



**SLOVENSKI STANDARD**  
**SIST ETS 300 767 E1:2003**  
**01-december-2003**

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človeški dejavniki; telefonarne predplačilne kartice; taktilni identifikator

Human Factors (HF); Telephone Prepayment Cards; Tactile Identifier

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**ICS:**

35.240.15	Identifikacijske kartice in sorodne naprave	Identification cards and related devices
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## Foreword

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

Transposition dates	
Date of adoption:	4 July 1997
Date of latest announcement of this ETS (doa):	31 October 1997
Date of latest publication of new National Standard or endorsement of this ETS (dop/e):	30 April 1998
Date of withdrawal of any conflicting National Standard (dow):	30 April 1998

## Introduction

The use of machine readable ID-1 cards (MRC) in telecommunications applications, i.e. telephone prepayment cards and Subscriber Identity Modules (SIM) for GSM telephones, can present problems for all users; namely to orientate and turn the card so that it may be correctly inserted in the card operated device. For older people and blind or severely visually-impaired people, the task of orienting a machine readable ID-1 card can be a substantial obstacle.

At least four different tactile identifier designs are in concurrent use on telephone prepayment cards in Europe (even two different designs in a single country) so there is a high risk of users being confused. Standardization of the Man-Machine Interface (MMI) will facilitate the inter-sector and cross-border interoperability of all machine-readable cards. There is therefore, an urgent need for a single, international standard for a tactile identifier on machine readable cards to aid all users, especially blind and visually-impaired people, to orientate the cards quickly and correctly. A standard tactile identifier will also substantially aid visually unimpaired users to insert cards faster and with fewer errors.

The purpose of this ETS is to specify the form, dimensions and position of an edge indentation for a single standard tactile identifier for ID-1 type telephone prepayment cards and SIM cards. It is hoped that, eventually, a common standard for a single tactile identifier for all machine readable ID-1 cards can be achieved through harmonization with CEN in Europe and with ITU-T and ISO for a world wide standard. TC HF intends to follow up this ETS with a recommendation on how to insert the ID-1 card in the terminal card reader with reference to the tactile identifier on the card.

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## 1 Scope

This European Telecommunication Standard (ETS) specifies the form, dimensions and position of an edge indentation for a single standard tactile identifier for machine readable ID-1 type telephone prepayment cards and GSM telephones SIMs, i.e. cards which otherwise conform with the ISO standards for machine readable ID-1 cards, and to specify the test procedure for verifying conformance with this ETS.

This tactile identifier is meant to facilitate the correct orientation and insertion of telephone prepayment cards and SIMs in the card-operated terminals, especially for people who are blind and visually impaired, but also for older people, minors and other users.

This ETS does not apply to telephone prepayment cards which do not require to be inserted in any specific orientation in the terminal nor to plug-in SIMs or to Thin Flexible Cards (TFC-1). National differences in the delivery of instruction material to blind and visually impaired people places the provision of packaging, labelling and instructions in the use of telephone prepayment cards and SIMs outside the scope of this ETS.

## 2 Normative references

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

- [1] ISO 7810 (1995): "Identification cards - Physical characteristics".
- [2] ISO 7811-4 (1995): "Identification cards - Recording technique - Part 4: Location of read-only magnetic tracks - Tracks 1 and 2".
- [3] ISO 7811-5 (1995): "Identification cards - Recording technique - Part 5: Location of read-write magnetic track - Track 3".
- [4] ISO 7816-2 (1988): "Identification cards. Integrated circuit(s) cards with contacts - Part 2: Dimensions and location of contacts".
- [5] ETS 300 608 (GSM 11.11): "Digital cellular telecommunications system (Phase 2); Specification of the Subscriber Identity Module - Mobile Equipment (SIM - ME) interface".
- [6] ETR 165: "Human Factors (HF); Recommendation for a tactile identifier on machine readable cards for telecommunication terminals".

## 3 Definitions and abbreviations

### 3.1 Definitions

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

**front side (of card):** The face of an ID-1 card bearing the integrated circuit contacts (if fitted) and opposite the side bearing the magnetic stripe (if fitted).

**ID-1 card:** A personal identification card, made from solid or laminated Poly-Vinyle Chloride (PVC) (or similar material), 85,60 mm wide × 53,98 mm high × 0,76 mm thick with 3,18 mm radius corners (cf. ISO 7810 [1]).

**Integrated Circuit (ICC) Card:** A machine readable ID-1 card bearing an electronic read-write memory microchip (IC) with surface contacts (cf. ISO 7816-2 [4]).