

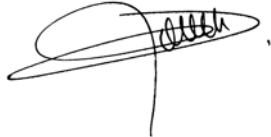



Herschel – SPIRE

SPIRE SMEC FM

Visual inspection report

Fichier: LAM.SSP.SPI.PR.V.0606_01_10_SMEC FM Visual inspection report.doc

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Change record

Date	Edition	Révision	Modification	Pages concernées
17/10/2004	1	0	First release	All

Distribution List

Institut	Nom	Issue/Révision									
		D-	1/0								
CNES	Blanc Y.										
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LAM	Moreaux G.										
LAM	Origné A.										
LAM	Pouliquen D.		X								
LAM	Rousset G.		X								
	SMEC FM ADP		X								



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1 Introduction

This document gives the results of the visual inspection carried out on the SMEC FM before delivery to RAL.

2 Documents

2.1 Applicable Documents

no.	document name	document number, Iss./Rev.

3 Visual inspection results

See the following page



Item : SMEC	VISUAL INSPECTION
Model : FM	
1 : <u>IDENTIFICATION LABEL</u> There is no Identification Label on the flight unit. The FM identification can be obtained thanks to the SMEC Baseplate serial Number SPI-MEC-DD-01-10	
2 : <u>GENERAL APPEARANCE</u> The status of the SMEC FM is nominal; The cable are maintained thanks to adhesive kapton tape on the transport baseplate	
3 : <u>THERMAL FINISH (conformance, quality)</u> <u>Not applicable</u>	
4 : <u>CONNECTORS</u> The four connectors MDM 37S, J27A, J28A, J29A, J30A are equipped with savers and are attached on the connector bracket dedicated to the transport. The rear part of the connectors is shielded with aluminum tape.	
5 : <u>CONNECTOR SAVERS</u> A connector saver is installed on each of the four connectors	
6 : <u>PROTECTIVE COVERS</u> <u>Not applicable</u>	
7 : <u>TESTS COVERS</u> <u>Not applicable</u>	



8 : **HARNESSES (Experiment intercommunication and test harnesses)**

A requested in the Harnesses specifications, the four cables of the SMEC are shielded with an EMI braid.

A Non Conformance on the length of two of the harnesses has been identified during the I/F verification. A NCR and a RFW have been issued. See section 11,12, 23,24 of the FM ADP.

9 : **CLEANLINESS**

All the constitutive mechanical parts of the SMEC FM have been cleaned and then baked out according to the LAM procedure. The mechanical integrations and the functional tests have been implemented in class 100 clean room. The test in cold condition was implemented in a thermal vacuum facility located in class 10000 clean room.

A verification, with a UV lamp of the dust contamination has been made before packing. And a cleaning has been carried out to remove the identified dusts.

10 : **SAFETY DEVICE (If applicable)**

Not applicable

11 : **HANDLING PROVISION**

Not applicable