

**SLOVENSKI STANDARD
SIST I-ETS 300 380 E1:2003
01-december-2003**

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Universal Personal Telecommunication (UPT); Access devices Dual Tone Multi Frequency (DTMF) sender for acoustical coupling to the microphone of a handset telephone

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ICS:

33.040.01	Telekomunikacijski sistemi na splošno	Telecommunication systems in general
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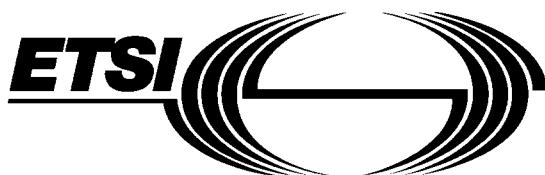
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Dual Tone Multi Frequency (DTMF) sender for acoustical coupling to the microphone of a handset telephone

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Foreword

This Interim European Telecommunication Standard (I-ETS) was produced by the Terminal Equipment (TE) Technical Committee of the European Telecommunications Standards Institute (ETSI).

An ETSI standard may be given I-ETS status either because it is regarded as a provisional solution ahead of a more advanced standard, or because it is immature and requires a "trial period". The life of an I-ETS is limited to three years after which it can be converted into an ETS, have its life extended for a further two years, be replaced by a new version, or be withdrawn.

Proposed announcement date	
Date of latest announcement of this I-ETS (doa):	30 June 1995

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1 Scope

This I-ETS defines the tone generating and acoustical characteristics of a one-way (sending) Universal Personal Telecommunication (UPT) access device of Dual Tone Multi Frequency (DTMF) type to be acoustically coupled to the mouthpiece of a telephone set. The characteristics specified have been chosen to conform to the transmission requirements as specified in ETS 300 001 and, therefore, to be generally acceptable for use in the Public Switched Telephone Network (PSTN) and Integrated Services Digital Network (ISDN).

The I-ETS specifies a test arrangement to verify conformance. It is not possible to standardize the physical dimensions for efficient acoustic coupling because of the wide variety of handset types in use in Europe. When using a device conforming to this I-ETS, the electrical level to the network will depend on the characteristics of the telephone set to which it is acoustically coupled. Annex B to this I-ETS indicates the variation level that could be expected. A worst case scenario is that a device conforming to this I-ETS will not ensure proper functioning.

NOTE: The specification of the functional requirements of the device is outside the scope of this I-ETS. Information about functional requirements can be found in prETS 300 391-1.

2 Normative references

This I-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 I-ETS only when incorporated in it by amendment or revision. For undated references the latest edition of the publication referred to applies.

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- [1] IEC 318: "An IEC artificial ear, of the wideband type, for the calibration of earphones used in audiology" ([standards.itech.ai](https://standards.itech.ai/standards/IEC-318))

3 Abbreviations

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DTMF	Dual Tone Multi Frequency
ISDN	Integrated Services Digital Network
PSTN	Public Switched Telephone Network
SLR	Sending Loudness Rating
SPL	Sound Pressure Level
UPT	Universal Personal Telecommunication