



EUROPEAN
TELECOMMUNICATION
STANDARD

ETS 300 722

June 1997

Source: TC-SES

Reference: DE/SES-05019

ICS: 33.020

Key words: Satellite, mobile, earth station, MES, MSS, LEO

**Satellite Earth Stations and Systems (SES);
Network Control Facilities for MES providing
Low Bit Rate Data Communications (LBRDCs)
using LEO satellites operating below 1 GHz**

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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).

Transposition dates	
Date of adoption:	20 June 1997
Date of latest announcement of this ETS (doa):	30 September 1997
Date of latest publication of new National Standard or endorsement of this ETS (dop/e):	31 March 1998
Date of withdrawal of any conflicting National Standard (dow):	31 March 1998

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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. These facilities will insure that certain interference situations, resulting from the emissions from interfering or faulty MESs, will be terminated; in particular for the protection of the radio astronomy services.

This ETS defines specifications for the control facilities in a satellite network in which MESs as defined in ETS 300 721 [1] operate.

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

2 Normative reference

This ETS incorporates by dated and undated reference, 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 300 721: "Satellite Earth Stations and Systems (SES); MES providing Low Bit Rate Data Communications (LBRDC) using LEO satellites operating below 1 GHz".

3 Abbreviations

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

MES	Mobile Earth Station
NCF	Network Control Facility

4 Test report

The test report shall contain the results of the test.

5 Suppression of MES transmissions

Purpose:

To inhibit the transmissions from any MES when found necessary, with the NCFs.

Specification:

By entering an appropriate command, said "inhibition command" at the NCF, it shall be possible to send a transmission disabled command to any MES in the network, in order to suppress its transmissions and to inhibit any further transmissions until a transmission enabled command is received.

Verification:

By documentary evidence and demonstration. Verification of transmission suppression shall be performed after commanding inhibition.

6 Enabling of MES transmissions

Purpose:

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

Specification:

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

Verification:

By documentary evidence and demonstration.

History

Document history	
February 1996	Public Enquiry PE 102: 1996-02-19 to 1996-06-14
February 1997	One-step Approval Procedure OAP 9724: 1997-02-14 to 1997-06-13
June 1997	First Edition