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**Satellite Earth Stations and Systems (SES);
Network Control Facilities (NCFs) for
Land Mobile Earth Stations (LMESs)
operating in the 1,5/1,6 GHz bands providing
voice and/or data communications**

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Foreword

This European Telecommunication Standard (ETS) has been produced by the Satellite Earth Stations and Systems (SES) Technical Committee of the European Telecommunications Standards Institute (ETSI).

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1 Scope

This European Telecommunication Standard (ETS) provides specifications for the standardization of the characteristics of the minimum required Network Control Facilities (NCFs) for Mobile Earth Stations (MESs) with both transmit and receive capabilities in order to ensure that the network operator is able to suppress and enable the transmissions from the MESs. In particular, these facilities will permit to stop certain interference situations resulting from the emissions from the MESs.

This ETS defines specifications for the control facilities in an MES network operating voice and/or data communications, as defined in ETS 300 423 [1].

This ETS deals with specifications defined, in order to protect other users of the frequency spectrum from unacceptable interference.

2 Normative references

This ETS incorporates, by dated or undated references, provisions from other publications. These normative references are cited at the appropriate places in the text, and the publications are listed hereafter. For dated references, subsequent amendments to or revisions of any of these publications apply to this ETS only when incorporated in it by amendment or revision. For undated references the latest edition of the publication referred to applies.

- [1] ETS 300 423 (1995): "Satellite Earth Stations and Systems (SES); Land Mobile Earth Stations (LMESs) operating in the 1,5/1,6 GHz bands providing voice and/or data communications".

3 Abbreviations

For the purposes of this ETS, the following abbreviations apply:

LMES	Land Mobile Earth Station
MES	Mobile Earth Station
NCF	Network Control Facility

4 Test report

The test report shall contain:

- all parameters and operational conditions;
- the results of the tests.

5 Suppression of MES transmissions

Purpose:

To inhibit the transmissions from any MES when found necessary, with the Network Control Facilities (NCF).

Specification:

It shall be possible to suppress the transmissions from any MES in a network by entering the appropriate command at the NCF.

In the case of systems which do not inhibit initial burst transmissions from the MES (e.g. "request" or "login" bursts) it shall be possible to:

a) inhibit all communications from the MES terminal through the network;

and,

b) inform the MES user through the network that the MES is inhibited from making communications, in order to limit the number of initial burst transmissions.

Once the command to inhibit a selected MES is entered into the NCF, the necessary mechanism shall be invoked, so that the selected MES suppresses its transmission and enters into the inhibited state within 30 s.

Verification:

By documentary evidence and demonstration. Verification of transmission suppression shall be performed after commanding inhibition under the three following test conditions:

- before the MES is reset or powered on again;
- during a period of transmission;
- before an intended period of transmission.

6 Enabling of MES transmissions

Compliance with this clause is only required if requested by the manufacturer.

Purpose:

To re-enable transmissions from an MES or MESs whose transmissions have previously been suppressed.

Specification:

At the NCF it shall be possible to re-enable transmissions of the MES whose transmissions have previously been suppressed, provided a link is available.

Verification:

By documentary evidence and demonstration.

History

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