



SLOVENSKI STANDARD
SIST ETS 300 391-2 E1:2003
01-december-2003

**Svetovne osebne telekomunikacije (UPT) – Specifikacija varnostne arhitekture za
1. fazo sistema UPT – 2. del: Proformi izjave o skladnosti izvedbe (ICS)**

Universal Personal Telecommunication (UPT); Specification of the security architecture for UPT phase 1; Part 2: Implementation Conformance Statement (ICS) proforma specification

iTeh STANDARD PREVIEW
(standards.iteh.ai)

[SIST ETS 300 391-2 E1:2003](https://standards.iteh.ai/catalog/standards/sist/81dda56f-25b4-4e9f-9752-6c878c4c814d/sist-ets-300-391-2-e1-2003)

Ta slovenski standard je istoveten z: <https://standards.iteh.ai/catalog/standards/sist/81dda56f-25b4-4e9f-9752-6c878c4c814d/sist-ets-300-391-2-e1-2003> **ETS 300 391-2 Edition 1**

ICS:

33.040.35 Telefonska omrežja Telephone networks

SIST ETS 300 391-2 E1:2003 **en**

iTeh STANDARD PREVIEW
(standards.iteh.ai)

[SIST ETS 300 391-2 E1:2003](https://standards.iteh.ai/catalog/standards/sist/81dda56f-25b4-4e9f-9752-6c878c4c814d/sist-ets-300-391-2-e1-2003)

<https://standards.iteh.ai/catalog/standards/sist/81dda56f-25b4-4e9f-9752-6c878c4c814d/sist-ets-300-391-2-e1-2003>



EUROPEAN
TELECOMMUNICATION
STANDARD

ETS 300 391-2

August 1995

Source: ETSI TC-NA

Reference: DE/NA-071404

ICS: 33.040

Key words: Authentication, DTMF, UPT

iTeh STANDARD PREVIEW
(standards.iteh.ai)
Universal Personal Telecommunication (UPT);
Specification of the security architecture for UPT phase 1;
Part 2: Implementation Conformance Statement (ICS) proformas

SIST ETS 300 391-2 E1:2003
6c878c4c814d/sist-ets-300-391-2-e1-2003

ETSI

European Telecommunications Standards Institute

ETSI Secretariat

Postal address: F-06921 Sophia Antipolis CEDEX - FRANCE

Office address: 650 Route des Lucioles - Sophia Antipolis - Valbonne - FRANCE

X.400: c=fr, a=atlas, p=etsi, s=secretariat - **Internet:** secretariat@etsi.fr

Tel.: +33 92 94 42 00 - Fax: +33 93 65 47 16

Copyright Notification: No part may be reproduced except as authorized by written permission. The copyright and the foregoing restriction extend to reproduction in all media.

© European Telecommunications Standards Institute 1995. All rights reserved.

iTeh STANDARD PREVIEW (standards.iteh.ai)

[SIST ETS 300 391-2 E1:2003](https://standards.iteh.ai/catalog/standards/sist/81dda56f-25b4-4e9f-9752-6c878c4c814d/sist-ets-300-391-2-e1-2003)

<https://standards.iteh.ai/catalog/standards/sist/81dda56f-25b4-4e9f-9752-6c878c4c814d/sist-ets-300-391-2-e1-2003>

Contents

Foreword	5
Introduction	5
1 Scope	7
2 Normative references	7
3 Symbols and abbreviations	7
4 Conformance	7
5 ICS proforma for advanced DTMF devices	8
5.1 Identification of the implementation, product supplier and test laboratory client	8
5.2 Identification of the standard	8
5.3 Global statement of conformance	8
5.4 Main features	8
6 ICS proforma for the AE	10
6.1 Identification of the implementation, product supplier and test laboratory client	10
6.2 Identification of the standard	10
6.3 Global statement of conformance	10
6.4 Main features	11
History	12

(standards.iteh.ai)

SIST ETS 300 391-2 E1:2003

<https://standards.iteh.ai/catalog/standards/sist/81dda56f-25b4-4e9f-9752-6c878c4c814d/sist-ets-300-391-2-e1-2003>

Blank page

iTeh STANDARD PREVIEW
(standards.iteh.ai)

[SIST ETS 300 391-2 E1:2003](https://standards.iteh.ai/catalog/standards/sist/81dda56f-25b4-4e9f-9752-6c878c4c814d/sist-ets-300-391-2-e1-2003)

<https://standards.iteh.ai/catalog/standards/sist/81dda56f-25b4-4e9f-9752-6c878c4c814d/sist-ets-300-391-2-e1-2003>

Foreword

This European Telecommunication Standard (ETS) has been produced by the Network Aspects (NA) Technical Committee of the European Telecommunications Standards Institute (ETSI).

This ETS consists of 3 parts as follows:

Part 1: "Specification".

Part 2: "Implementation Conformance Statement (ICS) proformas".

Part 3: "Conformance Test Specification (CTS)".

Transposition dates	
Date of adoption of this ETS:	28 July 1995
Date of latest announcement of this ETS (doa):	30 November 1995
Date of latest publication of new National Standard or endorsement of this ETS (dop/e):	31 May 1996
Date of withdrawal of any conflicting National Standard (dow):	31 May 1996

Introduction

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

iTeh STANDARD PREVIEW
(standards.iteh.ai)
<https://standards.iteh.ai/catalog/standards/sist/81dda56f-25b4-4e9f-9752-6c878c4c814d/sist-ets-300-391-2-e1-2003>

Blank page

iTeh STANDARD PREVIEW
(standards.iteh.ai)

[SIST ETS 300 391-2 E1:2003](https://standards.iteh.ai/catalog/standards/sist/81dda56f-25b4-4e9f-9752-6c878c4c814d/sist-ets-300-391-2-e1-2003)

<https://standards.iteh.ai/catalog/standards/sist/81dda56f-25b4-4e9f-9752-6c878c4c814d/sist-ets-300-391-2-e1-2003>

1 Scope

This European Telecommunication Standard (ETS) provides the Implementation Conformance Statement (ICS) proformas for the advanced Dual Tone Multi Frequency (DTMF) device and the Authenticating Entity (AE) specified in ETS 300 391-1 [1]. These components relate to the authentication procedures of UPT phase 1. They are the most relevant components for interoperability and the overall security.

This ETS allows either the service provider of a UPT system to formulate the requirements on these implementations or to decide whether an implementation meets these requirements. It details the in tabular form mandatory and optional functions for these implementations.

This ETS is in compliance with the relevant requirements and the guidelines given in ISO/IEC 9646-2 [2].

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 300 391-1: "Universal Personal Telecommunications (UPT); Specification of the security architecture for UPT Phase 1; Part 1: Specification".
- [2] ISO/IEC 9646-2: "Conformance testing methodology and framework".

3 Symbols and abbreviations

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

AC	Authentication Code, calculated in the UPT access device
AC'	Authentication Code, calculated in the AE
AE	Authenticating Entity
DHV	Device Holder Verification
DTMF	Dual Tone Multi Frequency
LPIN	Local Personal Identification Number
n	sequence number, used by the UPT access device
n'	expected sequence number, stored in the AE
n _s	sent part of the sequence number, i.e. the 16 least significant bits of n
PIN	Personal Identification Number
PUI	Personal User Identity
RAA	Remaining Authentication Attempts
SM	Security Module (in the DTMF device)
SPIN	Special Personal Identification Number

4 Conformance

A supplier of implementations of advanced DTMF devices or AEs which are claimed to conform to ETS 300 391-1 [1] is required to complete a copy of the relevant ICS proforma provided in this ETS and is required to provide the information necessary to identify both the supplier and the implementation.