



**Smart Cards;
Test specification for the Remote APDU structure
for UICC based applications;
UICC features
(Release 11)**

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Introduction

The present document defines test cases for the UICC relating to Remote APDU structure for UICC based applications as specified in ETSI TS 102 226 [1].

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1 Scope

The present document covers the minimum characteristics considered necessary for the UICC in order to provide compliance to ETSI TS 102 226 [1].

It specifies conformance test cases for the UICC relating to Remote APDU structure for UICC based applications as specified in ETSI TS 102 226 [1].

2 References

2.1 Normative references

References are either specific (identified by date of publication and/or edition number or version number) or non-specific. For specific references, only the cited version applies. For non-specific references, the latest version of the referenced document (including any amendments) applies.

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The following referenced documents are necessary for the application of the present document.

- [1] ETSI TS 102 226: "Smart Cards; Remote APDU structure for UICC based applications".
- [2] ETSI TS 102 225: "Smart Cards; Secured packet structure for UICC based applications".
- [3] ETSI TS 102 221: "Smart Cards; UICC-Terminal interface; Physical and logical characteristics".
- [4] ETSI TS 102 223: "Smart Cards; Card Application Toolkit (CAT) (Release 9)".
- [5] GlobalPlatform: "Card Specification Version 2.2.1".

NOTE: Available at <http://www.globalplatform.org/>.

- [6] ETSI TS 101 220: "Smart Cards; ETSI numbering system for telecommunication application providers".
- [7] ETSI TS 102 241: "Smart Cards; UICC Application Programming Interface (UICC API) for Java Card (TM)".
- [8] GlobalPlatform: "GlobalPlatform Card Specification Version 2.0.1".

NOTE: Available at <http://www.globalplatform.org/>.

- [9] ETSI TS 102 222: "Integrated Circuit Cards (ICC); Administrative commands for telecommunications applications".
- [10] ETSI TS 123 048: "Digital cellular telecommunications system (Phase 2+); Universal Mobile Telecommunications System (UMTS); Security mechanisms for the (U)SIM application toolkit; Stage 2 (3GPP TS 23.048)".
- [11] ETSI TS 102 127: "Smart Cards; Transport protocol for CAT applications; Stage 2".
- [12] ETSI TS 143 019: "Digital cellular telecommunications system (Phase 2+); Subscriber Identity Module Application Programming Interface (SIM API) for Java Card; Stage 2 (3GPP TS 43.019)".

- [13] FIPS-197 (2001): "Advanced Encryption Standard (AES)".
NOTE: Available at <http://csrc.nist.gov/publications/fips/index.html>.
- [14] NIST Special Publication 800-38A (2001): "Recommendation for Block Cipher Modes of Operation - Methods and Techniques".
NOTE: Available at <http://csrc.nist.gov/publications/nistpubs/>.
- [15] NIST Special Publication 800-38B (2001): "Recommendation for Block Cipher Modes of Operation: The CMAC Mode for Authentication".
NOTE: Available at <http://csrc.nist.gov/publications/nistpubs/>.
- [16] GlobalPlatform: "Card UICC Configuration", Version 1.0.1.
NOTE: Available at <http://www.globalplatform.org/>.
- [17] ETSI TS 102 588: "Smart Cards; Application invocation Application Programming Interface (API) by a UICC webserver for Java Card™ platform".
- [18] GlobalPlatform: "Confidential Card Content Management Card Specification v2.2 - Amendment A V1.0.1".
NOTE: Available at <http://www.globalplatform.org/>.
- [19] GlobalPlatform: "Card Specification Version 2.2, Amendment B" Version 1.1.
NOTE: Available at <http://www.globalplatform.org/>.
- [20] ETSI TS 102 483: "Smart cards; UICC-Terminal interface; Internet Protocol connectivity between UICC and terminal".
- [21] ISO/IEC 8825-1: "Information technology - ASN.1 encoding rules: Specification of Basic Encoding Rules (BER), Canonical Encoding Rules (CER) and Distinguished Encoding Rules (DER)".
- [22] GlobalPlatform: "Card Specification Version 2.2, Amendment C: Contactless Services" Version 1.0.1.
NOTE: Available at <http://www.globalplatform.org/>.
- [23] ETSI TS 102 622: "Smart Card; UICC - Contactless Front-end (CLF) Interface; Host Controller Interface (HCI)".
- [24] GlobalPlatform: "Security Upgrade for Card Content Management - GlobalPlatform Card Specification v2.2 - Amendment E".
NOTE: Available at <http://www.globalplatform.org/>.
- [25] GlobalPlatform: "Java Card API and Export File for Card Specification v2.2.1 (org.globalplatform) V1.5".
NOTE: Available at <http://www.globalplatform.org/>.
- [26] Oracle "Application Programming Interface, Java Card™ Platform, 3.0.1 Classic Edition".
- [27] Oracle "Runtime Environment Specification, Java Card™ Platform, 3.0.1 Classic Edition".
- [28] Oracle "Virtual Machine Specification Java Card™ Platform, 3.0.1 Classic Edition".
NOTE: Oracle Java Card™ Specifications can be downloaded at <http://docs.oracle.com/javame/javacard/javacard.html>.
- [29] ISO/IEC 9646-7:1995: "Information technology -- Open Systems Interconnection -- Conformance testing methodology and framework -- Part 7: Implementation Conformance Statements".