



**SLOVENSKI STANDARD**  
**SIST ETS 300 641 E2:2003**

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Digital cellular telecommunications system (Phase 2) (GSM); Specification of the 3 Volt Subscriber Identity Module - Mobile Equipment (SIM - ME) interface (GSM 11.12 version 4.2.1)

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**ICS:**

33.070.50	Globalni sistem za mobilno telekomunikacijo (GSM)	Global System for Mobile Communication (GSM)
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**Digital cellular telecommunications system (Phase 2);  
Specification of the 3 Volt Subscriber Identity Module  
- Mobile Equipment (SIM - ME) interface  
(GSM 11.12 version 4.2.1)**

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## Contents

Foreword .....	5
1 Scope .....	7
2 Normative references .....	7
3 Definitions, abbreviations and symbols .....	7
3.1 Definitions .....	7
3.2 Abbreviations .....	7
3.3 Symbols .....	7
4 3V technology .....	8
4.1 3V technology SIM .....	8
4.2 3V technology impact .....	8
4.3 3V technology SIM Identification .....	8
4.4 3V technology ME .....	8
4.5 3V Only ME .....	8
4.6 Activation and deactivation .....	9
4.7 Supply voltage switching .....	9
4.8 Cross compatibility .....	9
4.9 Outlook .....	9
5 Electrical specifications of the SIM - ME interface .....	9
History .....	12

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## Foreword

This European Telecommunications Standard (ETS) has been produced by the Special Mobile Group (SMG) of the European Telecommunications Standards Institute (ETSI).

This ETS defines the aspects of the Subscriber Identity Module - Mobile Equipment (SIM - ME) interface which are based on 3V technology to be used in the Mobile Station (MS) within the digital cellular telecommunications system (Phase 2).

Transposition dates	
Date of adoption:	25 July 1997
Date of latest announcement of this ETS (doa):	30 November 1997
Date of latest publication of new National Standard or endorsement of this ETS (dop/e):	31 May 1998
Date of withdrawal of any conflicting National Standard (dow):	31 May 1998

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## 1 Scope

This European Telecommunications Standard (ETS) defines the aspects of the Subscriber Identity Module-Mobile Equipment (SIM - ME) interface which are based on 3V technology to be used in the Mobile Station (MS). It specifies the electrical and logical requirements necessary for the operation of the 3V SIM - ME interface where it differs from GSM 11.11 (ETS 300 608) [1]. For all aspects of the SIM - ME interface which are not covered by this ETS, GSM 11.11 (ETS 300 608) [1] applies.

## 2 Normative references

This ETS incorporates by dated and non-dated reference, provisions from other publications. This normative reference is 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 non-dated references the latest edition of the publication referred to applies.

- [1] GSM 11.11 (ETS 300 608): "Digital cellular telecommunications system (Phase 2); Specification of the Subscriber Identity Module-Mobile Equipment (SIM - ME) interface".

## 3 Definitions, abbreviations and symbols

### 3.1 Definitions

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

**3V technology SIM:** A SIM operating at  $3V \pm 10\%$  and  $5V \pm 10\%$ .

**3V technology ME:** An ME operating the SIM - ME interface at  $3V \pm 10\%$  according to this ETS and  $5V \pm 10\%$  according to GSM 11.11 (ETS 300 608) [1].

**3V only ME:** An ME only operating the SIM - ME interface at  $3V \pm 10\%$  according to this ETS.  
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### 3.2 Abbreviations

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

ATR	Answer To Reset
CLK	Clock
IC	Integrated Circuit
I/O	Input/Output
ME	Mobile Equipment
MS	Mobile Station
RST	Reset
SIM	Subscriber Identity Module

### 3.3 Symbols

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

$t_F$	fall time
$t_R$	rise time
$V_{IH}$	Input Voltage (high)
$V_{IL}$	Input Voltage (low)
$V_{OH}$	Output Voltage (high)
$V_{OL}$	Output Voltage (low)