

Registration for DCP Certification

All Data Collection Platform (DCP) Radio Transmitters that form part of the Meteosat DCS must be certified for use with the Meteosat system. EUMETSAT offers a certification service to all manufacturers of Meteosat DCP Radio Transmitters (SRDCP and HRDCP). The details supplied in this form will enable EUMETSAT to initiate the certification process. The certification process is described below and details on the test procedures are given at the end of this document.

Detailed information on “Meteosat Data Collection and Retransmission Service” is provided in the Technical Description TD16, available on EUMETSAT website (www.eumetsat.int) under the “Documentation” section.

For further information on all services provided by EUMETSAT, please consult the relevant service Technical Description, available under the same section of EUMETSAT website.

Certification Process

The certification process consists of the following steps:

- Certification request to be made by the manufacturer using the present EUMETSAT form.
- Acknowledgement made by EUMETSAT and a test date agreed.
- Four weeks prior to the scheduled test date the manufacturer shall submit to EUMETSAT a test plan and detailed test procedures for EUMETSAT’s review and agreement.

The reference documents for the EUMETSAT requirements will be:
EUM/OPS/DOC/08/0325 v1G [TD16]

- Following a successful laboratory test, the manufacturer shall arrange a suitable location for performing a 24 hour test using one of the EUMETSAT spacecraft. EUMETSAT will assign a test frequency and ID, then collect and analyse the messages for this “live” test.
- The manufacturer shall submit a complete test report to EUMETSAT within four weeks of the conclusion of the “live” test; these data will be reviewed by EUMETSAT and any discrepancies will be noted to the manufacturer and a suitable partial or complete re-test will be organised if required.



1 Applicant Information

First Name:			
Last Name:			
Organisation <i>(if applicable):</i>			
Street/P.O. Box:			
Postal Code:		Phone No:	
City:		Fax No.:	
Country:		E-mail:	

2 Information Concerning Manufacturer's Co- & Sub-contractors

2.1 Address Details:

First Name:			
Last Name:			
Organisation:			
Street/P.O. Box:			
Postal Code:		Phone No:	
City:		Fax No.:	
Country:		E-mail:	

2.2 Equipment to be supplied by Contractor(s):

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2.3 Has this equipment already been submitted to certification tests?:

If so, when and where?:

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What were the results?:

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3 Description of the Platform

3.1 Type of platform (Please indicate if the DCPRS is an SRDCP, HRDCP or both):

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3.2 DCP model and serial number:

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3.3 Weight:

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3.4 Size:

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3.5 Country of origin:

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3.6 Value:

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3.7 DCPRS uplink frequency:

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3.8 Power output:

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3.9 Operating temperature range:

Max:
Nom:
Min:

4.7 Is the gain a calculated or a measured value?:

(If measured, please include test report)

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4.8 Operating temperature range:

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4.9 Operating environment conditions:

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4.10 Installation details:

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5 Description of the Interconnection Cable

5.1 Cable model and serial number (if any):

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5.2 Cable type and supplier:

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5.3 Connectors type and supplier:

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5.4 Length of cable:

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5.5 Loss in cable:

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5.6 Operating environment conditions:

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6 Platform Usage

6.1 Principle applications:

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6.2 Restrictions in applications:

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6.3 Previous deployment of similar DCP designs:

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7 Planning

7.1. Please indicate if the DCPRS will be tested at the manufacturer's premises and if not, at which location.

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7.2. Please indicate if the 24 hour test using a Meteosat spacecraft will be performed at the manufacturer's location or if the test will be required to be performed at a EUMETSAT MTP/MSG ground station. If the test will be performed at a EUMETSAT ground station, please indicate if the manufacturer will supply their own antenna for the test or use a EUMETSAT antenna.

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7.3. Please state the preferred period for certification tests (several weeks notice may be required to ensure proper planning of tests).

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8 Additional Information

Do you have any additional points requiring clarification?

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Once completed, please send this registration form to the address provided below:

The User Service Helpdesk
EUMETSAT
Eumetsat-Allee 1
64295 Darmstadt
GERMANY

Tel: +49 6151 807 366/377
Fax: +49 6151 807 379
Email: ops@eumetsat.int

Test Details

- **Test Plan**

As described above, four weeks prior to a scheduled certification test session, the manufacturer shall submit to EUMETSAT, for review, a detailed test plan showing how each of the EUMETSAT requirements will be demonstrated to be met. It is expected that compliance with each requirement will be demonstrated by a test, however in the case where a requirement is mutually deemed to be un-testable then the compliance to this requirement shall be demonstrated by Analyses or in exceptional circumstances by Design. The test plan document shall contain a matrix showing all the EUMETSAT requirements and how compliance will be demonstrated (Test, Analyses or Design).

- **Test Procedures and Analyses**

As described above, four weeks prior to a scheduled certification test session, the manufacturer shall submit to EUMETSAT, for review, a set of detailed step by step test procedures describing how each test will be performed and the required test result and measurement error analyses. In addition any analyses required to demonstrate an un-testable requirement shall also be submitted at this time.

- **Test Facility**

The manufacturer will arrange for a suitable test facility either at his premises or at a third party premises, where there is the required equipment (test equipment, ovens, variable power supply etc.) necessary to perform the certification tests. All costs for the facility and personnel required to perform the tests will be the responsibility of the manufacturer or the entity submitting the certification request. EUMETSAT will be responsible for the costs associated with witnessing the tests and reviewing test plans, procedures and test results.

- **On-Satellite Test**

The manufacturer will arrange for a suitable test facility either at his premises or at a third party premises, where there is the required visibility of a EUMETSAT spacecraft in order to perform a 24 hour test using the EUMETSAT spacecraft and the EUMETSAT DCP reception and processing facility. The purpose of this test is to demonstrate that the DCPRS under certification process is fully compatible with the EUMETSAT system. EUMETSAT will assign a test frequency to be used for the test and will arrange to collect the test messages and statistics associated with each message. These data will be provided to the manufacturer for inclusion in the test report.

All costs for the facility and personnel required to perform the test will be the responsibility of the manufacturer or the entity submitting the certification request. EUMETSAT will be responsible for the costs associated with collecting the test data and statistics.