



SLOVENSKI STANDARD SIST ETS 300 459 E1:2006

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Satellite Earth Stations and Systems (SES); Network Control Facilities (NCF) for
Maritime Mobile Earth Stations (MMES) operating in the 1,5/1,6 GHz and 11/12/14 GHz
bands providing Low Bit Rate Data Communications (LBRDC)

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ICS:

33.060.30	Radiorelejni in fiksni satelitski komunikacijski sistemi	Radio relay and fixed satellite communications systems
47.020.70	Navigacijska in krmilna oprema	Navigation and control equipment

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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 of this ETS:	30 April 1996
Date of latest announcement of this ETS (doa):	31 August 1996
Date of latest publication of new National Standard or endorsement of this ETS (dop/e):	29 February 1997
Date of withdrawal of any conflicting National Standard (dow):	29 February 1997

Further standardization is continuing for Maritime Mobile Earth Stations (MMESs) to which this ETS may apply.

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1 Scope

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

This ETS defines specifications for the control facilities in an MMES network operating Low Bit Rate Data Communications (LBRDCs), as defined in ETS 300 460 [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 reference, provisions from other publications. These normative references are cited at the appropriate places in the text. 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 300 460: "Satellite Earth Stations and Systems (SES); Maritime Mobile Earth Stations (MMESs) operating in the 1,5/1,6 GHz bands providing Low Bit Rate Data Communications (LBRDCs) for the Global Maritime Distress and Safety System (GMDSS); Technical characteristics and methods of measurement".

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3 Abbreviations

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

LBRDC	Low Bit Rate Data Communications
MMES	Maritime Mobile Earth Station
NCF	Network Control Facilities

4 Test report

The test report shall contain the results of the test.

5 Suppression of MMES transmissions

Purpose:

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

Specification:

It shall be possible to suppress the transmissions from any MMES 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 MMES (e.g. "request" or "log-in" bursts) it shall be possible to:

- a) inhibit all communications from the MMES terminal through the network; and
- b) inform the MMES user through the network that the MMES is inhibited from making communications, in order to limit the number of initial burst transmissions.