



**HERSCHEL**

**SPIRE**

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## **DRCU Simulator Attachment to AVM DPU Procedure**

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Host system	Windows 2000 SP2
Word Processor	Microsoft Word 2000 SR1
File	



### Document Change Record

Date	Index	Affected Pages	Changes
21-February-2007	Draft 0.1		First version emailed as word doc attachment without document number during AVM test at Astrium, Friedrichshafen.
22-February-2007	Draft 0.2		Grounding step and procedure completion comment updated
21-March-2007	Issue 1.0		Give email attachment a document number.



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## 1 Scope of Document

This procedure is relevant to the EGSE set-up at Astrium, Friedrichshafen on 21.02.07. The set-up of the DRCU Simulator to the AVM DPU is described.

## 2 Applicable Documents

AD1 Astrium test procedure, HP-2-ASED-TP-0142 Issue 1.0.

## 3 ESD Safety

All relevant Astrium ESD Safety measures are to be taken when touching the DPU and it's cables to the Spacecraft and later DRCU Simulator.

## 4 Set-Up Description

- The AVM DPU is connected to the Spacecraft. (It has connectors labelled J1, J2, J3, J7, J8 and J9.)
- J1 is connected to the Spacecraft power and is not touched (or changed in any way).
- J2 and J3 are connected to the Spacecraft via Mil bus cables and are not touched (or changed in any way).
- The spacecraft needs to be switched off.
- The keyboard, mouse and monitor is attached to the DRCU Simulator PC whilst it is switched off.
- The DRCU Simulator PC and it's monitor's power supply cables are grounded using a MITU 4000 Isolating Transformer to avoid grounding loops.
- When confirmation is given by Astrium staff that the spacecraft is off, the following cables are altered.
- Cables to J7, J8 and J9 on the AVM DPU are removed.
- The connector J7 on the AVM DPU is connected to CH1 on the DRCU Simulator PC with the cable labelled CH1.
- The connector J8 on the AVM DPU is connected to CH2 on the DRCU Simulator PC with the cable labelled CH2.
- The connector J9 on the AVM DPU is connected to CH3 on the DRCU Simulator PC with the cable labelled CH3.
- The DRCU Simulator PC is switched on. The user is administrator and there is no password.
- The Spacecraft is switched on.

Note: The DRCU Simulator PC is left on but the file transmit.exe on the desktop is run only at the applicable step in Astrium test procedure HP-2-ASED-TP-0142 Issue 1 (AD1).

End of Set-up procedure.

Test procedure completed 22.02.2007 at ~10:00.