



SLOVENSKI STANDARD
SIST ETS 300 607-2 E1:2003
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Digital cellular telecommunications system (Phase 2) (GSM); Mobile Station (MS) conformance specification; Part 2: Protocol Implementation Conformance Statement (PICS) proforma specification (GSM 11.10-2)

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Ta slovenski standard je istoveten z: **ETS 300 607-2 Edition 1**

ICS:

33.070.50	Globalni sistem za mobilno telekomunikacijo (GSM)	Global System for Mobile Communication (GSM)
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GLOBAL SYSTEM FOR
MOBILE COMMUNICATIONS

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**Digital cellular telecommunications system (Phase 2);
Mobile Station (MS) conformance specification;
Part 2: Protocol Implementation Conformance Statement (PICS)
proforma specification
(GSM 11.10-2)**

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Foreword

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

This ETS provides the Protocol Implementation Conformance Statement (PICS) proforma for Mobile Stations (MSs), operating in the 900 MHz and 1 800 MHz frequency band (GSM 900 and DCS 1 800) within the digital cellular telecommunications system (Phase 2).

This ETS corresponds to GSM technical specification GSM 11.10-2 version 4.15.0.

ETS 300 607 consists of three parts, which have the following ETS numbers and titles:

ETS 300 607-1 Digital cellular telecommunications system (Phase 2);
Mobile Station (MS) conformance specification;
Part 1: Conformance specification

Reference: GSM 11.10-1.

**ETS 300 607-2 Digital cellular telecommunications system (Phase 2);
Mobile Station (MS) conformance specification;
Part 2: Protocol Implementation Conformance Statement (PICS) proforma
specification**

Reference: GSM 11.10-2.

ETS 300 607-3 Digital cellular telecommunications system (Phase 1);
Mobile Station (MS) conformance specification;
Part 3: Layer 3 (L3) Abstract Test Suite (ATS)

Reference: GSM 11.10-3.

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Date of latest publication of new National Standard or endorsement of this ETS (dop/e):	31 July 1997
Date of withdrawal of any conflicting National Standard (dow):	31 July 1997

Introduction

To evaluate conformance of a particular implementation, it is necessary to have a statement of which capabilities and options have been implemented for a telecommunication specification. Such a statement is called an Implementation Conformance Statement (ICS).

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1 Scope

This European Telecommunication Standard (ETS) provides the Protocol Implementation Conformance Statement (PICS) proforma for Global System for Mobile Stations (MSs), operating in the 900 MHz and 1 800 MHz frequency band (GSM 900 and DCS 1 800) within the European digital cellular telecommunications system (Phase 2), in compliance with the relevant requirements, and in accordance with the relevant guidance given in ISO/IEC 9646-7 [3] and ETS 300 406 [1].

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] ETS 300 406 (January 1995): "Methods for testing and Specification (MTS); Protocol and profile conformance testing specifications; Standardization methodology".
- [2] ISO/IEC 9646-1 (1995): "Information technology - Open systems interconnection - Conformance testing methodology and framework - Part 1: General concepts".
- [3] ISO/IEC 9646-7 (1995): "Information technology - Open systems interconnection - Conformance testing methodology and framework - Part 7: Implementation Conformance Statements".
- [4] ETS 300 500 (GSM 02.01): "European digital cellular telecommunication system (Phase 2); Principles of telecommunication services supported by a GSM Public Land Mobile Network (PLMN)".
- [5] ETS 300 501 (GSM 02.02 Version 4.2.2): "Digital cellular telecommunication system (Phase 2); Bearer Services (BS) supported by a GSM Public Land Mobile Network (PLMN)".
- [6] ETS 300 502 (GSM 02.03 Version 4.3.1): "Digital cellular telecommunication system (Phase 2); Teleservices supported by a GSM Public Land Mobile Network (PLMN)".
- [7] ETS 300 503 Edition 3 (GSM 02.04 Version 4.9.1): "Digital cellular telecommunication system (Phase 2); General on supplementary services".
- [8] ETS 300 504 Edition 3 (GSM 02.06 Version 4.4.0): "Digital cellular telecommunication system (Phase 2); Types of Mobile Stations (MS)".
- [9] ETS 300 505 Edition 2 (GSM 02.07 Version 4.7.0): "Digital cellular telecommunication system (Phase 2); Mobile Station (MS) features".
- [10] ETS 300 506 (GSM 02.09 Version 4.3.0): "Digital cellular telecommunication system (Phase 2); Security aspects".
- [11] ETS 300 507 Edition 4 (GSM 02.11 Version 4.9.0): "Digital cellular telecommunication system (Phase 2); Service accessibility".
- [12] ETS 300 508 Edition 2 (GSM 02.16 Version 4.5.0): "Digital cellular telecommunication system (Phase 2); International Mobile station Equipment Identities (IMEI)".
- [13] ETS 300 509 (GSM 02.17 Version 4.3.3): "Digital cellular telecommunication system (Phase 2); Subscriber identity modules Functional characteristics".

- [14] ETS 300 510 Edition 2 (GSM 02.24 Version 4.5.0): "Digital cellular telecommunication system (Phase 2); Description of Charge Advice Information (CAI)".
- [15] ETS 300 511 Edition 2 (GSM 02.30 Version 4.13.0): "Digital cellular telecommunication system (Phase 2); Man-Machine Interface (MMI) of the Mobile Station (MS)".
- [16] ETS 300 512 Edition 2 (GSM 02.40 Version 4.5.0): "Digital cellular telecommunication system (Phase 2); Procedures for call progress indications".
- [17] ETS 300 513 (GSM 02.41 Version 4.5.2): "Digital cellular telecommunication system (Phase 2); Operator determined barring".
- [18] ETS 300 514 Edition 2 (GSM 02.81 Version 4.5.1): "Digital cellular telecommunication system (Phase 2); Line identification supplementary services - Stage 1".
- [19] ETS 300 515 Edition 2 (GSM 02.82 Version 4.5.2): "Digital cellular telecommunication system (Phase 2); Call Forwarding (CF) supplementary services - Stage 1".
- [20] ETS 300 516 Edition 2 (GSM 02.83 Version 4.6.7): "Digital cellular telecommunication system (Phase 2); Call Waiting (CW) and Call Hold (HOLD) supplementary services - Stage 1".
- [21] ETS 300 517 Edition 2 (GSM 02.84 Version 4.4.7): "Digital cellular telecommunication system (Phase 2); MultiParty (MPTY) supplementary services - Stage 1".
- [22] ETS 300 518 Edition 2 (GSM 02.85 Version 4.2.6): "Digital cellular telecommunication system (Phase 2); Closed User Group (CUG) supplementary services - Stage 1". [SIST ETS 300 607-2 E1:2003](https://standards.iteh.ai/catalog/standards/sist/773c6ae-1bbe-4bb9-b970-1d19/st-ets-300-518-1996)
<https://standards.iteh.ai/catalog/standards/sist/773c6ae-1bbe-4bb9-b970-1d19/st-ets-300-518-1996>
- [23] ETS 300 519 Edition 2 (GSM 02.86 Version 4.1.5): "Digital cellular telecommunication system (Phase 2); Advice of charge (AoC) supplementary services - Stage 1".
- [24] ETS 300 536 Edition 4 (GSM 03.40 Version 4.13.0): "Digital cellular telecommunication system (Phase 2); Technical realization of the Short Message Service (SMS) Point to Point (PP)".
- [25] ETS 300 537 Edition 2 (GSM 03.41 Version 4.11.0): "Digital cellular telecommunication system (Phase 2); Technical realization of Short Message Service Cell Broadcast (SMSCB)".
- [26] ETS 300 538 Edition 2 (GSM 03.45 Version 4.5.0): "Digital cellular telecommunication system (Phase 2); Technical realization of facsimile group 3 transparent".
- [27] ETS 300 539 (GSM 03.46 Version 4.1.2): "Digital cellular telecommunication system (Phase 2); Technical realization of facsimile group 3 non-transparent".
- [28] ETS 300 551 (GSM 04.02 Version 4.0.4): "Digital cellular telecommunication system (Phase 2); GSM Public Land Mobile Network (PLMN) access reference configuration".
- [29] ETS 300 553 (GSM 04.04 Version 4.0.4): "Digital cellular telecommunication system (Phase 2); layer 1 General requirements".
- [30] ETS 300 554 (GSM 04.05 Version 4.0.3): "Digital cellular telecommunication system (Phase 2); Data Link (DL) layer General aspects".

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- [31] ETS 300 555 (GSM 04.06 Version 4.4.0): "Digital cellular telecommunication system (Phase 2); Mobile Station - Base Station System (MS - BSS) interface Data Link (DL) layer specification".
- [32] ETS 300 556 (GSM 04.07 Version 4.3.1): "Digital cellular telecommunication system (Phase 2); Mobile radio interface signalling layer 3 General aspects".
- [33] ETS 300 557 Edition 6 (GSM 04.08 Version 4.15.0): "Digital cellular telecommunication system (Phase 2); Mobile radio interface layer 3 specification".
- [34] ETS 300 558 Edition 2 (GSM 04.10 Version 4.10.0): "Digital cellular telecommunication system (Phase 2); Mobile radio interface layer 3 Supplementary services specification General aspects".
- [35] ETS 300 559 Edition 4 (GSM 04.11 Version 4.10.0): "Digital cellular telecommunication system (Phase 2); Point-to-Point (PP) Short Message Service (SMS) support on mobile radio interface".
- [36] ETS 300 560 Edition 3 (GSM 04.12 Version 4.6.0): "Digital cellular telecommunication system (Phase 2); Short Message Service Cell Broadcast (SMSCB) support on the mobile radio interface".
- [37] ETS 300 561 Edition 3 (GSM 04.13 Version 4.2.0): "Digital cellular telecommunication system (Phase 2); Performance requirements on mobile radio interface".
- [38] ETS 300 562 Edition 3 (GSM 04.21 Version 4.6.0): "Digital cellular telecommunication system (Phase 2); Rate adaption on the Mobile Station - Base Station System (MS - BSS) interface".
- [39] ETS 300 563 (GSM 04.22 Version 4.4.0): "Digital cellular telecommunication system (Phase 2); Radio Link Protocol (RLP) for data and telematic services on the Mobile Station - Base Station System (MS - BSS) interface and the Base Station System - Mobile-services Switching Centre (BSS - MSC) interface".
- [40] ETS 300 564 Edition 3 (GSM 04.80 Version 4.11.0): "Digital cellular telecommunication system (Phase 2); Mobile radio interface layer 3 supplementary services specification Formats and coding".
- [41] ETS 300 565 (GSM 04.81 Version 4.4.1): "Digital cellular telecommunication system (Phase 2); Line identification supplementary services - Stage 3".
- [42] ETS 300 566 Edition 2 (GSM 04.82 Version 4.9.0): "Digital cellular telecommunication system (Phase 2); Call Forwarding (CF) supplementary services - Stage 3".
- [43] ETS 300 567 Edition 2 (GSM 04.83 Version 4.6.0): "Digital cellular telecommunication system (Phase 2); Call Waiting (CW) and Call Hold (HOLD) supplementary services - Stage 3".
- [44] ETS 300 568 (GSM 04.84 Version 4.3.2): "Digital cellular telecommunication system (Phase 2); MultiParty (MPTY) supplementary services - Stage 3".
- [45] ETS 300 569 Edition 2 (GSM 04.85 Version 4.1.0): "Digital cellular telecommunication system (Phase 2); Closed User Group (CUG) supplementary services - Stage 3".
- [46] ETS 300 570 (GSM 04.86 Version 4.5.2): "Digital cellular telecommunication system (Phase 2); Advice of Charge (AoC) supplementary services - Stage 3".

- [47] ETS 300 571 Edition 2 (GSM 04.88 Version 4.7.0): "Digital cellular telecommunication system (Phase 2); Call Barring (CB) supplementary services - Stage 3".
- [48] ETS 300 572 (GSM 04.90 Version 4.1.1): "Digital cellular telecommunication system (Phase 2); Unstructured supplementary services operation - Stage 3".
- [49] ETS 300 573 Edition 4 (GSM 05.01 Version 4.6.0): "Digital cellular telecommunication system (Phase 2); Physical layer on the radio path General description".
- [50] ETS 300 574 Edition 4 (GSM 05.02 Version 4.7.0): "Digital cellular telecommunication system (Phase 2); Multiplexing and multiple access on the radio path".
- [51] ETS 300 575 Edition 2 and Am1 (GSM 05.03 Version 4.3.0): "Digital cellular telecommunication system (Phase 2); Channel coding".
- [52] ETS 300 576 (GSM 05.04 Version 4.0.3): "Digital cellular telecommunication system (Phase 2); Modulation".
- [53] ETS 300 577 Edition 7 (GSM 05.05 Version 4.15.0): "Digital cellular telecommunication system (Phase 2); Radio transmission and reception".
- [54] ETS 300 578 Edition 7 (GSM 05.08 Version 4.17.0): "Digital cellular telecommunication system (Phase 2); Radio subsystem link control".
- [55] ETS 300 579 Edition 6 (GSM 05.10 Version 4.9.0): "Digital cellular telecommunication system (Phase 2); Radio subsystem synchronisation".
- [56] ETS 300 582 Edition 4 (GSM 07.01 Version 4.10.0): "Digital cellular telecommunication system (Phase 2); General on Terminal Adaptation Functions (TAF) for Mobile Stations (MS)".

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3 Definitions and abbreviations

3.1 Definitions

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

- terms defined in the relevant GSM specifications (see normative references);
- terms defined in ISO/IEC 9646-1 [2] and in ISO/IEC 9646-7 [3].

In particular, the following terms defined in ISO/IEC 9646-1 [2] apply:

Implementation Conformance Statement (ICS): A statement made by the supplier of an implementation or system claimed to conform to a given specification, stating which capabilities have been implemented. The ICS can take several forms: protocol ICS, profile ICS, profile specific ICS, information object ICS, etc.

ICS proforma: A document, in the form of a questionnaire, which when completed for an implementation or system becomes an ICS.

Protocol ICS (PICS): An ICS for an implementation or system claimed to conform to a given protocol specification.

3.2 Abbreviations

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

ICS	Implementation Conformance Statement
IUT	Implementation Under Test
PICS	Protocol Implementation Conformance Statement

SCS
SUT

System Conformance Statement
System Under Test

4 Conformance to this PICS proforma specification

If it claims to conform to this ETS, the actual PICS proforma to be filled in by a supplier shall be technically equivalent to the text of the PICS proforma given in annex A, and shall preserve the numbering/naming and ordering of the proforma items.

An PICS which conforms to this ETS shall be a conforming PICS proforma completed in accordance with the instructions for completion given in clause A.1.

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