

## ***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 Standard Rate and High Rate 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. Details about the test procedures are given at the end of this document. The certification of SRDCP will only be provided for backwards compatibility purposes. It is expected that all newly allocated DCPs will be of the type HRDCP. This makes the most efficient use of the allocated DCS bandwidth.

Detailed information on “Meteosat Data Collection and Retransmission Service” is provided in the Technical Description TD16, available on EUMETSAT website ([www.eumetsat.int](http://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 latest published version of this form.
- Acknowledgement made by EUMETSAT and an agreement on the next steps.
- The manufacturer shall submit to EUMETSAT a test plan and detailed test procedures for EUMETSAT’s review and agreement<sup>1</sup>.
- Following a successful review of the test plan EUMETSAT will notify the manufacturer that the verification tests can proceed. It will be at the discretion of EUMETSAT to decide if they send a representative to witness these tests.
- The manufacturer shall submit a complete test report to EUMETSAT within four weeks of the conclusion of the verification tests; 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.
- After the confirmation of the successful verification test result, EUMETSAT will arrange a live testing campaign. This testing campaign will normally take place during 3 working days at a EUMETSAT ground station<sup>2</sup>.
- Upon successful live testing completion, the manufacturer will be issued the certification.

---

<sup>1</sup> The reference document for the EUMETSAT requirements will be the latest published version available on the EUMETSAT website of EUM/OPS/DOC/08/0325 “TD 16 - Meteosat Data Collection and Distribution Service”.

<sup>2</sup> More information about the process can be found in the latest published version available on the EUMETSAT website of EUM/OPS/PLN/13/731900 “HRDCP Certification Plan”.

## 1 Applicant Information

First Name:			
Last Name:			
Organisation (if applicable):			
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 Designation of the DCP transmitter for which the Manufacturer is applying for the certification:

.....

.....

.....

.....

**2.3 Has this model already been submitted to certification tests?:**

If so, when and where?:

.....  
.....

What were the results?:

.....  
.....  
.....**3 Description of the Transmitter****3.1 Type of platform (Please indicate SRDCP, HRDCP or both):**.....  
.....**3.2 Transmitter model and serial number:**

.....

**3.3 Weight:**

.....

**3.4 Size:**

.....

**3.5 Country of origin:**

.....

**3.6 Value:**

.....

**3.7 Transmitter uplink frequency range:**

.....

**3.8 Max Power output:**

.....

**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)

.....  
.....

**4.8 Operating temperature range:**

.....

**4.9 Operating environment conditions:**

.....

**4.10 Installation details:**

.....  
.....  
.....  
.....

**5 Description of the Interconnection Cable****5.1 Cable model and serial number (if any):**

.....  
.....

**5.2 Cable type and supplier:**

.....

**5.3 Connectors type and supplier:**

.....

**5.4 Length of cable:**

.....

**5.5 Loss in cable:**

.....

**5.6 Operating environment conditions:**

.....  
.....  
.....

**6 Platform Usage****6.1 Principle applications:**

.....  
.....

**6.2 Restrictions in applications:**

.....  
.....

**6.3 Previous deployment of similar DCP designs:**

.....  
.....  
.....

**7 Additional Information**

Do you have any additional points requiring clarification?

.....  
.....  
.....  
.....  
.....  
.....  
.....  
.....  
.....  
.....

**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 3660/3770  
Fax: +49 6151 807 3790  
Email: [ops@eumetsat.int](mailto:ops@eumetsat.int)

## Test Details

- **Test Plan**

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 Report**

Once EUMETSAT are satisfied with the test plan the manufacturer will be instructed to perform the tests. It will be at EUMETSAT's discretion to decide if a representative from EUMETSAT should witness the tests. If a witness is required then EUMETSAT and the manufacturer will find a mutually acceptable schedule. The test report shall be provided to EUMETSAT for review, irrespective of the fact a witness attended or not. The purpose of this report is to prove that the transmitter submitted for certification meets the requirements as indicated in the TD16.

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.

- **Live Testing**

After a successful review of the test report EUMETSAT will arrange with the manufacturer to perform the live testing. This testing will nominally take place at one of EUMETSAT's ground stations. These tests will be conducted over a period of three full working days. During these tests a 24 hour stability test will be performed. The costs of transporting the manufacturer's personnel and equipment will be covered by the manufacturer.