



SLOVENSKI STANDARD SIST ETS 300 640 E1:2003

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H'YZc'bg_]'h'd_cj b]W

Human Factors (HF); Assignment of alphabetic letters to digits on standard telephone keypad arrays

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telephone keypad arrays

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Foreword

This European Telecommunication Standard (ETS) has been produced by the Human Factors (HF) Technical Committee of the European Telecommunications Standards Institute (ETSI).

| Transposition dates | |
|---|------------------|
| Date of adoption of this ETS: | 7 June 1996 |
| Date of latest announcement of this ETS (doa): | 30 November 1996 |
| Date of latest publication of new National Standard or endorsement of this ETS (dop/e): | 31 May 1997 |
| Date of withdrawal of any conflicting National Standard (dow): | 31 May 1997 |

Introduction

This ETS was prepared by TC-HF in response to a request from the 20th ETSI Technical Assembly.

ITU-T and ISO/IEC have adopted an assignment of letters to digits that corresponds to that shown in figure 1 in clause 4 (See ITU-T Recommendation E.161 [5] and ISO/IEC 9995-8 [4]). In the interests of maximising global standardisation, ETSI will also adopt this same assignment. This further convergence of standards should encourage manufacturers to use the standard immediately in the manufacture of telecommunication terminals using the standard telephone keypad array.

Many existing telephone and other terminals will have assignments of letters to digits that differ from that specified in this standard. In particular, some assignments exist which conform with national standards to facilitate text telephony. Before introducing telecommunications services that assume the assignment specified in the present standard, the consequences of errors arising from the use of non-compliant terminals should be carefully considered.

For a limited user group, where it is known that all terminals using the service will have the ETSI assignment of letters to digits, it will be possible to introduce services that use alphabetic input without further delay.

The standard assignment of letters to digits can also serve as an aide-memoire for individual users who wish to associate telephone numbers or codes with letters or words.

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1 Scope

This European Telecommunications Standard (ETS) defines the assignment of alphabetic letters to digits on standard telephone keypad arrays. The assignment of characters with diacritical marks, e.g. á, â, ç, è, ñ, etc. on the standard telephone keypad array, or the assignment of other non-Latin character sets is outside the scope of this ETS.

This ETS applies to all terminals, public and private, that assign alphabetic letters to standard telephone keypad arrays. The standard can be applied to keypad arrays provided in hardware form (e.g. as push button keys) or software form (e.g. as soft keys on a visual display)

This ETS does not apply to terminals specifically intended to support text telephony.

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 applies.

- [1] ETS 300 511: "European digital cellular telecommunications system (Phase 2); Man-Machine Interface (MMI) of the Mobile Station (MS) (GSM 02.30)".
- [2] ETR 116 (1994): "Human Factors (HF); Human factors guidelines for ISDN Terminal equipment design".
- [3] ETSI DTR/HF 02009 1): "Human Factors (HF); Characteristics of telephone keypads, requirements of elderly and disabled people".
- [4] ISO/IEC 9995-8: "Information Technology - Keyboard layouts for text and office systems - Part 8: Allocation of letters to the keys of a numeric keypad".
- [5] ITU-T Recommendation E.161: "Arrangement of figures, letters and symbols on telephones and other devices that can be used for gaining access to a telephone network".

3 Definitions, symbols and abbreviations

3.1 Definitions

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

standard telephone keypad array: Standard 4 x 3 array for the numeric keys 0-9 and the symbol keys star (*) and square (#). See ITU-T Recommendation E.161 [5].

push button keys: Physical control input devices where a push action, usually by the user's finger, signals an input. See also ETR 116, clause 5, page 166, Design Guideline on "Pushbuttons" [2].

soft keys: Physical or software displayed keys, the functions of which are determined by the application software currently running on the terminal. See also ETR 116, clause 5, page 88, Design Guideline on "Control Key Dialogues" [2].

3.2 Symbols

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

1) This document is expected to be publicly available by the time the present ETS is submitted for vote.