



NON-CONFORMANCE REPORT (NCR)

NCR Number: HR-SP-RAL-NCR-034v1

Spacecraft / Project	Herschel/SPIRE	Originator's Name	Sunil Sidher
Experiment / Model	AVM	Signature	
Sub-System	DPU	Date	29/04/2003- 14 th Apr 2004
Assembly		Level (Highlight if applicable)	Major Minor
Sub-Assembly			
Item		NRB Reference	SPIRE-RAL-MoM-001616
Serial Number	HSDPU		

NCR Occurred During (Highlight if applicable)	Manufacture	Inspection	Test	Integration	Other
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NCR Title	DPU Power interface discrepancy
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NCR Description
The pin outs for the power connector on the DPU were found to be different in the DPU ICD version 1.1 and the harness definition document version 1.1.

Cause of NCR
Bad configuration control of documentation.

Disposition / Corrective Action
NRB MoM's No SPIRE-RAL-MoM-001616 Attached Main points duplicated here i.e. Options are:- 1.) Change DPU wiring:- Not preferred as it becomes non-standard, (Not the best engineering solution) 2.) Change Harness Drawing/Document:- and correct wiring of incorrect part accordingly. Option 2 may not be acceptable to industry John Delderfield to investigate if Alcatel would be willing to change the Space Craft Harness Harness Definition Document: SPIRE-RAL-PRJ-000608 issue 1.2 corrects this. NCR Closed ref SPIRE-RAL-MoM-002250 NCR NRB 20 Dec 04

Document or Drawing Affected (Title, Number & Issue)
Reclassified as Major (v1) at in depth PA Meeting 13/14 th April 2004

NCR CLOSED	Name	Sign & Date	
		Approved	Rejected
Engineering:	Eric Sawyer		
Product Assurance:	Eric Clark		
CCB-Chairman:	N/A		
Principle Investigator	N/A		
Product Assurance:	Jan Rautakoski		
Co-Investigator			
Prime Contractor			
ESA Project Office			

		MINUTES OF MEETING (MoM)		PRODUCT ASSURANCE Space Science and Technology Department	
Spacecraft/Project	HERSCHEL	Document No	SPIRE-RAL-MoM-001616		
Instrument/Model	SPIRE / AVM	Issue No / Rev	1	Page	Page 1 of 3
Subsystem	DPU	Date	29 April 2003		

Title / Subject	DPU PSU pin out error	Chairman	
Meeting Place		Secretary	

Participants		Agenda
(Print Name) Eric Sawyer Doug Griffin John Delderfield Ken King Eric Clark	(Signature Required)	Discuss the best course of action to correct the difference in pin outs between the DPU and PSU Harness
Additional Distribution		Attachments

MINUTES OF MEETING (MoM)

Spacecraft/Project	HERSCHEL	Document No	SPIRE-RAL-MoM-001616		
Instrument/Model	SPIRE / AVM	Issue No / Rev	1	Page	Page 2 of 3
Subsystem	DPU	Date	29 April 2003		

Action No	Title and Description	Action Responsibility	Action Deadline
	<p>When inspected DPU PSU cable J1 had different pin out to Harness drawing Pin 9 on DPU is pin 8 on harness Document. NCR HR-SP-RAL-NCR-034 raised accordingly</p> <p>Options</p> <p>1.) Change DPU wiring: - Becomes non-standard, not the best engineering solution.</p> <p>2.) Change Harness Drawing/document: - Best engineering solution, may not get industry to agree change.</p>		
A1	Find out from CEA what interface document they are using & confirm DRCU is using the same. (DRCU Are using same interface document)	Doug Griffin	Completed at meeting.
A2	<p>Investigate with Alcatel if they are willing to change Space Craft Harness</p> <p>Meeting adjourned until response from Alcatel is received Date of next meeting TBD</p>	John Delderfield	1st May 2003