.int; Jean-Philippe.Chambelland@space.alcatel.fr
Subject: Information related to harness, and ICD's



Microsoft Excel 97 ICD_Instrument_1.d
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We are in the process of defining the harness routing for Herschel Planck SVM's
We have proposed to all instruments preferred position for connectors, and
preferred location for harnesses on the panels

To go further, we need more information related to the warm interconnecting
harness.

Here is a summary of the missing information to complete the exercise.

Can you provide this information asap.

(See attached file: reqharness.xls)

This information has to be included in the IID-B via change requests.

The ICD format is the right format for that (in addition to the detailed
Interface drawings, and the missing information about position of centre of
gravity and inertia of all boxes).

(See attached file: ICD_Instrument_1.dot)

HERSCHEL	HIFI	FHFCU	FHLCU	FHLSU	FHHRI	FHHRH	FHHRV	FHWEV	FHWEH	FHWOV	FHICU	FWHO	PACS	FPDEC 1+FPDEC	FPMEC 1+FPMEC	FPBOLC	FPDPU	FPSPU	SPIRE	HSDPCU	HSDPU	CCU
	Harness Interconnecting diagram	M												M						M		
Connector side location		A	A	M	A	A	A	A	A	M	A	M		M	M	M	M	M		M	M	M
Connector position		M	P	M	M	M	M	P	P	M	P	M		M	M	M	M	M		M	M	M
Connector type		M	P	M	M	M	M	P	P	M	P	M		A	A	A	A	A		M	M	M
Connector quantity		A	A	M	M	M	M	A	A	M	A	M		M	M	M	M	M		M	M	M
Typology of connector backshell		M	M	M	M	M	M	M	M	M	M	M		M	M	M	M	M		M	M	M
Bundle diameter (each connector)		M	M	M	M	M	M	M	M	M	M	M		M	M	M	M	M		M	M	M
Block diagram	P												A						P			M
Length constraints	TO BE SPECIFIED FOR UNITS WITH INTERCONNECTION																					
Bend radius	IF REQUIRED																					
Legend																						
A = available in IIDB issue2																						
M = missing in IIDB issue 2																						
P = Present but not readable																						

PLANCK	HFI	PHBA	PHCBA	PHCBC	PHDA	PHDB	PHDC	PHEAA	PHEAB	PHEC	PHED	LFI	DAE	PLBEU	PLREN	PLRER	SORPTION COOLER
	Harness Interconnecting diagram	M											M				
Connector side location		M	M	M	M	M	M	M	M	M	M		M	M	A	A	M
Connector position		M	M	M	M	M	M	M	M	M	M		M	M	P	P	M
Connector type		M	M	M	M	M	M	M	M	M	M		M	M	M	M	A
Connector quantity		M	M	M	M	M	M	M	M	M	M		M	M	P	P	A
Typology of connector backshell		M	M	M	M	M	M	M	M	M	M		M	M	M	M	M
Bundle diameter (each connector)		M	M	M	M	M	M	M	M	M	M		M	M	M	M	M
Block diagram	A											A					M
Length constraints	TO BE SPECIFIED FOR UNITS WITH INTERCONNECTION																
Bend radius	IF REQUIRED																
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