



SLOVENSKI STANDARD

SIST ETS 300 133-6 E1:2003

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Paging Systems (PS); Enhanced Radio MESSage System (ERMES); Part 6: Base station conformance specification

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Foreword

This European Telecommunication Standard (ETS) has been produced by the Paging Systems (PS) Technical Committee of the European Telecommunications Standards Institute (ETSI).

This ETS comprises seven parts with the generic title "Paging systems (PS); European Radio Message System (ERMES)". The title of each part is listed below:

- ETS 300 133-1: "Part 1: General aspects"
- ETS 300 133-2: "Part 2: Service aspects"
- ETS 300 133-3: "Part 3: Network aspects"
- ETS 300 133-4: "Part 4: Air interface specification"
- ETS 300 133-5: "Part 5: Receiver conformance specification"
- ETS 300 133-6: "Part 6: Base station conformance specification"
- ETS 300 133-7: "Part 7: Operation and maintenance aspects"

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

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1 Scope

This part of the seven part European Telecommunication Standard (ETS) 300 133 defines the requirements for base stations operating on the European 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 300 133-1: "Paging Systems (PS); European Radio Message System (ERMES) Part 1: General aspects".
- [2] ETS 300 133-2: "Paging Systems (PS); European Radio Message System (ERMES) Part 2: Service aspects".
- [3] ETS 300 133-3: "Paging Systems (PS); European Radio Message System (ERMES) Part 3: Network aspects".
- [4] ETS 300 133-4: "Paging Systems (PS); European Radio Message System (ERMES) Part 4: Air interface specification".
- [5] ETS 300 133-5: "Paging Systems (PS); European Radio Message System (ERMES) Part 5: Receiver conformance specification".
- [6] ETS 300 133-7: "Paging Systems (PS); European Radio Message System (ERMES) Part 7: Operation and maintenance aspects".
- [7] ETS 300 113: "Radio Equipment and Systems - Land mobile service - Technical characteristics and test conditions for non-speech and combined analog speech/non-speech equipment with an internal or external antenna connector, intended for the transmission of data".

3 Definitions

For the purposes of this part of ETS 300 133 the following definitions shall apply.

Base station: 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 [6]).

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 9.3.1 of ETS 300 133-4 [4].