



SLOVENSKI STANDARD
DSIST ETS 300 760:2001
01-ZYVfi Uf-2001

8][]HJbY]nVc`ýUbYVfYnj fj] bYHfY_ca i b]_UWfY'fB 97 HL!'5 j Hbh]_UWf_g_]a cXi`
 fB 5 AŁ8 97 H!'=nUj Uc`g`UXbcgh]nj YXVY'f7 GL!'DfcZ:fa UgdYWZ]_UWfY

Digital Enhanced Cordless Telecommunications (DECT); DECT Authentication Module (DAM); Implementation Conformance Statement (ICS) proforma specification

Ta slovenski standard je istoveten z: ETS 300 760 Edition 1

ICS:

33.070.30 Öä åæ ^/á à |zæ ^ Digital Enhanced Cordless
 à!^: ç|çã } ^Á^ \ [{ ~ } ä æ å Telecommunications (DECT)
 ÖÖÓVD

DSIST ETS 300 760:2001 en



EUROPEAN
TELECOMMUNICATION
STANDARD

ETS 300 760

June 1997

Source: ETSI EP-DECT

Reference: DE/DECT-060046

ICS: 33.020

Key words: DECT, DAM, ICS, profile, radio, testing

**Digital Enhanced Cordless Telecommunications (DECT);
DECT Authentication Module (DAM);
Implementation Conformance Statement (ICS)
proforma specification**

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 4 92 94 42 00 - Fax: +33 4 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 1997. All rights reserved.

Contents

| | |
|--|----|
| Foreword | 5 |
| Introduction | 5 |
| 1 Scope | 7 |
| 2 Normative references | 7 |
| 3 Definitions, symbols and abbreviations | 7 |
| 3.1 Definitions | 7 |
| 3.2 Symbols | 7 |
| 3.3 Abbreviations | 8 |
| 4 Conformance to this ICS proforma specification | 8 |
| Annex A (normative): ICS proforma for ETS 300 331 | 9 |
| A.1 Guidance for completing the ICS proforma | 9 |
| A.1.1 Purposes and structure | 9 |
| A.1.2 Abbreviations and conventions | 10 |
| A.1.3 Instructions for completing the ICS proforma | 12 |
| A.2 Identification of the implementation | 12 |
| A.2.1 Date of the statement | 12 |
| A.2.2 Implementation Under Test (IUT) identification | 12 |
| A.2.3 System Under Test (SUT) identification | 13 |
| A.2.4 Product supplier | 13 |
| A.2.5 Client (if different from product supplier) | 14 |
| A.2.6 ICS contact person | 14 |
| A.3 Identification of the standard | 15 |
| A.4 Global statement of conformance | 15 |
| A.5 Roles | 15 |
| A.6 DECT Authentication Module (DAM) | 15 |
| A.6.1 Physical characteristics | 16 |
| A.6.1.1 Format and layout | 16 |
| A.6.1.1.1 ID-1 card | 16 |
| A.6.1.1.2 Plug-in card | 17 |
| A.6.1.2 Contacts | 17 |
| A.6.2 Electronic signals and transmission protocols | 18 |
| A.6.2.1 Supply voltage Vcc (contact C1) | 18 |
| A.6.2.2 Reset RST (contact C2) | 19 |
| A.6.2.3 Clock CLK (contact C3) | 19 |
| A.6.2.4 I/O (contact C7) | 20 |
| A.6.2.5 States | 20 |
| A.6.2.6 Answer To Reset (ATR) | 21 |
| A.6.2.6.1 ATR: TC1 parameter values | 21 |
| A.6.3 Logical model | 22 |
| A.6.3.1 File identifier | 22 |
| A.6.3.2 Dedicated files | 22 |
| A.6.3.3 Elementary files | 23 |
| A.6.3.4 Methods for selecting the DECT application | 23 |
| A.6.3.5 Reservation of file IDs | 23 |

| | | | | |
|-------|------------------------|---|---|----|
| | A.6.3.5.1 | DFs..... | 23 | |
| | A.6.3.5.2 | EFs..... | 24 | |
| A.6.4 | | Security services and facilities | 24 | |
| | A.6.4.1 | Algorithms and processes | 24 | |
| | A.6.4.2 | Authentication | 25 | |
| | A.6.4.3 | UAK allocation | 25 | |
| | A.6.4.4 | File access control..... | 26 | |
| A.6.5 | | Description of the functions..... | 26 | |
| A.6.6 | | Description of the commands | 27 | |
| | A.6.6.1 | Mapping principles..... | 27 | |
| | A.6.6.2 | Coding of the commands..... | 27 | |
| | A.6.6.3 | Definitions and coding | 28 | |
| | A.6.6.4 | Status conditions returned by the DAM | 28 | |
| | | A.6.6.4.1 Coding of the status words | 28 | |
| | | A.6.6.4.2 Commands versus possible status responses | 28 | |
| A.6.7 | | Contents of the elementary files..... | 29 | |
| | A.6.7.1 | Contents of the EFs at the MF level | 30 | |
| | | A.6.7.1.1 Optional data parameters in EF _{ICC} | 30 | |
| | | A.6.7.1.2 Optional data parameters in EF _{ID} | 30 | |
| | | A.6.7.1.3 Optional data parameters in EF _{NAME} | 31 | |
| | | A.6.7.1.4 Optional data parameters in EF _{DIR} | 31 | |
| | | A.6.7.1.5 Optional data parameters in EF _{LANG} | 31 | |
| | A.6.7.2 | Contents of the EFs at the parent level of the DECT application | 32 | |
| | A.6.7.3 | Contents of the EFs at the DECT application level..... | 32 | |
| | | A.6.7.3.1 Optional data parameters in EF _{LSR} | 32 | |
| | A.6.7.4 | Contents of the EFs at the subscription registration level..... | 33 | |
| | | A.6.7.4.1 DF _{SR1} | 33 | |
| | | | A.6.7.4.1.1 Optional data parameters in EF _{PARK} ... | 33 |
| | | | A.6.7.4.1.2 Optional data parameters in EF _{UAK} | 34 |
| | | | A.6.7.4.1.3 Optional data parameters in EF _{AC} | 34 |
| | | A.6.7.4.2 DF _{SR2} | 35 | |
| | | | A.6.7.4.2.1 Optional data parameters in EF _{PARK} ... | 35 |
| | | | A.6.7.4.2.2 Optional data parameters in EF _{UAK} | 36 |
| | | | A.6.7.4.2.3 Optional data parameters in EF _{AC} | 36 |
| A.7 | | DECT Portable Equipment (PE) | 37 | |
| | A.7.1 | Physical characteristics | 37 | |
| | A.7.2 | Electronic signals and transmission protocols | 38 | |
| | | A.7.2.1 Supply voltage V _{cc} (contact C1)..... | 39 | |
| | | A.7.2.2 Reset RST (contact C2) | 39 | |
| | | A.7.2.3 Programming voltage V _{pp} (contact C6) | 40 | |
| | | A.7.2.4 Clock CLK (contact C3) | 40 | |
| | | A.7.2.5 I/O (contact C7) | 41 | |
| | | A.7.2.6 States..... | 41 | |
| | | A.7.2.7 Answer To Reset (ATR) | 42 | |
| | A.7.3 | Logical model | 42 | |
| | | A.7.3.1 Methods for selecting the DECT application..... | 42 | |
| | A.7.4 | Description of the commands | 43 | |
| | | A.7.4.1 Mapping principles..... | 43 | |
| | | A.7.4.2 Coding of the commands..... | 43 | |
| | A.7.5 | Application protocol | 44 | |
| | | A.7.5.1 General procedures | 44 | |
| | | A.7.5.2 DAM management procedures..... | 44 | |
| | | A.7.5.3 CHV related procedures | 44 | |
| | | A.7.5.4 Authentication procedures | 45 | |
| | | A.7.5.5 UAK allocation | 45 | |
| | | A.7.5.6 General information procedures | 45 | |
| | | A.7.5.7 Subscription registration maintenance..... | 46 | |
| | Annex B (informative): | Bibliography | 47 | |
| | History | | 48 | |

Foreword

This European Telecommunication Standard (ETS) has been produced by the Digital Enhanced Cordless Telecommunications (DECT) Project of the European Telecommunications Standards Institute (ETSI).

| Transposition dates | |
|---|-------------------|
| Date of adoption: | 23 May 1997 |
| Date of latest announcement of this ETS (doa): | 30 September 1997 |
| Date of latest publication of new National Standard or endorsement of this ETS (dop/e): | 31 March 1998 |
| Date of withdrawal of any conflicting National Standard (dow): | 31 March 1998 |

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).

Blank page