



SLOVENSKI STANDARD

SIST ETS 300 133-6 E2:2003

01-december-2003

9`Y_fca U[bYfbUnXfi y`^j cgh]b`nUXYj Yj`nj Yn]`n`fUX]`g_`ja`gdY_fca`fØFAŁĚ
=nVc`^yUb]`g]ghYa`nUfUX]`g_c`gdcfc Ub`Y`fØFA9GŁĚ*`"XY.`GdYWZ_UM`Ug_`UXbcgh
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ElectroMagnetic Compatibility and Radio Spectrum Matters (ERM); Enhanced Radio
MEssage System (ERMES); Part 6: Base station conformance specification

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33.070.20	Sistem za osebni klic	Paging systems
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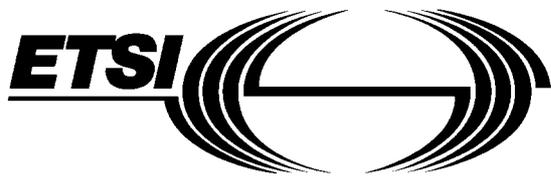
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**Electromagnetic compatibility
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Part 6: Base station conformance specification**

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Foreword

This second edition European Telecommunication Standard (ETS) has been produced by the Electromagnetic compatibility and Radio spectrum Matters (ERM) Technical Committee of the European Telecommunications Standards Institute (ETSI).

This ETS comprises seven parts with the generic title "Electromagnetic compatibility and Radio spectrum Matters (ERM); Enhanced Radio MESSage System (ERMES)". The title of each part is listed below:

- Part 1: "General aspects";
- Part 2: "Service aspects";
- Part 3: "Network aspects";
- Part 4: "Air interface specification";
- Part 5: "Receiver conformance specification";
- Part 6: "Base station conformance specification";**
- Part 7: "Operation and maintenance aspects".

This part, ETS 300 133-6, gives the Enhanced Radio MESSage System (ERMES) base station conformance specification and includes the technical characteristics of the transmitters.

Transposition dates	
Date of adoption:	7 November 1997
Date of latest announcement of this ETS (doa):	28 February 1998
Date of latest publication of new National Standard or endorsement of this ETS (dop/e):	31 August 1998
Date of withdrawal of any conflicting National Standard (dow):	31 August 1998

Intellectual Property Rights

IPRs essential or potentially essential to this ETS may have been declared to ETSI. The information pertaining to these essential IPRs, if any, is publicly available for **ETSI members and non-members**, and can be found in ETR 314: *"Intellectual Property Rights (IPRs); Essential, or potentially Essential, IPRs notified to ETSI in respect of ETSI standards"*, which is available **free of charge** from the ETSI Secretariat. Latest updates are available on the ETSI Web server (<http://www.etsi.fr/ipr>).

Pursuant to the ETSI Interim IPR Policy, no investigation, including IPR searches, has been carried out by ETSI. No guarantee can be given as to the existence of other IPRs not referenced in ETR 314 (or the updates on <http://www.etsi.fr/ipr>) which are, or may be, or may become, essential to this ETS.

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1 Scope

This European Telecommunication Standard (ETS) defines the requirements for base stations operating on the Enhanced Radio Message System (ERMES). A general description of the base station is given and detailed Radio Frequency (RF) characteristics defined.

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 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 300 133-3 (1997): "Electromagnetic compatibility and Radio Spectrum Matters (ERM); Enhanced Radio Message System (ERMES); Part 3: Network aspects".
- [2] ETS 300 133-4 (1997): "Electromagnetic compatibility and Radio Spectrum Matters (ERM); Enhanced Radio Message System (ERMES); Part 4: Air interface specification".
- [3] ETS 300 133-7 (1997): "Electromagnetic compatibility and Radio Spectrum Matters (ERM); Enhanced Radio Message System (ERMES); Part 7: Operation and maintenance aspects".
- [4] ETS 300 113: "Radio Equipment and Systems (RES); Land mobile service; Technical characteristics and test conditions for radio equipment intended for the transmission of data (and speech) and having an antenna connector".

3 Definitions and abbreviations

3.1 Definitions

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

Base Station (BS): Comprises one or more transmitters together with the associated control and timing equipment.

I1 interface: The radio interface between the base stations and the paging receivers.

I2 interface: An interface between the Paging Area Controller (PAC) and the Base Station (BS) supporting both telecommunication and operation & maintenance services (see ETS 300 133-7 [3]).

Paging Area Controller (PAC): The functional block which communicates to the Paging Network Controller (PNC) and manages one Paging Area (PA) through the I2 interface.

symbol: Two bits of information which are the basic unit of information on the air interface. It corresponds to one of the four modulation levels specified in subclause 8.3.1 of ETS 300 133-4 [2].

3.2 Abbreviations

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

BS	Base Station
PA	Paging Area
PAC	Paging Area Controller
PNC	Paging Network Controller
RF	Radio Frequency
4-PAM/FM	4-level Pulse Amplitude Modulated/Frequency Modulation