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ORIGINAL

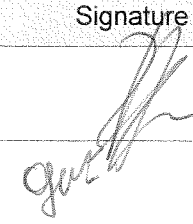
### Change Record

Edition	Date	Observations
00	20/09/06	First edition
01	10/11/06	Update with new reference of EMC back shell (§ mechanical parts), manufacturing & test configuration
02	21/11/06	Update with test result

### Distribution List

- internal : to whole of the personnel via the data-processing network and the original signed in the project file
- external : CEA

### Stamps

	Name & Function	Date	Signature
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### 1. SCOPE

The aim of this document is to list documentation configuration used to design, manufacture and test Herschel Spire DC Harness.

### 2. CEA DOCUMENTS

#### 2. 1. ELECTRICAL / HARNESS MANUFACTURING SPECIFICATIONS

DOCUMENT NAME	REFERENCE	Issue
Herschel Spire harnais de vol, carnet de câbles WIH – W1 à W8	Sap-SPIRE-LD-0405-06	2.1
Polyimide insulated wires & cables, low frequency, 600V, -100°C to 200°C	ESA/SCC detail specification N°3901/002	3

#### 2. 2. MECHANICAL / MOCK-UP SPECIFICATIONS

DOCUMENT NAME	REFERENCE	Issue
Modèle CATIA ME.HES.112301221.D± -Z±LATERAL±PANEL±HRN±ELT±ASSY±(SPIRE).model		
Modèle CATIA ME.HES.A11F.Z.013SA.G± ±DM±EQUIPT±SVM±HERSCHEL±-Z±SPIRE.model		
Modèle CATIA HP112301-22-1A-ZLATERALPANELHRNELTASSY(SPIRE)SOE.step		
Herschel HSDCU – free area for harness supports	HES114HS002FA – DD01, DD02	00 -
Herschel HSFCU – free area for harness supports	HES114HS003FA – DD01 à DD03	00 -
SVM Spire Instrument panel ASSY - Date 21/01/05	HP-NXH-DW-1022	
Herschel Spire (DPU) Interface Control Document	20-SPIRE-00.02	/
Spire HSDCU Electronic Box Mechanical Interface Control Document	SPIR-MX-5100 000	G
Spire FCU Electronic Box Mechanical Interface Control Document	SPIR-MX-5200 000	K

### 3. BTS DOCUMENTS

#### 3. 1. PROJECT & QUALITY

DOCUMENT NAME	REFERENCE	Issue
Plan Assurance Qualité Produit Générique	PROC/CAMC/026	01
Declared Material List	06H026/LIM/JCU/1146/06	01
Declared Process List	06H026/LIT/JCU/1147/06	01

#### 3. 2. MECHANICAL PARTS

DOCUMENT NAME	REFERENCE	Issue
Capot pour prise SubD 25 broches (h35 - sortie 40° gauche)	CA 86 25	02
Capot pour prise SubD 25 broches (h35 - sortie 40° droite)	CA 87 25	01
Capot pour prise SubD 25 broches (h35 - sortie latérale D)	CA 88 25	01
Capot pour prise SubD 25 broches (h38 - sortie latérale G)	CA 62 25_1	00

#### 3. 3. ELECTRICAL TEST

DOCUMENT NAME	REFERENCE	Issue
Test procedure – Herschel Spire DC harness	06H026/PR/DHN/1401/06	00
Table de brochage entre le testeur WEE et le harnais DC Herschel	06H026/LI/DHN/1407/06	01
Programme de test continuité et isolement WEE pour harnais DC Herschel Spire	06H026/PT/DHN/1406/06	01
Liste des mesures manuelles 4 fils	06H026/LI/DHN/1408/06	00

## 4. AS BUILT

### 4. 1. MOCK-UP

Scale1 drawing performed by our design office following

Modèle CATIA	ME.HES.112301221.D± -Z±LATERAL±PANEL±HRN±ELT±ASSY±(SPIRE).model
Modèle CATIA	ME.HES.A11F.Z.013SA.G± ±DM±EQUIPT±SVM±HERSCHEL±-Z±SPIRE.model

Equipments mock-up (Useful parts) manufactured following MICD

DOCUMENT NAME	REFERENCE	Issue
Herschel Spire (DPU) Interface Control Document	20-SPIRE-00.02	/
Spire HSDCU Electronic Box Mechanical Interface Control Document	SPIR-MX-5100 000	G
Spire FCU Electronic Box Mechanical Interface Control Document	SPIR-MX-5200 000	K

As built = As design

### 4. 2. HARNESS MANUFACTURING

DOCUMENT NAME	REFERENCE	Issue
Herschel Spire harnais de vol, carnet de câbles WIH – W1 à W8	Sap-SPIRE-LD-0405-06	2.0
Component traceability list	06H026/LI/BZN/1182/06	00
List masses of each cable	06H026/LI/DHN/1414/06	00
Quality Report	06H026/RP/CGT/1145/06	00

Herschel Spire harnais de vol, carnet de câbles WIH – W1 à W8 Sap-SPIRE-LD-0405-06 Iss2.1 = Sap-SPIRE-LD-0405-06 Iss2.0 + the Non conformance report 06H026/FNC/JBS/1447/06

As design = As built

### 4. 3. ELECTRICAL TEST

DOCUMENT NAME	REFERENCE	Issue
List mate / demate of the harnais PSU Spire Herschel	06H026/LI/JCU/1379/06	15/11/06
Test report	06H026/RC/PDY/1449/06	/
Quality Report	06H026/RP/CGT/1145/06	00

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