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(Release 11)

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ETSI

650 Route des Lucioles F-06921 Sophia Antipolis Cedex - FRANCE

Tel.: +33 4 92 94 42 00 Fax: +33 4 93 65 47 16

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Foreword

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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].

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.

• In the case of a reference to a TC SCP document, a non-specific reference implicitly refers to the latest version of that document in the same Release as the present document.

Referenced documents which are not found to be publicly available in the expected location might be found at https://docbox.etsi.org/Reference.

NOTE: While any hyperlinks included in this clause were valid at the time of publication, ETSI cannot guarantee their long term validity.

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".
NO	TE: 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".
NO	TE: 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)".

FIPS-197 (2001): "Advanced Encryption Standard (AES)". [13] 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/. NIST Special Publication 800-38B (2001): "Recommendation for Block Cipher Modes of [15] Operation: The CMAC Mode for Authentication". NOTE: Available at http://csrc.nist.gov/publications/nistpubs/. GlobalPlatform: "Card UICC Configuration", Version 1.0.1. [16] NOTE: Available at http://www.globalplatform.org/. ETSI TS 102 588: "Smart Cards; Application invocation Application Programming Interface [17] (API) by a UICC webserver for Java CardTM 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". ISO/IEC 8825-1: "Information technology - ASN.1 encoding rules: Specification of Basic [21] 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/. ETSI TS 102 622: "Smart Card; UICC - Contactless Front-end (CLF) Interface; Host Controller [23] Interface (HCI)". GlobalPlatform: "Security Upgrade for Card Content Management - GlobalPlatform Card [24] Specification v2.2 - Amendment E". NOTE: Available at http://www.globalplatform.org/. GlobalPlatform: "Java Card API and Export File for Card Specification v2.2.1 [25] (org.globalplatform) V1.5". Available at http://www.globalplatform.org/. NOTE: Oracle "Application Programming Interface, Java Card™ Platform, 3.0.1 Classic Edition". [26] Oracle "Runtime Environment Specification, Java CardTM Platform, 3.0.1 Classic Edition". [27] Oracle "Virtual Machine Specification Java Card™ Platform, 3.0.1 Classic Edition". [28] NOTE: Oracle Java CardTM 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".

[30] ETSI TS 102 230-2: "Smart Cards; UICC-Terminal interface; Physical, electrical and logical test specification; Part 2: UICC features (Release 9)".

2.2 Informative 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.

• In the case of a reference to a TC SCP document, a non-specific reference implicitly refers to the latest version of that document in the same Release as the present document.

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The following referenced documents are not necessary for the application of the present document but they assist the user with regard to a particular subject area.

Not applicable.

3 Definition of terms, symbols, abbreviations and formats

3.1 Terms

For the purposes of the present document, the terms given in ETSI TS 102 226 [1], ETSI TS 102 127 [11] and the following apply:

Controlling Authority Security Domain (CASD): on-card controlling entity representing an off card trusted third party

NOTE: It provides services to confidentially load or generate Secure Channel keys of the APSD.

3.2 Symbols

Void.

3.3 Abbreviations

For the purposes of the present document, the abbreviations given in ETSI TS 102 226 [1], ETSI TS 102 127 [11] and the following apply:

ACK ACKnowledge Access Domain Data **ADD Application Data File ADF ADP** Access Domain Parameter **AES** Advanced Encryption Standard **Application IDentifier AID APDU** Application Protocol Data Unit API **Application Programming Interface APSD Application Provider Security Domain BER-TLV** Basic Encoding Rules - Tag, Length, Value BIP Bearer Independent Protocol C-APDU Command - Application Protocol Data Unit Controlling Authority Security Domain CASD **CBC** Cell Broadcast Centre

CLA **CLAss CMAC** Cipher-based Message Authentication Code DAP Data Authentication Pattern DEK Data Encryption Key DES **Data Encryption Standard** DF Directory File **ECB** Electronic Code Book **ECKA** Elliptic Curve Key Agreement algorithm **ECKA** EG ElGamal ECKA EF Elementary File HTTP HyperText Transfer Protocol **HTTPS** HyperText Transfer Protocol Secure Integrated Circuit Card IDentification **ICCID INS INStruction Issuer Security Domain** ISD Key and algorithm Identifier for ciphering KIc **KID** Key and algorithm IDentifier for RC/CC/DS MAC Message Authentication Code MF Management Field MSL Minimum Security Level Minimum Security Level Data **MSLD** OTA Over The Air **PDU** Packet Data Unit RAM Remote Application Management R-APDU Response - Application Protocol Data Unit RF Radio Frequency **RFM** Remote File Management **RFU** Reserved for Future Use SCP02 Secure Channel Protocol 02 Security Domain

3.4 **Formats**

SD SDU

TAR TCP

TLV

Format of the table of optional features 3.4.1

Toolkit Application Reference

Transmission Control Protocol

The columns in table 4.1 have the following meaning.

Service Data Unit

Tag Length Value

Column	Meaning						
Option	The optional feature supported or not by the IUT.	al feature supported or not by the IUT.					
Status	See clause 3.4.3.	e clause 3.4.3.					
Support	The support columns are to be filled in by the supplier of the implementation. The following common notations, defined in ISO/IEC 9646-7 [29], are used for the support column in table 4.1. Y or y supported by the implementation. N or n not supported by the implementation. N/A, n/a or - no answer required (allowed only if the status is N/A, directly or after evaluation of a conditional status).						
Mnemonic	The mnemonic column contains mnemonic identifiers for each item.						

3.4.2 Format of the applicability table

The applicability of every test in table 4.2 is formally expressed by the use of Boolean expression defined in the following clause.

The columns in table 4.2 have the following meaning.

Column	n Meaning			
Clause	The "Clause" column identifies the clause containing the test case referenced in the "Test case number and description" column.			
Test case number and description	The "Test case number and description" column gives a reference to the test case number (along with the corresponding description) detailed in the present document and required to validate the IUT.			
Release	The "Release" column gives the Release applicable and onwards, for the corresponding test case.			
Rel-x UICC	For a given Release, the corresponding "Rel-x UICC" column lists the tests required for a DUT to be declared compliant to this Release.			
Support	The "Support" column is blank in the proforma, and is to be completed by the manufacturer in respect of each particular requirement to indicate the choices, which have been made in the implementation.			

3.4.3 Status and Notations

The "Rel-x" columns show the status of the entries as follows:

The following notations, defined in ISO/IEC 9646-7 [29], are used for the status column:

M	mandatory - the capability is required to be supported.
O	optional - the capability may be supported or not.
N/A	not applicable - in the given context, it is impossible to use the capability.
X	prohibited (excluded) - there is a requirement not to use this capability in the given context.
O.i	qualified optional - for mutually exclusive or selectable options from a set. "i" is an integer which identifies an unique group of related optional items and the logic of their selection which is defined immediately following the table.
Ci	conditional - the requirement on the capability ("M", "O", "X" or "N/A") depends on the support of other optional or conditional items. "i" is an integer identifying an unique conditional status expression which is defined immediately following the table. For nested conditional expressions, the syntax "IF THEN (IF THEN ELSE) ELSE" is to be used to avoid ambiguities.

References to items

For each possible item answer (answer in the support column) there exists a unique reference, used, for example, in the conditional expressions. It is defined as the table identifier, followed by a solidus character "/", followed by the item number in the table. If there is more than one support column in a table, the columns are to be discriminated by letters (a, b, etc.), respectively.

EXAMPLE: 4.1/4 is the reference to the answer of item 4 in table 4.1.

The ID (identifier) of a test case consists of a main identifier and optionally a sub-identifier; for example, 2-1 and 3. A sub-identifier is used when there are multiple test cases with this same main identifier; otherwise, no sub-identifier is used. Reference to a main identifier when the relevant test cases also have sub-identifier are assumed to reference all of the test cases with that main identifier.

4 Test Environment

4.1 Test Applicability

4.1.1 Table of optional features

The device supplier shall state the support of possible options in table 4.1. See clause 3.3 for the format of table 4.1.

Table 4.1: Options

Item	Option	Status	Support	Mnemonic
1	CAT TP protocol is supported	0		O_CAT_TP
2	SMS protocol supported	0		O_SMS
3	HTTPS protocol supported	0		O_HTTPS
4	The TAR may be taken out of the AID	0		O_Default_TAR
5	Reader Mode, Type A	0		O_RM_A
6	Reader Mode, Type B	0		O_RM_B
7	DES used for ciphering	0		O_DES_CHP
8	STORE DATA command is supported	0		O_STORE_DATA_CMD
9	Additional combinations of the P1 parameter is supported for command GET STATUS; i.e. setting more than one bit of b5 to b8	0		O_P1_ADD_COM

4.1.2 Applicability table

Table 4.2 specifies the applicability of each test case to the device under test. See clause 3.3 for the format of table 4.2.

Table 4.2 a): Applicability of tests

Clause	Test case number and description	Release	Rel-11 UICC	Support
6.2.2.1	Test case 1: A command session with C-APDU TLV Structure with definite length coding	Rel-11	М	
6.2.2.2	Test case 2: A command session containing multiple commands with C-APDU TLV Structure with definite length coding - Bad Format	Rel-11	М	
6.2.2.3	Test case 3: A command session with C-APDU TLV Structure with indefinite length coding	Rel-11	M	
6.2.2.4	Test case 4: A command session with C-APDU TLV Structure with indefinite length coding - Bad Format	Rel-11	M	
6.2.2.5	Test case 5: A command session with Immediate Action TLV Structure with definite length coding - Normal Format	Rel-11	М	
6.2.2.6	Test case 6: A command session with Immediate Action TLV Structure with definite length coding - Referenced Format	Rel-11	М	
6.2.2.7	Test case 7: A command session with Immediate Action TLV Structure with definite length coding - Immediate Action Error	Rel-11	М	
6.2.2.8	Test case 8: A command session with Immediate Action TLV Structure with indefinite length coding - Normal Format	Rel-11	М	
6.2.2.9	Test case 9: A command session with Immediate Action TLV Structure with indefinite length coding - Referenced Format	Rel-11	М	
6.2.2.10	Test case 10: A command session with Immediate Action TLV Structure with indefinite length coding - Immediate Action Error	Rel-11	М	
6.2.2.11	Test case 11: A command session with Error Action TLV Structure with definite length coding - normal format	Rel-11	М	
6.2.2.12	Test case 12: A command session with Error Action TLV Structure with definite length coding - Referenced format	Rel-11	М	
6.2.2.13	Test case 13: A command session with Error Action TLV Structure with indefinite length coding - Normal format	Rel-11	М	
6.2.2.14	Test case 14: A command session with Error Action TLV Structure with indefinite length coding - Referenced format	Rel-11	М	

Clause	Test case number and description	Release	Rel-11 UICC	Support
6.2.2.15	Test case 15: A command session with Script Chaining TLV Structure with definite length coding	Rel-11	М	
6.2.2.16	Test case 16: A command session with Script Chaining TLV Structure with definite length coding (Script Chaining Error)	Rel-11	М	
6.2.2.17	Test case 17: A command session with Script Chaining TLV Structure with indefinite length coding	Rel-11	М	
6.2.2.18	Test case 18: A command session with Script Chaining TLV Structure with indefinite length coding (Script Chaining Error)	Rel-11	М	
6.4.1.1	Test case 1: A command session with a single SELECT command. Check access to the file tree.	Rel-11	М	
6.4.1.2	Test case 2: A command session with multiple commands (SELECT, UPDATE BINARY, READ BINARY).	Rel-11	М	
6.4.1.3	Test case 3: A command session with multiple commands (SEARCH RECORD, UPDATE RECORD, INCREASE, READ RECORD)	Rel-11	М	
6.4.1.4	Test case 4: A command session with multiple commands (SET DATA, RETRIEVE DATA).	Rel-11	М	
6.4.1.5	Test case 5: A command session with multiple commands (ACTIVATE FILE, DEACTIVATE FILE)	Rel-11	М	
6.4.1.6	Test case 6: A command session with multiple commands (VERIFY PIN, CHANGE PIN).	Rel-11	М	
6.4.1.7	Test case 7: A command session with multiple commands (DISABLE PIN, ENABLE PIN).	Rel-11	М	
6.4.1.8	Test case 8: A command session with multiple commands (UNBLOCK PIN).	Rel-11	М	
6.4.1.9	Test case 5: A command session with multiple commands (CREATE FILE, RESIZE FILE, DELETE FILE)	Rel-11	М	
6.5.1.1	Test case 1: DELETE command	Rel-11	М	
6.5.2.1	Test case 1: SET STATUS command within a command session	Rel-11	М	
6.5.3.1.1	Test case 1: INSTALL [for load] as a single command in the session	Rel-11	M	
6.5.3.1.2	Test case 2: INSTALL[for load] with memory management parameters	Rel-11	М	
6.5.3.2.1	Test case 1: INSTALL[for install] with SIM File Access and Toolkit Application Specific Parameters	Rel-11	М	
6.5.3.2.2	Test case 2: INSTALL[for install] with UICC System Specific Parameters and SIM File Access and Toolkit Application Specific Parameters	Rel-11	М	
6.5.3.2.3	Test case 3: INSTALL[for install] with UICC System Specific Parameter "UICC Toolkit Application specific parameters field"	Rel-11	М	
6.5.3.2.4	Test case 4: INSTALL[for install] with UICC System Specific Parameter "UICC Access Application specific parameters field"	Rel-11	М	
6.5.3.2.5	Test case 5: INSTALL[for install] with UICC System Specific Parameter "UICC Administrative Access Application specific parameters field"	Rel-11	М	
6.5.3.2.6	Test case 6: INSTALL[for install] with UICC System Specific Parameter "UICC Access Application specific parameters field" and "UICC Administrative Access Application specific parameters field" for the same ADF	Rel-11	M	
6.5.3.2.7	Test case 7: INSTALL[for install] with UICC System Specific Parameter "UICC Access Application specific parameters field" and "UICC Administrative Access Application specific parameters field" for the same UICC file system	Rel-11	M	
6.5.3.2.8	Test case 8: INSTALL[for install] with the maximum number of timers required for SIM Toolkit Application Specific Parameters set too high ('09')	Rel-11	М	
6.5.3.2.9	Test case 9: INSTALL[for install] with the maximum number of timers required for UICC Toolkit Application Specific Parameters set too high ('09')	Rel-11	М	
6.5.3.2.10	Test case 10: INSTALL[for install] with the maximum number of channels required for SIM Toolkit Application Specific Parameters set too high ('08')	Rel-11	М	
6.5.3.2.11	Test case 11: INSTALL[for install] with the maximum number of channels required for UICC Toolkit Application Specific Parameters set too high ('08')	Rel-11	М	

	T	i .	UICC	
	Test case 12: INSTALL[for install] with the maximum number of services required for UICC Toolkit Application Specific Parameters set too high ('09')	Rel-11	М	
6.5.3.2.13	Test case 13: INSTALL[for install] with requested item identifier for SIM Toolkit Application Specific Parameters set to '128'	Rel-11	М	
	Test case 14: INSTALL[for install] with requested item identifier for UICC Toolkit Application Specific Parameters set to '128'	Rel-11	М	
	Test case 15: INSTALL[for install] with Minimum Security Level field of SIM Toolkit Application different from zero	Rel-11	C001	
	Test case 16: INSTALL[for install] with Minimum Security Level field of UICC Toolkit Application different from zero	Rel-11	C001	
	Test case 17: INSTALL[for install] with Minimum Security Level field of SIM Toolkit Application different from SPI1	Rel-11	C001	
	Test case 18: INSTALL[for install] with Minimum Security Level field of UICC Toolkit Application different from SPI1	Rel-11	C001	
	Test case 19: INSTALL[for install] SIM Toolkit Applications with Access Domain Parameter equal to '00' and 'FF'	Rel-11	М	
	Test case 20: INSTALL[for install] UICC Toolkit Applications with Access Domain Parameter equal to '00' and 'FF'	Rel-11	М	
	Test case 21: INSTALL[for install] SIM Toolkit Application with Access Domain Parameter equal to '00' and access condition set to 'NEVER'	Rel-11	М	
	Test case 22: INSTALL[for install] UICC Toolkit Application with Access Domain Parameter equal to '00' and access condition set to 'NEVER'	Rel-11	М	
	Test case 23: INSTALL[for install] SIM Toolkit Application with Access Domain Parameter not supported	Rel-11	М	
	Test case 24: INSTALL[for install] UICC Toolkit Application with Access Domain Parameter not supported	Rel-11	М	
	Test case 25: INSTALL[for install] UICC Toolkit Application with Access Domain Parameter equal to '02'	Rel-11	М	
	Test case 26: INSTALL[for install] SIM Toolkit Applications with Access Domain Parameter equal to '00' - independency from the PIN status at UICC-Terminal interface	Rel-11	М	
	Test case 27: INSTALL[for install] UICC Toolkit Applications with Access Domain Parameter equal to '00' - independency from the PIN status at UICC-Terminal interface	Rel-11	М	
	Test case 28: INSTALL[for install] of SIM Toolkit Applications with different Priority levels	Rel-11	М	
	Test case 29: INSTALL[for install] of UICC Toolkit Applications with different Priority levels	Rel-11	М	
	Test case 30: INSTALL[for install] SIM Toolkit Applets with same Priority levels	Rel-11	М	
	Test case 31: INSTALL[for install] UICC Toolkit Applets with same Priority levels	Rel-11	М	
	Test case 32: INSTALL[for install] two SIM Toolkit Applications with identical TAR value	Rel-11	М	
	Test case 33: INSTALL[for install] two UICC Toolkit Application with identical TAR value	Rel-11	М	
	Test case 34: INSTALL[for install] SIM Toolkit Application with multiple TAR values	Rel-11	C001	
	Test case 35: INSTALL[for install] UICC Toolkit Application with multiple TAR values	Rel-11	C001	
6.5.3.2.36	Test case 36: INSTALL[for install] SIM Toolkit Application without TAR value in the Install parameters, the AID contains TAR value	Rel-11	C002	
6.5.3.2.37	Test case 37: INSTALL[for install] UICC Toolkit Application without TAR value in the Install parameters, the AID contains TAR value	Rel-11	C002	
6.5.3.2.38	Test case 38: INSTALL[for install] for contactless application with Reader mode protocol data type A	Rel-11	C003	
6.5.3.2.39	Test case 39: INSTALL[for install] for contactless application with Reader mode protocol data type B	Rel-11	C004	
6.5.3.2.40	Test case 40: INSTALL[for install] for contactless application with Card Emulation mode	Rel-11	М	
6.5.4.1	Test case 1: LOAD with DES for DAP verification Test case 1: PUT KEY - create new 3DES 2 keys	Rel-11 Rel-11	M M	

Clause	Test case number and description	Release	Rel-11 UICC	Support
6.5.5.2	Test case 2: PUT KEY - create new 3DES 3 keys	Rel-11	M	
6.5.5.3	Test case 3: PUT KEY - add and replace DES keys	Rel-11	C006	
6.5.5.4	Test case 4: PUT KEY - create new 16 bytes AES keys	Rel-11	М	
6.5.5.5	Test case 5: PUT KEY - create new 24 bytes AES keys	Rel-11	М	
6.5.5.6	Test case 6: PUT KEY - create new 32 bytes AES keys	Rel-11	М	
6.5.6.1	Test case 1: GET STATUS with different P1 values	Rel-11	М	
6.5.6.2	Test case 2: GET STATUS with optional P1 values	Rel-11	C008	
6.5.6.3	Test case 3: GET STATUS returns Menu Entries in the LOCKED state	Rel-11	М	
6.5.7.1	Test case 1: GET DATA with different P1 values	Rel-11	М	
6.5.8.1	Test case 1: STORE DATA	Rel-11	C007	
6.5.8.2	Test case 2: STORE DATA with a Forbidden Load File List	Rel-11	C007	
6.6.2.1	Test case 1: Send Secured Data (READ BINARY) using Expanded and Compact format with the same TAR value	Rel-11	C005	
6.6.2.2	Test case 2: Send Secured Data (READ BINARY) using Expanded and Compact format with the same TAR value	Rel-11	C005	
6.6.2.3	Test case 3: PUSH Command, PoR required - No Error	Rel-11	C005	
6.6.2.4	Test case 4: PUSH Command - Error Case	Rel-11	C005	

Table 4.2 b): Conditional items referenced by table 4.2 a)

Conditional item	Description
C001	IF (O_CAT_TP OR O_SMS) THEN M ELSE N/A
C002	If (O_CAT_TP OR O_SMS) AND (O_Default_TAR) THEN M ELSE N/A
C003	IF O_RM_A THEN M ELSE N/A
C004	IF O_RM_B THEN M ELSE N/A
C005	IF O_CAT_TP THEN M ELSE N/A
C006	IF(O_DES_CHP AND O_CAT_TP) THEN M ELSE N/A
C007	IF O_STORE_DATA_CMD THEN M ELSE N/A
C008	IF O_P1_ADD_COM THEN M ELSE N/A

4.2 Test environment description

The general architecture for the test environment is:

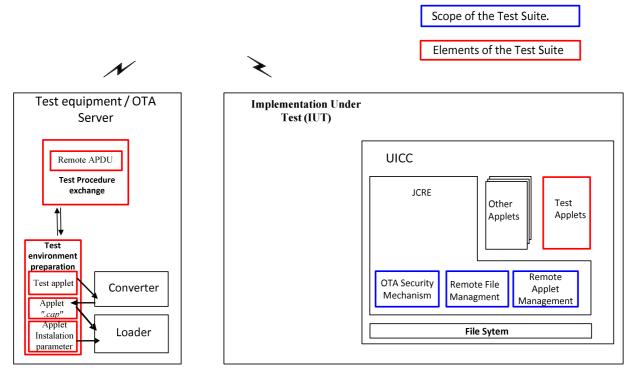


Figure 4.1

The general scheme for the Data Exchange:

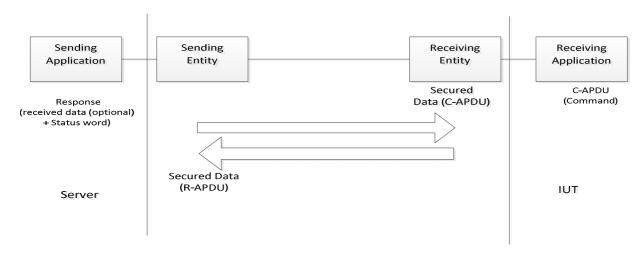


Figure 4.2

4.3 Tests format

4.3.1 Initial Conditions

In addition to the general preconditions defined in clause 4.3, this clause defines the initial conditions prior to the execution of each test case; i.e. for each ID.

4.3.2 Test procedure

Each test procedure contains a table to indicate the expected responses form the UICC as follows.

Step	Description	Expected Result	RQ
	Commands with Secured Data content	Expected returned Response with	Conformance
	description	Secured Data content description	Requirements Reference
	Each step consist of a command which may		
	contain a single command or a sequence of commands		

The detailed information on the Data Format of Secured data to be sent in the "Description" column shall be configured as specified in annex C under:

- clause C.2.1 for "Compact Remote Application Data Format"
- clause C.2.2 for "Expanded Remote Application Data Format"

The detailed information on the Command Coding of the Secured data to be sent in the "Description" shall be configured as specified in annex C under:

• clause C.1 Commands, table C.1

In case the expected returned Response with Secured Data in "Expected Result" shall contain Data in addition to the status word, the detailed description of the file contents for all system files used within the present document is specified in annex B.

4.4 General initial conditions

4.4.1 Common rules

The Initial Conditions are a set of general prerequisites for the IUT prior to the execution of testing. For each test procedure described in the present document, the following rules apply to the Initial Conditions:

- Unless otherwise stated, the file system and files content shall be restored to the contents definition in clause 4.3.1 and in annex B of the present document.
- Unless otherwise stated, before installing the applet(s) relevant to the current test procedure, no package specific to this test specification shall be present.
- Unless otherwise stated, all structured data shall be coded as Compact Remote Command Structure.
- Unless otherwise stated, all structured data sent via HTTP shall be coded as Expanded Remote command in indefinite length coding structure.
- Unless otherwise stated, the UICC shall be activated and a reset has been performed on ISO interface.
- Unless otherwise stated, the initial security conditions (i.e. PIN, ADM etc.) shall be set to the default value before running of the test case.
- Unless otherwise specified, the default SPI1 coding for a RAM application should be set to ,17' or '16'.

4.4.2 File system and files content

Figure 4.3 shows the file system and the files content that the IUT shall contain to execute the test cases of this test specification, unless otherwise stated. The definition of other files is out of scope of the present document.

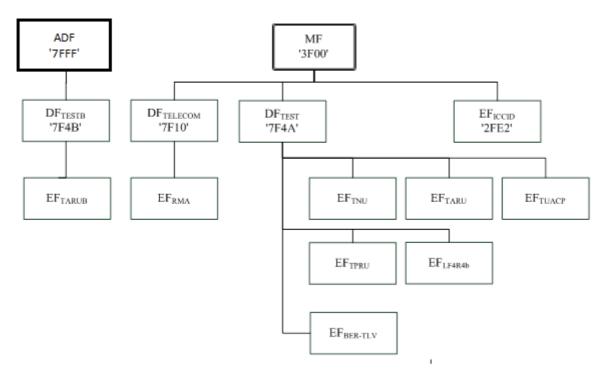


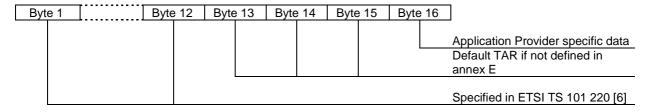
Figure 4.3

Further information can be found under annex B.

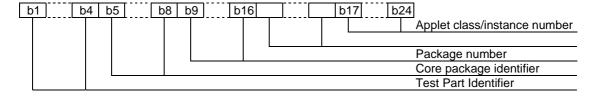
4.4.3 AID and TAR coding

The AID coding for the Test Packages, Applet classes and Applets shall be as specified in ETSI TS 101 220 [6]. In addition, the following TAR and Application Provider specific data values are defined for use within the present document.

AID coding



TAR coding (3 bytes / 24 bits):



Applet instance number, Applet Class number, Package number:

- For package AID, package number shall start from 0 and class and instance numbers shall be 0.
- For class AID, package number is the number of the class package, class number shall start from 1 and instance shall be 0.

 For instance AID, package and class number are the number of class and package of which instance belongs, and instance number shall start from 1.

Test Part and Core Package Identifier are defined in annex E, despite the values reserved in ETSI TS 101 220 [6].

Application Provider specific data (1 byte):

- '00' for Package.
- '01' for Applet class.
- '02' for Applet Instance.

Further information can be found under annex E.

4.5 Test equipment / OTA server

4.5.1 Test equipment / OTA server requirements

These sub-clauses recommend a minimum specification for each of the items of test equipment referenced in the tests.

The simulator shall meet the following requirements:

- be able to send and receive secure data commands to the IUT;
- the result of I/O commands shall be presented at the application layer;
- the structure of commands shall be according to the generalized structure defined ETSI TS 102 221 [3];
- be able to provide results of the tests;
- shall send and/or compare all data specified in test file;
- shall be able to accept all valid status codes returned.

Further requirement when the UICC interface shall be checked in the test case:

- shall provide the possibility to monitor the UICC on the ISO and SWP interfaces;
- the result of I/O commands shall be presented at the application layer.

4.5.2 Default conditions for DUT operation

- Any level 1 user verification requirement (PIN) on the IUT shall be enabled with three VERIFY PIN attempts and ten UNBLOCK PIN attempts remaining.
- The default PIN value shall be set on the IUT to '31 31 31 31 FF FF FF FF'.
- The default UNBLOCK PIN value shall be set on the IUT to '33 33 33 FF FF FF FF.'
- An application residing on the UICC shall support the required commands specified in ETSI TS 102 221 [3].

The following application could be used for this purpose:

- UICC toolkit application (applications using the uicc.toolkit.ToolkitInterface).
- SIM toolkit application (applications using the sim.toolkit.ToolkitInterface or sim.access.SIMView).

4.5.3 Java Card™ Software Development Kit

Java CardTM software development kit (SDK) version supported by Java Card 3.0.1 specifications ([26], [27] and [28]) is 1.5.

5 Conformance Requirements

5.1 Overview of remote management

Reference: ETSI TS 102 226 [1], clause 4.

RQ number	Clause	Description
RQ01_0001	4	All data exchanged between the Sending Entity and Receiving Entity shall be formatted as "Secured data" according to ETSI TS 102 225 [2].
RQ01_0002	4	The parameter(s) in the "Secured data" is either a single command, or a list of
		commands, which shall be processed sequentially.
RQ01_0003	4	The Remote Management application shall take parameters from the "Secured data"
		and shall act upon the files or applications or perform other actions according to these
		parameters.
RQ01_0004	4	Remote Management commands shall be executed by the dedicated Remote
		Management Application.
RQ01_0005	4	A "Command session" is defined as starting upon receipt of the parameter/command
		list, and ends when the parameter list in the "Secured data" is completed, or when an
		error (i.e. SW1 of the command indicates an error condition) is detected which shall halt
		further processing of the command list.
RQ01_0006	4	Warnings or procedure bytes do not halt processing of the command list.
RQ01_0007	4	A "Command session" shall be handled like an application session defined in ETSI
		TS 102 221 [3] (for RFM) and GlobalPlatform Card Specification [5] (for RAM).
RQ01_0008	4	Application selection at the beginning of the session happens implicitly based on the header information (TAR or HTTP header field X-Admin-Targeted-Application).
RQ01_0009	4	Unless defined otherwise in ETSI TS 102 226 [1], the session context shall be deleted
		when the "Command session" ends.
RQ01_0010	4	At the beginning and end of a Command "session" the logical state of the UICC as
		seen from the terminal shall not be changed to an extent sufficient to disrupt the
		behaviour of the terminal.
RQ01_0011	4	If changes in the logical state have occurred that the terminal needs to be aware of, the
		application on the UICC may issue a REFRESH command according to ETSI
		TS 102 223 [4].
NOTE: RQ01	_0008 is in	nplicitly tested in the present document.

5.2 Remote APDU format

Reference: ETSI TS 102 226 [1], clause 5.

RQ number	Clause	Description	
RQ02_0101	5.1.1	A command string may contain a single command or a sequence of commands.	
RQ02_0102	5.1.1	The structure of each command shall be according to the generalized structure defined below; each element other than the Data field is a single octet (see ETSI TS 102 221 [3]). The format of the commands is the same as the one defined in ETSI TS 102 221 [3] for T = 0 TPDU commands.	
		Class byte (CLA) Instruction code (INS) P1 P2 P3 Data	
RQ02_0103	5.1.1	If the sending application needs to retrieve the Response parameters/data of a case 4 command, then a GET RESPONSE command shall follow this command in the command string.	
RQ02_0104	5.1.1	The GET RESPONSE and any case 2 command (i.e. READ BINARY, READ RECORD) shall only occur once in a command string and, if present, shall be the last command in the string.	
RQ02_0105	5.1.1	For all case 2 commands and for the GET RESPONSE command, if P3 = '00', then the UICC shall send back all available response parameters/data e.g. if a READ RECORD command has P3 = '00' the whole record shall be returned.	
RQ02_0106	5.1.1	In case the data is truncated in the response, the remaining bytes are lost and the status words shall be set to '62 F1'.	

RQ number Clause		Description		
RQ02_0107 5.1.1		The limitation of 256 bytes does not apply for the length of the response data.		
NOTE: RQ02	NOTE: RQ02_0102 is implicitly tested in the present document. All tests related to ETSI TS 102 221 [3] UICC			
compliance to be provided in ETSI TS 102 230-2 [30].				

RQ number	Clause	Description		
RQ02_0201	5.1.2	If a proof of Receipt is required by the sending entity, the Additional Response Data sent by the Remote Management Application shall be formatted as following: Number of commands executed within the command script, with Length =1. This field shall be set to '01' if one command was executed within the command script, '02' if two commands were executed, etc. Status bytes or '61 xx' procedure bytes of last executed command/GET RESPONSE, of Length = 2. Response data of last executed command / GET RESPONSE if available (i.e. if the last command was a case 2 command or a GET RESPONSE), with Length = X.		
NOTE: This field shall be set to '01' if one command was executed within the command script, '02' if two				
comr	nands were	executed, etc.		

RQ number	Clause		Description
RQ2_0301	5.2.1		te command structure, the "Secured data" sent to a Remote
			ation shall be a BER-TLV data object formatted according to the
		table below for defini	te length coding:
		Length in bytes	Name
		 	
		1	Command Scripting template tag for definite length coding Length of Command Scripting template= A+B+C
		L	
		A B	Command TLV
		В	Command TLV
		С	Command TLV
		Where the tag of this	TLV is defined in annex A.
RQ02_0301a	5.2.1		te command structure, the "Secured data" sent to a Remote
11402_00014	0.2		ation shall be a BER-TLV data object formatted according to the
		table below for indefi	
			3 3
		Length in bytes	Name
		1	Command Scripting template tag for indefinite length coding
		1	Indicator for indefinite length coding (value '80')
		А	Command TLV
		В	Command TLV
		С	Command TLV
		2	End of content indicator (value '00 00')
		Where the tag of this	TLV is defined in annex A.
RQ02_0302	5.2.1	A Remote Managem	ent application command string may contain a single or several
		Command TLVs.	
RQ02_0303	5.2.1		is a C-APDU it shall contain a remote management command
RQ02_0304	5.2.1		is an Immediate Action TLV it shall contain a proactive
			action to be performed when it is encountered while processing
		the sequence of Con	
RQ02_0305	5.2.1		is an Error Action TLV it shall contain a proactive command to
			an error is encountered in a C APDU following this TLV.
RQ02_0306	5.2.1		n be a script Chaining TLV as first Command TLV.
NOTE: For te	esting RQ02	$_0301$ the tags of the $\overline{}$	TLVs are defined in ETSI TS 102 226 [1], in annex A.

RQ number	Clause	Description	
RQ02_0401	5.2.1.1	The structure of each C-APDU shall be a TLV structure coded according to the C-APDU COMPREHENSION-TLV data object coding defined in ETSI TS 102 223 [4]. The restriction on the length of the C-APDU mentioned in the note in	
		ETSI TS 102 223 [4]. The restriction on the length of the C-APDO mentioned in the note in	
RQ02_0402	5.2.1.1	For all case 2 and case 4 C-APDUs, if Le='00' in the C-APDU, then the UICC shall send back all available response parameters/data in the R-APDU e.g. if a READ RECORD command has Le='00' the whole record shall be returned. The limitation of 256 bytes does not apply for the length of the response data.	
RQ02_0403	5.2.1.1	In case the data is truncated in the response of a C-APDU, the status words for this C-APDU shall be set to '62 F1' in the corresponding R-APDU. This shall terminate the processing of the command list.	
RQ02_0404	5.2.1.1	If a R-APDU fills the response buffer so that no further R-APDU can be included in the response scripting template, this shall terminate the processing of the command list.	
RQ02_0405	5.2.1.1	If Le field is empty in the C-APDU, then no response data is expected in the R-APDU and in case of expanded format with definite length coding, no R-APDU shall be returned by the UICC in the application additional response data except if the corresponding C-APDU is the last command executed in the script.	
NOTE: RQ02_0401 is verified in the present document for some C-APDUs. Further tests on TLV structure coding is out of the scope of the present document.			

RQ number	Clause	Description			
RQ02_0501	5.2.1.2				
		Length in bytes	Name		
		1	Immediate Action tag (see annex A)		
		L	Length of Immediate Action = A > 1		
		A	Set of COMPREHENSION-TLV data objects		
RQ02_0502	5.2.1.2	If the referenced format is us	sed for Immediate Action TLV it shall be formatted as:		
		Length in bytes	Name		
		1	Immediate Action tag (see annex A)		
		1	Length of Immediate Action = 1		
		1	'01' to '7F': Reference to a record in EF _{RMA}		
			'81': Proactive session indication		
			'82': Early response		
			other values: RFU		
			<u> </u>		
RQ02_0503	5.2.1.2	In case Immediate Action TLV with reference format and in case of reference to			
			ced record shall contain the set of COMPREHENSION-		
			by a length value as defined for a BER-TLV, see ETSI		
2000 0504	5 0 4 0	TS 102 222 [9].	. 		
RQ02_0504	5.2.1.2	If present, the immediate Act	tion TLV coding "proactive session indication" shall be:		
			ne script if there is no script chaining. in the script if there is script chaining.		
RQ02_0505	5.2.1.2		indication", execution of the remaining script shall be		
NQ02_0303	5.2.1.2	suspended if a proactive ses			
RQ02_0506	5.2.1.2		indication", execution of the remaining script shall be		
	0.2.1.2	suspended if a proactive session is ongoing. Script processing shall be resumed			
			e session. If the UICC cannot suspend the script		
			e is not enough internal resources available, the UICC		
			ig of the script and return a "suspension error" in the		
		response data.	·		
RQ02_0507	5.2.1.2	If no "proactive session indic	ation" is present as first Command TLV and another		
			, proactive commands in the script shall be silently		
		ignored.			
RQ02_0508a	5.2.1.2		the response to the sending entity shall be sent before		
		processing the rest of the co			
RQ02_0508b	5.2.1.2		the number of executed commands TLV objects shall		
			mmediate action TLV encoding the "early response".		
RQ02_0508c	5.2.1.2		no other response data shall be sent after the response		
		sent due to the early respons	se action TLV.		

RQ number	Clause	Description
RQ02_0509	5.2.1.2	Proactive commands DISPLAY TEXT, PLAY TONE and REFRESH are allowed as
		Immediate Action.

RQ number	Clause	Description		
RQ02_0601	5.2.1.3	The Error Action TLV - norm	al format shall be formatted as:	
		Length in bytes	Name	
		1	Error Action tag (see annex A)	
		L	Length of Error Action = A > 1	
		A	Set of COMPREHENSION-TLV data objects	
RQ02_0602	5.2.1.3	The Error Action TLV - refere	enced format shall be formatted as:	
		Length in bytes	Name	
		1	Error Action tag (see annex A)	
		1	Length of Error Action = 1	
		1	'01' to '7F': Reference to a record in EFRMA other values: RFU	
RQ02_0603	5.2.1.3	The Error Action TLV - no ac	ction shall be formatted as:	
		Length in	bytes Name	
		1	Error Action tag (see annex A)	
		1	Length of Error Action = 0	
RQ02_0604	5.2.1.3		, the referenced record in EF _{RMA} shall contain the set of ta objects preceded by a length value as defined for a 048 [10].	
RQ02_0605	5.2.1.3	Proactive commands for Error Action DISPLAY TEXT and PLAY TONE are allowed for Error Action		
RQ02_0606	5.2.1.3		V between the start of the script and the C-APDU	
_			on defined in the last Error Action TLVs shall be	
			Action TLV has zero length, no action shall be performed.	
RQ02_0607	5.2.1.3	If there is no Error Action TLV between the start of the script and the C-APDU		
		resulting in an error, no actio	n shall be performed.	

RQ number	Clause	Description			
RQ02_0701	5.2.1.4	The optional Script Chaining TLV shall be coded as:			
		Length in bytes	Name		
		1	Script Chaining tag		
		1	Script Chaining Length = 1		
		1	Script Chaining Value		
		The Script Chaining tag is defined in	annex A.		
RQ02_0702	5.2.1.4	If present, the Script Chaining TLV shall be present only once and shall be the first Command TLV in the Command Script. It may only be present for Remote File Management or Remote Application Management.			
RQ02_0703	5.2.1.4	If it is received by any other application standardized in the present document, the error "Script Chaining not supported by this application" shall be sent back to the sending entity.			
RQ02_0704	5.2.1.4	The Script Chaining Value is defined as follows: '01': first script - delete chaining information upon card reset - valid for RFM and RAM. '11': first script - keep chaining information across card reset - valid for RFM only. '02': subsequent script - subsequent script(s) will follow. '03': subsequent script - last script.			
RQ02_0705	5.2.1.4	With script chaining, a command session is extended beyond the scope of one command scripting TLV; the session context is kept until the last script.			

RQ number	Clause	Description		
RQ02 0801	5.2.2	In case no Script Chaining is present in the command list or processing of the Script		
RQ02_0801	5.2.2	Chaining produces no error, it shall be formatted for Expanded Format of Remote Management application additional response data in case of definite length coding		
		as:		
		-		
		Length in bytes	Name	
		1	Response Scripting template tag for definite length coding	
		L	Length of Response Scripting template= X+A+BC	
		Х	Number of executed Command TLV objects	
		A	R-APDU of first executed case 2/ case 4 C-APDU in the	
			script	
		В	R-APDU of second executed case 2/ case 4 C-APDU in the	
			script	
			Script	
		С	R-APDU of last executed C-APDU (case 1, 2, 3 or 4) in the	
			script or Bad format TLV	
			st executed C-APDU is a case 2 or case 4 command, its	
			onding R-APDU TLV shall only be present once in the	
		Respons	se Scripting template.	
		Where the tag of thi	s TLV is defined in annex A	
RQ02_0801a	5.2.2	The Response Scrip	oting template is a BER-TLV data object as defined in ETSI	
_], i.e. it uses definite length coding; see RQ02_0301 it shall be	
			d scripting template used definite length coding.	
RQ02_0802	5.2.2		naining is present in the command list or processing of the Script	
	0.2.2		no error, it shall be formatted for Expanded Format of Remote	
			ation additional response data in case of indefinite length coding	
		as:	ation additional reopence data in eace of indefinite length coding	
		as.		
		Length in bytes	Name	
		1	Response Scripting template tag for indefinite length coding	
		1	Indicator for indefinite length coding (value '80')	
		A	R-APDU of first executed C-APDU in the script	
		В	R-APDU of second executed C-APDU in the script	
		С	R-APDU of last executed C-APDU in the script or Bad format	
			TLV .	
		2	End of content indicator (value '00 00')	
			, , , , , , , , , , , , , , , , , , , ,	
		Where the tag of thi	s TLV is defined in annex A	
RQ02_0802a	5.2.2		oting template is a BER-TLV data object which uses indefinite	
11Q02_0002a	0.2.2		fined in ISO/IEC 8825-1 [21]; see RQ02_0302. It shall be used if	
			ing template used indefinite length coding.	
RQ02_0803	5.2.2		oting template is a BER TLV data object as defined in ETSI	
NQ02_0003	5.2.2		it uses definite length coding; see table 5.2 [1]. It shall be used if	
DO00 0004	F 0 0		ing template used definite length coding.	
RQ02_0804	5.2.2		oting template is a BER-TLV data object which uses indefinite	
			fined in ISO/IEC 8825-1 [21]; see table 5.2a [1]. It shall be used if	
2000 0000			ing template used indefinite length coding.	
RQ02_0805	5.2.2	In case the definite length coding is used, the Number of executed command		
		objects is a BER-TL	V data object and shall be coded as shown below:	
		Length in I		
		1	Number of executed command TLV objects tag	
	1	1	Length=X	
		Х	Number of executed command TLV objects	
	1	7. I Turnibor or oxoodica command 124 objects		
		Where the tag of thi	s TLV is defined in annex A.	
RQ02_0806	5.2.2		th R-APDU shall be a TLV structure coded according to the	
1.002_0000	0.2.2	R-APDU COMPREHENSION-TLV data object coding defined in ETS		
			TENTOTON TEV data object coding defined in ETSI	
DO02 0007	5 2 2	TS 102 223 [4].	e length of the R-APDU mentioned in the note in ETSI	
RQ02_0807	5.2.2			
			not apply. For Le='00', the length of the R-APDU may be coded	
		on more than two by	/tes.	

RQ number	Clause	Description				
RQ02_0809	5.2.2	In case of an unknown Tag, or TLV with a wrong format (e.g. length > length of BER-				
					rocessing the commar	
					data and processing	of the command
2000		script shall be aborte	ed at th	at point.		
RQ02_0810	5.2.2	The Number of executed C-APDUs shall take into account the incorrectly formatted				ncorrectly formatted
DO00 0044	5.0.0	TLV.	/ : DI	TD TI \/ dete		ad as fallavii
RQ02_0811	5.2.2	The Bad format TLV is a BER-TLV data object and shall be coded as follow:			ed as follow:	
			Lenc	th in bytes	Description	1
			Leng	1	Bad format TLV tag	
				1	Length	
				1	Error type	
					71 -	1
		Where the tag of this	s TLV is	s defined in ar	nnex A.	
RQ02_0812	5.2.2				following error type co	ding:
		• '01': Unkno				
		• '02': Wrong				
		 '03': Length 				
D000 0040-	5.0.0	other value				tional managed data
RQ02_0812a	5.2.2				ement application addite length coding and If	
					roactive session is ong	
					additional response ap	
					d indicate "suspension	
			J		· ·	
		Length in bytes			Name	
					emplate tag for definite	
		L Length of Response Scripting template= X+A				
		X Number of executed command TLV objects (value is 1)				
		A	Immedi	ate Action Re	sponse	
		Where the tag of this	c TI V id	a defined in ar	nov A	
RQ02_0812b	5.2.2				nt application additiona	al response data in
11402_00120	0.2.2				e length coding and If '	
					roactive session is ong	
					additional response ap	
		be formatted accord	ing to ta	able below an	d indicate "suspension	error":
		Lamenth in buston	1		Name	
		Length in bytes	Pocno	anco Scrinting	template tag for indefi	nito longth coding
		1	T		te length coding (value	0
		A	_	diate Action R		3 00)
		2			ator (value '00 00')	
		1			())	
		Where the tag of this				
RQ02_0813	5.2.2	The Immediate Action	on Resp	onse from RO	Q02_0812a and RQ02	
		Immediate Action Re	espons	e TLV which is	s a BER-TLV data obje	ect coded as follow:
		<u> </u>		T		
		Length in I	bytes		Description	Δ
		1			ction Response tag (se	ee annex A)
		1 X		Length=X	ction Response Value	
				Illinediate A	clion Response value	
RQ02_0814	5.2.2	The Immediate Action	on Resi	onse Value fi	om RQ02_0813 is def	ined as follows:
	1	• '01': Suspe	-			
RQ02_0815	5.2.2	In case a Script Chaining TLV indicating "subsequent script" is present in the the following situation shall be considered as chaining errors:			" is present in the list,	
					•	
					pt Chaining TLV indica	ting "first script"
D000 0010	5.0.0	or "subsequent scrip				# to
RQ02_0816	5.2.2				subsequent script	is present in the list,
		the following situation			d as chaining errors: t script - delete chainir	a information upon
		card reset" was prod				ig imormation upon
L	l	Journ 16361 Was PIUL	,,,,,,,,,,	an canto t	u. u 00001011.	

RQ number	Clause			Description	Description		
RQ02_0817a	5.2.2	In case of chaining errors, the additional response application data shall be formatted according to table below, for definite length coding:			nall be formatted		
		Length in bytes		Name			
		1	Response Scrip	ting template tag for definite lengt	th coding		
				onse Scripting template= X+A			
				uted Command TLV objects			
		A;	Script Chaining	Response			
				e tag is defined in annex A.			
RQ02_0817b	5.2.2			onal response application data sh	nall be formatted		
		according to table be	elow, for indefin	ite length coding:			
		Length in bytes		Name			
		1	Response Scr	ipting template tag for indefinite le	ength coding		
		1		definite length coding (value '80')			
		A	Script Chainin				
		2	End of content	t indicator (value '00 00')			
		Where the Script Ch	aining Respons	se tag is defined in annex A.			
RQ02_0818	5.2.2	The Script Chaining Response TLV is a BER-TLV data object and shall be coded as:			all be coded as:		
		Le	ngth in bytes	Description			
			1	Script Chaining Response tag			
			1	Length=X			
			X	Script Chaining Result Value			
		Where the Script Ch	aining Respons	se tag is defined in annex A.			
RQ02_0819	5.2.2	The Script Chaining Result Value is defined as follows:					
		'01': No previous script.					
		'02': Script Chaining not supported by this application.					
		['03': Unable to proce	ess script chaini	ng (e.g. no resources to store cha	nining context).		

RQ number	Clause	Description
RQ02_0901	5.3	If a TAR is configured for multiple data formats, the following automatic application
		data format detection shall apply:
		If b2b1 of the first data byte of the application data are 00, the format of the
		application data shall be the compact remote application data format.
RQ02_0902	5.3	If b2b1 of the first data byte of the application data are not 00, and if a TAR is
		configured for multiple data formats, the following automatic application data format
		detection shall apply: the first data byte of the application data shall indicate the
		format of the data packet.

5.3 Security parameters assigned to applications

Reference: ETSI TS 102 226 [1], clause 6.

RQ number	Clause	Description		
RQ03_0101	6.1	The Receiving Entity shall check the Minimum Security Level, set for the Receiving		
		Application, before processing the security of the Command Packet.		
RQ03_0102	6.1	If the check fails, the Receiving Entity shall reject the messages and a Response		
		Packet with the "Insufficient Security Level" Response Status Code (see ETSI		
		TS 102 225 [2]) shall be sent if required.		
RQ03_0103	6.1	According to UICC Configuration [16], if the Receiving Application is a Security		
		Domain which has no own secure channel key set, then the security will be		
		processed by the closest ascendant Security Domain (= Receiving Entity) that has a		
		suitable secure channel key set.		
RQ03_0104	6.1	A Minimum Security Level as described in clause 8.2.1.3.2.4 in ETSI TS 102 226 [1]		
		shall be assigned to each Remote Management application (RFM/RAM).		
NOTE 1: Deve	NOTE 1: Development of test cases for RQ03_0103 is out of scope for the present document.			
NOTE 2: RQ03_0101 is for information only.				

RQ number	Clause	Description
RQ03_0201	6.2	The access rights granted to an application by its Access Domain shall be
		independent from the access rights granted at the UICC/Terminal interface.
RQ03_0202	6.2	An Access Domain as described in clause 8.2.1.3.2.5 in ETSI TS 102 226 [1] shall
		be assigned to each Remote File Management Application.

5.4 Remote File Management (RFM)

Reference: ETSI TS 102 226 [1], clause 7.

RQ number	Clause	Description
RQ04_0101	7	The concept of embedding APDUs in a command packet and the Additional Response data in a response packet shall be as defined in the previous clauses describing the Compact and expanded Remote Application data format.
RQ04_0102	7	Unless a TAR is used that is configured for automatic application data format detection, the Compact and expanded Remote Application data formats shall be distinguished by different TAR values.
RQ04_0103	7	For the Expanded Remote Application data format, it is possible to chain two or more scripts using Script Chaining TLVs.
RQ04_0104	7	If a Script Chaining TLV indicating "first script" or "subsequent script - subsequent script(s) will follow" is processed successfully, the file context (current directory, current file, current tag pointer, etc.) and the PIN verification status at the end of the script shall be remembered until the next script is processed by the Remote File Management application.
RQ04_0105	7	If the next script received successfully contains a Script Chaining TLV indicating "subsequent script", the remembered file context and PIN verification status shall be restored. Else the default context shall be used.
RQ04_0106	7	If a non-shareable file is selected by the remembered file context, the mechanisms defined in ETSI TS 102 221 [3] limiting the access to non-shareable files shall apply.

RQ number	Clause	Description
RQ04_0201	7.1	The SELECT command shall not include the selection by DF name corresponding to
		P1='04' in the Command Parameters of SELECT (see ETSI TS 102 221 [3]).
RQ04_0202	7.1	The Response Data shall be placed in the Additional Response Data element of the
		Response Packet.
		If P3/Le = '00' in the READ RECORD command, then the UICC shall send back all
		data until the end of the data object from the current BER-TLV structure EF.
RQ04_0203	7.1	The Response Data shall be placed in the Additional Response Data element of the
		Response Packet.
		If P3/Le = '00' in the READ BINARY command, then the UICC shall send back all
		data until the end of the file, according to clause 5.1.
RQ04_0204	7.1	The Response Data shall be placed in the Additional Response Data element of the
		Response Packet.
		If P3/Le = '00' in the RETRIEVE DATA command, then the UICC shall send back all
		data until the end of the data object from the current BER-TLV structure EF.

RQ number	Clause	Description
RQ04_0301	7.2	A UICC Shared File System Remote File Management application shall have access
		only to the MF and all DFs and EFs that are located under the MF (see note 2).
RQ04_0302	7.2	Unless Script Chaining is used, the MF shall be implicitly selected and be the current
		directory at the beginning of a "Command session".
RQ04_0303	7.2	No ADF shall be accessed by the UICC Shared File System Remote File
		Management application.
RQ04_0304	7.2	The following commands shall apply for UICC Shared File System Remote File
		Management:
		Operational command
		SELECT (see below)
		UPDATE BINARY
		UPDATE RECORD
		SEARCH RECORD
		INCREASE
		VERIFY PIN
		CHANGE PIN
		DISABLE PIN
		ENABLE PIN
		UNBLOCK PIN
		DEACTIVATE FILE
		ACTIVATE FILE
		READ BINARY
		READ RECORD
		CREATE FILE
		DELETE FILE
		RESIZE FILE
		SET DATA
		RETRIEVE DATA
		The SELECT command shall not include the selection by DF name corresponding to
		P1='04' in the Command Parameters of SELECT.
RQ04_0305	7.2	The TAR value of the UICC Shared File System Remote File Management
_		application is defined in ETSI TS 101 220 [6].
NOTE 1: RQ04	4_0305 is for	information only.
		sidered to be files located under the MF.

RQ04_0406 7.3 An ADF Remote File Management application shall have access to the DFs and E located under the ADF. RQ04_0407 7.3 Unless Script Chaining is used, the ADF shall be implicitly selected and be the current directory at the beginning of a "Command session". RQ04_0408 7.3 The UICC Shared File System, i.e. the MF and all DFs and EFs that are located under the MF, may also be accessed, depending on the access rights granted to the ADF Remote File Management application. RQ04_0409 7.3 The following commands shall apply for ADF Remote File Management: Operational command SELECT (see below) UPDATE BINARY UPDATE RECORD SEARCH RECORD INCREASE	
RQ04_0407 7.3 Unless Script Chaining is used, the ADF shall be implicitly selected and be the current directory at the beginning of a "Command session". The UICC Shared File System, i.e. the MF and all DFs and EFs that are located under the MF, may also be accessed, depending on the access rights granted to the ADF Remote File Management application. RQ04_0409 7.3 The following commands shall apply for ADF Remote File Management: Operational command SELECT (see below) UPDATE BINARY UPDATE RECORD SEARCH RECORD	ΞFs
current directory at the beginning of a "Command session". RQ04_0408 7.3 The UICC Shared File System, i.e. the MF and all DFs and EFs that are located under the MF, may also be accessed, depending on the access rights granted to the ADF Remote File Management application. RQ04_0409 7.3 The following commands shall apply for ADF Remote File Management: Operational command SELECT (see below) UPDATE BINARY UPDATE RECORD SEARCH RECORD	
RQ04_0408 7.3 The UICC Shared File System, i.e. the MF and all DFs and EFs that are located under the MF, may also be accessed, depending on the access rights granted to the ADF Remote File Management application. RQ04_0409 7.3 The following commands shall apply for ADF Remote File Management: Operational command SELECT (see below) UPDATE BINARY UPDATE RECORD SEARCH RECORD	
under the MF, may also be accessed, depending on the access rights granted to the ADF Remote File Management application. RQ04_0409 7.3 The following commands shall apply for ADF Remote File Management: Operational command SELECT (see below) UPDATE BINARY UPDATE RECORD SEARCH RECORD	
ADF Remote File Management application. RQ04_0409 7.3 The following commands shall apply for ADF Remote File Management: Operational command SELECT (see below) UPDATE BINARY UPDATE RECORD SEARCH RECORD	
RQ04_0409 7.3 The following commands shall apply for ADF Remote File Management: Operational command SELECT (see below) UPDATE BINARY UPDATE RECORD SEARCH RECORD	the
Operational command SELECT (see below) UPDATE BINARY UPDATE RECORD SEARCH RECORD	
SELECT (see below) UPDATE BINARY UPDATE RECORD SEARCH RECORD	
SELECT (see below) UPDATE BINARY UPDATE RECORD SEARCH RECORD	
UPDATE BINARY UPDATE RECORD SEARCH RECORD	
UPDATE RECORD SEARCH RECORD	
SEARCH RECORD	
INCREASE	
VERIFY PIN	
CHANGE PIN	
DISABLE PIN	
ENABLE PIN	
UNBLOCK PIN	
DEACTIVATE FILE	
ACTIVATE FILE	
READ BINARY	
READ RECORD	
CREATE FILE	
DELETE FILE	
RESIZE FILE	
SET DATA	
RETRIEVE DATA	
The SELECT command shall not include the selection by DF name corresponding	a to
P1='04' in the Command Parameters of SELECT.	,
RQ04_0410 7.3 The TAR of an ADF RFM application shall be linked to the AID of the application to	to
which the ADF belongs.	
RQ04_0411 7.3 The TAR value of an ADF Remote File Management application is defined in ETSI	31
TS 101 220 [6].	
NOTE: RQ04_0411 is for information only.	-

RQ number	Clause	Description
RQ04_0501		When using remote APDUs to perform RFM over HTTPS, the header values defined
		in ETSI TS 102 225 [2] apply. The RFM / HTTP communication flow is illustrated in annex B.

5.5 Remote Application Management (RAM)

Reference: ETSI TS 102 226 [1], clause 8.

RQ number	Clause	Description
RQ05_0101	8	Remote Application Management on a UICC card includes the ability to load, install, and
		remove applications.
RQ05_0102	8	The Remote Application Management is under the control of a security domain with card content management capabilities, such as the Issuer Security Domain or any Security Domain with Delegated Management privileges or Authorized Management as described in GlobalPlatform Card Specification [5].
RQ05_0103	8	All GlobalPlatform features and functionality that are described in the present clause, as well as the assignment of GlobalPlatform privileges shall comply with GlobalPlatform Card Specification [5] as detailed in the UICC Configuration [16].
RQ05_0104	8	A RAM Application shall support all features and functionality described in the present clause unless they are specifically described as optional.
RQ05_0105	8	The support of the APIs related to GlobalPlatform Card Specification [5] (Java Card API [25] or Multos API) is optional. If implemented, it shall follow the specification in the UICC Configuration [16], especially concerning the Secure Channel Interface usage.

document.

RQ number	Clause	Description
RQ05_0106	8	Remote Application Management commands shall be executed according to table "Authorized GlobalPlatform Commands per Card Life Cycle State" of GlobalPlatform Card
		Specification [5].
RQ05_0107	8	The TAR value allocated for the Issuer Security Domain are defined in ETSI TS 101 220 [6].
		The concept of embedding APDUs in a command packet and the Additional Response data
		in a response packet shall be as defined in the previous clauses describing the Compact
		and expanded Remote Application data format.
RQ05_0108	8	Unless a TAR is used that is configured for automatic application data format detection, the
		Compact and expanded Remote Application data formats shall be distinguished by different
DO05 0400	8	TAR values.
RQ05_0109	8	The Minimum Security Level of a RAM Application shall require at least integrity using CC or DS. It applies to all data formatted as secured data according to clause 4 of the present
		document and including all commands listed below:
		document and including all commands listed below.
		Operational command
		DELETE
		SET STATUS
		INSTALL
		LOAD
		PUT KEY
		GET STATUS
		GET DATA as case 2 command
		GET DATA as case 4 command
		(for Menu parameters)
		STORE DATA
RQ05_0110	8	A complying card shall support at least the triple DES algorithm in outer CBC mode for cryptographic computations.
NOTE 1: RQ0	5 0102 is no	 //
	_	est cases for RQ05_0103, RQ05_0105 and RQ05_0106 is out of scope for the present
	mont	

RQ number	Clause	Description
RQ05_0201	8.1	Remote Load File loading, Application installation, Load File removal, Application removal, Application locking/unlocking, Application information retrieval shall be compliant to GlobalPlatform Card Specification [5] as detailed in the UICC Configuration [16].
RQ05_0202	8.1	Support of the application personalization described in Global Platform Card Specification [5] is optional.
RQ05_0203	8.1	As a RAM Application is a Receiving Application per clause 4, application selection (SELECT command) and command dispatching as described in GlobalPlatform Card Specification [5] do not apply to Remote Application Management.
NOTE: Development of test cases for RQ05_0201, RQ05_0202 and RQ05_0203 is out of scope for the present document.		

RQ number	Clause	Description
RQ05_3801	8.2	Commands and responses shall be coded according to GlobalPlatform Card Specification [5] as detailed in the UICC Configuration [16] unless otherwise specified in the present document.
RQ05_3802	8.2	Secure messaging shall be based on ETSI TS 102 225 [2].
RQ05_3803	8.2	if additional application provider security as defined in clause 10.2 is applied, the secure messaging as defined in GlobalPlatform Card Specification [5] shall not apply to RAM APDU commands and responses (e.g. MAC shall not be present in the command data field).
RQ05_3804	8.2	if additional application provider security as defined in clause 10.2 is applied, the class byte shall indicate that an APDU command includes no secure messaging.
RQ05_3805	8.2	The logical channel number indicated in the class byte shall be zero.
RQ05_3806	8.2	Command status words placed in the Additional Response Data element of the Response Packet shall be coded according to the GlobalPlatform Card Specification [5] as detailed in the UICC Configuration [16].
NOTE: RQ05_3801, RQ05_3802, RQ05_3805 and RQ05_3806 are implicitly tested in the present document. Further detailed tests are out of the scope of the present document.		

RQ number	Clause	Description
RQ05_0301	8.2.1	The following standardized Application management commands shall be supported:
		Operational command
		DELETE
		SET STATUS
		INSTALL
		LOAD
		PUT KEY
		GET STATUS
		GET DATA as case 2 command
		GET DATA as case 4 command
		(for Menu parameters)
RQ05_0302	8.2.1	The Response Data shall be placed in the Additional Response Data element of the Response Packet
RQ05_0303	8.2.1	Script chaining may be used for confidential application management as specified in clause 10
		or to chain a sequence of STORE DATA commands. It has no effect for other commands.
RQ05_0304	8.2.1	Whenever Script chaining is present for RAM, it shall be processed as defined in the present document.
RQ05_0305	8.2.1	When using the Compact Remote Application data format and if an application session is saved
		beyond a command session as defined below, this session context shall be deleted upon card reset.

RQ number	Clause	Description
RQ05_0401	8.2.1.1	The Removal of Applications, of Executable Load Files, and of Executable Load Files and its
		related Applications shall be supported via DELETE command.
RQ05_0402	8.2.1.1	The warning status word '6200' (Application has been logically deleted) as defined in Open
		Platform Card Specification 2.0.1 [8] may be returned.

RQ number	Clause	Description
RQ05_0501	8.2.1.2	The management of Applications, Issuer Security Domain and Security Domains Life Cycle
		States shall be supported via SET STATUS.

RQ number	Clause	Description
RQ05_0601	8.2.1.3	INSTALL [for load], INSTALL [for install] and INSTALL [for make selectable] commands shall
		be supported.
RQ05_0602	8.2.1.3	INSTALL [for personalization] and Install [for extradition] command described in
		GlobalPlatform Card Specification [5] are optional.
RQ05_0603	8.2.1.3	A UICC supporting confidential application management as specified in clause 10 [1] shall
		support INSTALL [for personalization].
RQ05_0604	8.2.1.3	If INSTALL [for personalization] and Install [for extradition] implemented, both commands shall
		follow the specification in the UICC Configuration [16].
RQ05_0605	8.2.1.3	The support of the combined [for install and make selectable] within the same INSTALL
		command is mandatory.
RQ05_0606	8.2.1.3	When using the Compact Remote Application data format, the context established by
		INSTALL [for load] shall be saved across command sessions until the last LOAD command.
RQ05_0607	8.2.1.3	When using the Compact Remote Application data format, the context established by
		INSTALL [for personalization] (if supported) shall be saved across command sessions until the
		STORE DATA command containing the last block.

RQ number	Clause	Description
RQ05_0701	8.2.1.3.1	Support and presence of the Load File Data Block Hash according to GlobalPlatform Card
		Specification [5] shall be as specified in the UICC Configuration [16].
RQ05_0702	8.2.1.3.1	If present, the Load Parameter Field of the INSTALL [for load] command shall be coded
		according to GlobalPlatform Card Specification [5].
RQ05_0703	8.2.1.3.1	If the System Specific parameters "Non volatile code space limit" (Tag 'C6'), "Volatile data
		space limit" (Tag 'C7') and "Non volatile data space limit" (Tag 'C8') are present, the UICC
		shall be able to handle them.

RQ number	Clause			Description		
RQ05_0801	8.2.1.3.2		f present, the Install Parameter Field of the INSTALL [for install] command shall be coded according to GlobalPlatform Card Specification [5].			
RQ05_0802	8.2.1.3.2			parameters "Volatile data space limit" (Tag 'C7') and "Non v	olatile	
		data space	limit" (Tag	'C8') are present, the UICC shall be able to handle them.		
RQ05_0803	8.2.1.3.2	The applica [for install]		nce shall be registered with the instance AID present in the IN	NSTALL	
RQ05_0804	8.2.1.3.2	In case of J	avaCardT	M applications, the application may invoke the register(bArra	y, bOffset,	
		bLength) or	the regist	er() method.		
RQ05_0805	8.2.1.3.2		In case of JavaCardTM applications, If the register (bArray, bOffset, bLength) is invoked, the AID passed in the parameters shall be the instance AID provided in the install method buffer.			
RQ05_0806	8.2.1.3.2	In case of J	In case of JavaCardTM applications, If the register() method is invoked the instance AID			
		present in the	he INSTAL	L [for install] command and the AID within the Load File, as	specified	
		in GlobalPla	atform Car	d Specification [5], should be the same.		
RQ05_0807	8.2.1.3.2	The "UICC	The "UICC System Specific Parameters" TLV object (Tag 'EA', as defined below) is included			
		in the Instal	in the Install Parameter Field and shall be coded as follows:			
		Presence	Length	Name	Value	
		Optional	1	Tag of UICC System Specific Parameters constructed field	'EA'	
			1 to 3	Length of UICC System Specific Parameters constructed		
				field as specified in GlobalPlatform Card Specification [5]		
				for TLV data objects. Coded as defined in ETSI TS 101		
				220 [6] for a BER-TLV data object		
			0 to n	UICC System Specific Parameters constructed value field		

RQ number	Clause			Description		
RQ05_0901	8.2.1.3.2.1	as defined belo	The "SIM File Access and Toolkit Application Specific Parameters" TLV object (Tag 'CA', as defined below) is included in the "System Specific Parameters" (Tag 'EF') and shall be coded as follow:			
		Presence	Length	Name	Value	
		Optional	1	Tag of SIM file access and toolkit application specific parameters field	'CA'	
			1 to 3	Length of SIM file access and toolkit application specific parameters field. Coded as defined in ETSI TS 101 220 [6] for a BER-TLV data object		
			6 to n	SIM file access and toolkit Application specific Parameters		
RQ05_0902	8.2.1.3.2.1	terminal and U	JICC resour Bearer Ind	oolkit application specific parameters field is used to ces the application instance can use. These resource ependent protocol channels, menu items for the Set rel and the TAR Value(s) field.	es include	

RQ number	Clause		Description			
RQ05_0903	8.2.1.3.2.1		e access and toolkit parameters are mandatory for applications only interface or sim.access.SIMView interface as defined in			
			[12]. The Access Domain is applicable to applications using t SIMView interface as defined in ETSI TS 143 019 [12]:	he		
		Length	Name	Value		
		1	Length of Access Domain field			
		1 to p	Access Domain			
		1	Priority level of the Toolkit application instance			
		1	Maximum number of timers allowed for this application instance			
		1	Maximum text length for a menu entry			
		1	Maximum number of menu entries allowed for this application instance	= m		
		1	Position of the first menu entry	\		
		1	Identifier of the first menu entry ('00' means do not care)			
				= 2 × m bytes		
		1	Position of the last menu entry			
		1	Identifier of the last menu entry ('00' means do not care)	/		
		1	Maximum number of channels for this application instance			
		1	Length of Minimum Security Level field			
		0 to q	Minimum Security Level (MSL)			
		1	Length of TAR Value(s) field			
		3 × y	TAR Value(s) of the Toolkit Application instance			

RQ number	Clause			Description		
RQ05_1001	8.2.1.3.2.2		f the SIM file access and toolkit parameters TLV object (tag 'CA') is present and the UICC			
			ystem Specific Parameters TLV object (tag 'EA') is present, the card shall return the Status			
D005 4000	0.04000		ord '6A80', incorrect parameters in data field, to the INSTALL [for install] command.			
RQ05_1002	8.2.1.3.2.2			ecific Parameters constructed value field of the INSTALL [for I	nstalij	
		command sr	nali be cod	ded as follows:		
		Presence	Length	Name	Value	
		Optional	1	Tag of UICC Toolkit Application specific parameters field	'80'	
		•	1	Length of UICC Toolkit Application specific parameters field		
			N	UICC Toolkit Application specific parameters		
		Optional	1	Tag of UICC Toolkit parameters DAP	'C3'	
			1	Length of UICC Toolkit parameters DAP		
			N UICC Toolkit parameters DAP			
		Optional	1	Tag of UICC Access Application specific parameters field	'81'	
			1	Length of UICC Access Application specific parameters field		
			N	UICC Access Application specific parameters		
		Optional	1	Tag of UICC Administrative Access Application specific parameters field	'82'	
			1	Length of UICC Administrative Access Application specific parameters field		
			N	UICC Administrative Access Application specific		
				parameters		
RQ05_1003	8.2.1.3.2.2			r the same ADF may be present in both the UICC Access Appeld and the UICC Administrative Access Application specific pages.		
RQ05_1004	8.2.1.3.2.2	Access para Application s parameters	specific pa	r the same UICC file system may be present in both the UICC trameters field and the UICC Administrative Access Applicatio	Access n specific	

RQ number	Clause		Description				
RQ05_1101	8.2.1.3.2.2.1		oolkit application specific parameters field is used to specify the				
			irces the application instance can use. These resources include				
			ne Bearer Independent Protocol channels, the services for local bearers, menu items for				
			Menu, the Minimum Security Level and the TAR Value(s) field.				
RQ05_1102	8.2.1.3.2.2.1		e UICC Toolkit Application specific parameters are mandatory for applications using				
			lkit.ToolkitInterface defined in ETSI TS 102 241 [7] and for Apple				
			Extension interface as defined in ETSI TS 102 588 [17] that make	e use of the			
			andler and the ProactiveResponseHandler.				
RQ05_1103	8.2.1.3.2.2.1		toolkit resources will be accessible if the UICC Toolkit Application	on specific			
			are missing.				
RQ05_1104	8.2.1.3.2.2.1	UICC Toolk	it Application specific parameters shall be coded as follows:				
		Length	Name	Value			
		1	Priority level of the Toolkit application instance				
		1	Maximum number of timers allowed for this application				
			instance				
		1	Maximum text length for a menu entry				
		1	Maximum number of menu entries allowed for this application	= m			
			instance				
		1	Position of the first menu entry	\			
		1	Identifier of the first menu entry ('00' means do not care)				
				$ =2 \times m $ bytes			
		1	Position of the last menu entry	li l			
		1	Identifier of the last menu entry ('00' means do not care)	/			
		1	Maximum number of channels for this application instance				
		1	Length of Minimum Security Level field				
		0-q	Minimum Security Level (MSL)				
		1	Length of TAR Value(s) field				
		3 × y	TAR Value(s) of the Toolkit Application instance				
		1	Maximum number of services for this application instance				
			,				
RQ05_1105	8.2.1.3.2.2.1	Any addition	nal parameters shall be ignored by the card.				
	05_1101 is for						

RQ number	Clause		Description		
RQ05_1201	8.2.1.3.2.2.2		The UICC access application specific parameters field is used to specify the access		
		•	n instance is granted access rights to files only a	ccording to these	
		UICC access parame			
RQ05_1202	8.2.1.3.2.2.2		plication specific parameters are applicable to ap		
			defined in ETSI TS 102 241 [7]. These parameter	ers shall be coded	
		as follows:			
		Presence	Name	Length	
			Length of UICC file system AID	1	
			Empty UICC file system AID	0	
			Length of Access Domain for UICC file system	1	
		0	Access Domain for UICC file system	n	
			Length of Access Domain DAP	1	
			Access Domain DAP	0 or n	
			Length of ADF #1 AID	1	
			ADF #1 AID	5 to 16	
		0	Length of Access Domain for ADF #1	1	
			Access Domain for ADF #1	N	
			Length of Access Domain DAP #1	1	
			Access Domain DAP #1	0 or n	
			Length of ADF #n AID	1	
			ADF #n AID	5 to 16	
		0	Length of Access Domain for ADF #n	1	
			Access Domain for ADF #n	n	
			Length of Access Domain DAP #n	1	
			Access Domain DAP #n	0 or n	
NOTE 50	05 4004 : (<u> </u>			
NOTE: RQ	05_1201 is for	information only.			

RQ number	Clause	Description				
RQ05_1301	8.2.1.3.2.2.3	The UICC toolkit parameters DAP is an optional signature. The card policy may require the presence of this DAP.	issuer's security			
RQ05_1302	8.2.1.3.2.2.3	The input data used to compute UICC toolkit parameters DAP is the concatenation of the ollowing data:				
		Description	Length			
		Length of instance AID	1			
		Instance AID	5 to 16			
		Length of UICC Toolkit parameters	1			
		UICC Toolkit parameters	n			
		The key used to compute this DAP is: Key identifier '02' of Key Versic the Issuer Security Domain.	on number '11' in			
RQ05_1303	8.2.1.3.2.2.3	Depending on the key type for DAP, if padding is required by the algo appended by '80' and filled up with zero or more '00'.	orithm, the data is			
RQ05_1304	8.2.1.3.2.2.3	Depending on the key type for DAP, if DES is used, MAC in CBC mo chaining value set to zero shall be used.	de with initial			
RQ05_1305	8.2.1.3.2.2.3	Depending on the key type for DAP, if AES [13] is used, CMAC mode The length of the MAC shall be associated with the key.	e [15] shall be used.			

RQ number	Clause	Description
RQ05_1401		The UICC Administrative access application specific parameters field is used to specify the access rights. The application instance is granted access rights to administrate files only according to these UICC Administrative access parameters.
RQ05_1402		The UICC Administrative access application specific parameters are applicable to applications using the uicc.access.fileadministration.AdminFileView defined in ETSI TS 102 241 [7]. These parameters shall be coded as defined in ETSI TS 102 226 [1], clause 8.2.1.3.2.2.2.

RQ number	Clause	Description
RQ05_1501	8.2.1.3.2.3	If the maximum number of timers required for Toolkit Application Specific Parameters is greater than '08' (maximum numbers of timers specified in ETSI TS 102 223 [4]), the card
		shall return the Status Word '6A80', incorrect parameters in data field, to the INSTALL [for install] command.
RQ05_1502	8.2.1.3.2.3	If the maximum number of channels required for Toolkit Application Specific Parameters is greater than '07' (maximum numbers of channels specified in ETSI TS 102 223 [4]), the card shall return the Status Word '6A80', incorrect parameters in data field, to the INSTALL [for install] command.
RQ05_1503	8.2.1.3.2.3	If the maximum number of services requested for Toolkit Application Specific Parameters is greater than '08' (maximum numbers of services specified in ETSI TS 102 223 [4]), the card shall return the Status Word '6A80', incorrect parameters in data field, to the INSTALL [for install] command.
RQ05_1504	8.2.1.3.2.3	The mechanism to manage the position of the Menu Entries for Toolkit Application Specific Parameters is defined in ETSI TS 102 241 [7].
RQ05_1505	8.2.1.3.2.3	A part of the item identifier for Toolkit Application Specific Parameters shall be under the control of the card system and the other part under the control of the card issuer. Item identifiers are split in two ranges: • [1127] under control of the card issuer. • [128255] under the control of the toolkit framework.
RQ05_1506	8.2.1.3.2.3	If the requested item identifier for Toolkit Application Specific Parameters is already allocated, or in the range [128255], then the card shall reject the INSTALL command.
RQ05_1507	8.2.1.3.2.3	If the requested item identifier for Toolkit Application Specific Parameters is '00', the card shall take the first free value in the range [128255].
NOTE: RQ	05_1505 is fo	r information only.

RQ number	Clause		Description		
RQ05_1601	8.2.1.3.2.4	If the length of the Mi	nimum Sed	curity Level (MSL) field for Toolkit App	lication Specific
		Parameters is zero, n Entity.	o minimun	n security level check shall be perform	ned by the Receiving
RQ05_1602	8.2.1.3.2.4	Parameters is greate	f the length of the Minimum Security Level (MSL) field for Toolkit Application Specific Parameters is greater than zero, the Minimum Security Level (MSL) field shall be coded according to the following table:		
			Length	Name	
			1	MSL Parameter	
			q to 1	MSL Data	
		The MSL Data coding	g and lengt	h is defined for each MSL Parameter.	

RQ number	Clause		Description				
RQ05_1701	8.2.1.3.2.4.1	The possible are:	e values for the MSL Parameter for Toolki	t Application Spe	ecific Parameters		
		Value	Name	Support	MSL Data length		
		'00'	RFU	RFU	N/A		
		'01'	Minimum SPI1	Optional	1		
		'02' to '7F'	RFU	RFU	N/A		
		'80' to 'FE'	Reserved for Proprietary Mechanisms	Optional	N/A		
		'FF'	RFU	RFU	N/A		

RQ number	Clause	Description
RQ05_1801	8.2.1.3.2.4.2	The Minimum Security Level Data (MSLD) for the Minimum SPI1 MSL parameter for
		Toolkit Application Specific Parameters shall use the same coding as the first octet of the
		SPI of a command packet (see clause 5.1.1 of ETSI TS 102 225 [2]).
RQ05_1802	8.2.1.3.2.4.2	The first octet of the SPI field of MSL parameter in the incoming message Command
		Packet (SPI1) shall be checked against the Minimum Security Level Data (MSLD) byte
		by the receiving entity according to the following rules:
		 if SPI1.b2b1 is equal to or greater than MSLD.b2b1;
		 if SPI1.b3 is equal to or greater than MSLD.b3; and
		 if SPI1.b5b4 is equal to or greater than MSLD.b5b4.
		then the Message Security Level is sufficient and the check is successful, otherwise the
		check is failed.

RQ number	Clause	Description				
RQ05_1901	8.2.1.3.2.5	The Access Domain field for	The Access Domain field for Toolkit Application Specific Parameters is formatted as follows:			
		Length	Name			
		1 Access Domain Parameter (ADP)				
		p to 1	Access Domain Data (ADD)			
		The Access Domain Data	(ADD) coding and length is defined for each Access	s Domain		
		Parameter (ADP).				

RQ number	Clause	Description					
RQ05_2001	8.2.1.3.2.5.1		The Access Domain Parameter indicates the mechanism used to control the application instance access to the File System :				
		Value	Name	Support	ADD length		
		'00'	Full access to the File System	Mandatory	0		
		'01'	Reserved (for APDU access mechanism)	-	-		
		'02'	UICC access mechanism	Mandatory	3		
		'03' to '7F'	RFU	RFU	RFU		
		'80' to 'FE'	Proprietary mechanism	-	-		
		'FF'	No access to the File System	Mandatory	0		
RQ05_2002 RQ05_2003	8.2.1.3.2.5.1 8.2.1.3.2.5.1	The access rights granted to an application and defined in the access domain parameter shall be independent from the access rights granted at the UICC/Terminal interface. The access rights granted to an application implies in particular that the status of a secret code (e.g. disabled PIN1, blocked PIN2, etc.) at the UICC/Terminal interface does					
			e access rights granted to an applica				
RQ05_2004	8.2.1.3.2.5.1	If an application with Access Domain Parameter (ADP) 'FF' (i.e. No Access to the File System) tries to access a file the framework shall throw an exception.					
RQ05_2005	8.2.1.3.2.5.1	If an application has Access Domain Parameter (ADP) '00' (i.e. Full Access to the File System), all actions can be performed on a file except the ones with NEVER access condition.					
RQ05_2006	8.2.1.3.2.5.1		If the Access Domain Parameter (ADP) requested is not supported, the card shall return the Status Word '6A80', incorrect parameters in data field, to the INSTALL [for install]				

RQ number	Clause	Description
RQ05_2101	8.2.1.3.2.5.2	The UICC access mechanism shall be coded as specified in clause 8.2.1.3.2.5.2 in ETSI
		TS 102 226 [1].
RQ05_2102	8.2.1.3.2.5.2	The Access Domain Data for UICC access mechanism shall be checked against SE ID
		01 access rules as defined in ETSI TS 102 221 [3].

RQ number	Clause	Description					
RQ05_2201	8.2.1.3.2.5.3	The Access Domain DAP is an optional signature. The security policy of the provider of					
			the application to which the file system belongs may require the presence of this DAP.				
RQ05_2202	8.2.1.3.2.5.3	The input data used to	o compute the Access Domain DA	AP is the con	catenation of the		
		following data:					
			Description	Length			
			Length of instance AID	1			
			Instance AID	5 to 16			
			Length of File System AID	1			
			File System AID	0 or n			
			Length of Access Domain	1			
			Access Domain	n			
RQ05_2203	8.2.1.3.2.5.3	In case of UICC shared File system, the Length of File System AID is 0 and the File					
		System AID is not present in the Access Domain DAP.					
RQ05_2204	8.2.1.3.2.5.3	The key used to compute the Access Domain DAP is: Key identifier '02' of Key Version					
		number '11' in the Security Domain associated to the application to which the File					
			ase of UICC shared file system, th				
		may be the Issuer Security Domain or another Security Domain, depending on the card					
		issuer's security policy					
RQ05_2205	8.2.1.3.2.5.3	Depending on the key type for the Access Domain DAP, if padding is required by the					
		algorithm, the data is appended by '80' and filled up with zero or more '00'.					
RQ05_2206	8.2.1.3.2.5.3	Depending on the key type for the Access Domain DAP, if DES is used, MAC in CBC					
			e set to zero shall be used.				
RQ05_2207	8.2.1.3.2.5.3		type for the Access Domain DAP				
		mode [15] shall be us	ed. The length of the MAC shall be	e associated	I with the key.		

RQ number	Clause	Description
RQ05_2301	8.2.1.3.2.6	The Priority level of the toolkit application specifies the order of activation of an application compared to the other application registered to, the same event.
RQ05_2302	8.2.1.3.2.6	If two or more applications are registered to the same event and have the same priority level, the applications are activated according to their installation date (i.e. the most recent application is activated first).
RQ05_2303	8.2.1.3.2.6	The following values are defined for priority level of the toolkit application: • '00': RFU. • '01': Highest priority level. • • 'FF': Lowest priority level.

RQ number	Clause		Description				
RQ05_2401	8.2.1.3.2.7	The TAR is defined and c	The TAR is defined and coded according to ETSI TS 101 220 [6].				
RQ05_2402	8.2.1.3.2.7	It is possible to define sev	veral TAR Values at the installation of a	a Toolkit Application.			
RQ05_2403	8.2.1.3.2.7	The TAR Value(s) field sh	The TAR Value(s) field shall be coded according to the following table:				
		Bytes	Description	Length			
		1 to 3	TAR Value 1	3			
		4 to 6	TAR Value 2	3			
		$3 \times y$ -2 to $3 \times y$	TAR Value y	3			
DO05 2404	0.04.0.0.7	If the longth of TAD Volum	(a) is more than TAD may be taken out	of the AID if any			
RQ05_2404	8.2.1.3.2.7		e(s) is zero, the TAR may be taken out				
RQ05_2405	8.2.1.3.2.7	If the length of the TAR Value(s) is greater than zero then the application instance shall be installed with the TAR Value(s) field defined above and the TAR indicated in the AID if any shall be ignored.					
RQ05_2406	8.2.1.3.2.7	length of TAR Value(s) fie	dy assigned on the card for a Toolkit A eld is incorrect, the card shall return the o the INSTALL [for install] command.				

RQ number	Clause				Description		
RQ05_2501	8.2.1.3.2.8		An application intended to operate in contactless card emulation mode as defined in ETSI TS 102 622 [23] shall be installed as specified in GlobalPlatform Amendment C [22].				
RQ05_2502	8.2.1.3.2.8	TS 102	An application intended to operate in contactless reader mode as defined in ETSI FS 102 622 [23] shall be installed with parameters given below in clauses 8.2.1.3.2.8.1 and 3.2.1.3.2.8.2.				
RQ05_2503	8.2.1.3.2.8		f present, the "Additional Contactless Parameters" TLV object (tag 'B0') shall be included in he "System Specific Parameters" (tag 'EF').				
RQ05_2504	8.2.1.3.2.8	The val	The value part of "Additional Contactless Parameters" shall be coded as follows:				
			Tag	Length	Value	Presence	
			'86'	1	Reader mode protocol data Type A	Optional	
			'87'	N+2	Reader mode protocol data Type B	Optional	
RQ05_2505	8.2.1.3.2.8	The presence of the TLVs "Reader mode protocol data Type" indicates the RF technology/technologies that will be active once the Application Availability State of the application as defined in GlobalPlatform Amendment C [22] changes to ACTIVATED.					
RQ05_2506	8.2.1.3.2.8	GlobalF	To present a reader mode application to the user, user interaction parameters as specified in GlobalPlatform Amendment C [22] shall be included in the installation parameters. Applicable				
NOTE DO	parameters for reader mode applications are Application Visibility and Application Family.						
NOTE: RQ05_2505 is for information only.							

RQ number	Clause		Description				
RQ05_2601	8.2.1.3.2.8.1	The value part of the Reader mode protocol data Type A has the following coding:					
		Parameter Value Length					
		DATARATE_MAX Maximum data rate supported as defined in ETSI 1 TS 102 622 [23]					
			[10 100 100 [00]				

RQ number	Clause	Description			
RQ05_2701	8.2.1.3.2.8.2	The value part of the Reader mode protocol data Type B has the following coding:			
		Parameter	Value	Length	
		AFI	Application family identifier as defined	1	
			in ETSI TS 102 622 [23]		
		HIGHER_LAYER_DATA_LENGTH	Length of HIGHER_LAYER_DATA	1	
		HIGHER_LAYER_DATA	Higher layer data as defined in ETSI TS 102 622 [23]	N	

RQ number	Clause	Description
RQ05_2801	8.2.1.4	A card supporting DAP verification shall support at least DES scheme for Load File Data
		Block Signature computation according to GlobalPlatform Card Specification [5].
RQ05_2802	8.2.1.4	When using the Compact Remote Application data format, the context established by
		INSTALL [for load] shall be saved across command sessions for the whole sequence until the
		last LOAD command.

RQ number	Clause	Description
RQ05_2901	8.2.1.5	Key version number and key identifiers of KIc, KID and DEK shall be defined according to
		ETSI TS 102 225 [2].
		The key used for ciphering the key values (e.g. KIc, KID or DEK) of the PUT KEY
		command is the key with identifier 3 (i.e. DEK). It is a static key.
RQ05_2902	8.2.1.5	If a DES key is used to cipher a key value of the PUT KEY command, the ciphering mode
		shall be ECB as defined in NIST SP 800-38A [7].
RQ05_2903	8.2.1.5	When replacing or adding key(s) within the same key set, or when updating the key version
		number of a key set, the encrypting key to be used is the DEK of the same key version
		number as the changed key(s).

RQ number	Clause	Description
RQ05_2904		When creating keys or key set(s) or when replacing keys that do not belong to a keyset, the encrypting key to be used is the DEK of the same key version number as KIc and KID in the Command Packet containing the PUT KEY command.
RQ05_2905	8.2.1.5	The key version number of KIc and KID used to secure the Response Packet shall be the same as the key version number indicated in the Command Packet.
RQ05_2906	8.2.1.5	The transport security keys (i.e. KIc/KID) used to secure the Response Packet shall be the same as the ones of the Command Packet containing the PUT KEY command.

RQ number	Clause		Descrip	tion		
RQ05_3101	8.2.1.5.1	If the command PUT KEY as define	d in [5] is use	d with an AES key as encr	yption key (DEK),	
		the remote entity shall cipher key va	the remote entity shall cipher key values of AES keys only with an AES key of the same or			
		greater length, where AES is the algorithm defined in [13].				
RQ05_3102	8.2.1.5.1	If the command PUT KEY as defined in [5] is used with an AES key as encryption key (DEK),				
		the coding of the key type for AES k	eys shall be '	88'.		
RQ05_3103	8.2.1.5.1		If the command PUT KEY as defined in [5] is used with an AES key as encryption key (DEK),			
		the definitions of the command PUT	KEY as defir	ned in [5] shall be extended	d as in	
		RQ05_3103 to RQ05_3109.				
RQ05_3104	8.2.1.5.1	The field "length of the key or key co			et to the length of	
		the "key data value" defined in RQ0				
RQ05_3105	8.2.1.5.1	The "key data value" defined in [5] s	shall be consti	ructed as follows:		
		Description	Length	Value	Presence	
		Length of the key in bytes	1	16, 24 or 32 for AES 16 or 24 for triple DES	Mandatory	
		Ciphered key	16 or 32	·	Mandatory	
		Length of the MAC in bytes	1	4 or 8	Conditional	
RQ05_3106	8.2.1.5.1	The field "length of the key in bytes" "ciphered key" (without padding).				
RQ05_3107	8.2.1.5.1	The field "length of the MAC" shall be present if "ciphered key" contains an AES key with key				
		identifier '02' and key version '01' to '0F' or '11' (see clause "Coding of the KID for				
		Cryptographic Checksum" in ETSI T				
RQ05_3108	8.2.1.5.1	Key ciphering in case of PUT KEY for	or AES shall ı	use CBC mode as defined	in [14] with initial	
		chaining value set to zero.				
RQ05_3109	8.2.1.5.1	Keys that do not fill whole blocks of the AES ciphering scheme (e.g. AES with a key length of 192 bits or triple DES using three different keys) shall be padded to the next block boundary. Padding octets may have any value.				

RQ number	Clause				Description	
RQ05_3201	8.2.1.6	Specification [5	In addition to the mandatory values of the P1 parameter defined in GlobalPlatform Card Specification [5], combinations of the P1 parameter, i.e. setting more than one bit of b5 to b8, may be supported for command GET STATUS.			
RQ05_3202	8.2.1.6		The LOGICALLY_DELETED Life Cycle State may be returned as defined in Open Platform Card Specification 2.0.1 [8].			
RQ05_3203	8.2.1.6	If bit 2 of the P2 parameter in GET STATUS is set, the returned GlobalPlatform Registry Data TLV shall include an SCP Registry Data TLV (see table below for coding) which includes a Menu Parameters TLV for Issuer Security Domain, Security Domains and Applications:				
		Т	TAG	Length	Value	
		Ţ	'EA'	Variable	SCP Registry Data	
			'80'	Variable	Menu parameters (see clause 8.2.1.6.1)	
RQ05_3204	8.2.1.6	STATUS [get fi	When using the Compact Remote Application data format, the context established by GET STATUS [get first or all occurrence(s)] shall be saved across command sessions as long as more output data related to the initial GET STATUS command is available on the UICC.			

RQ number	Clause	Description		
RQ05_3301	8.2.1.6.1	The format of Menu parameters of SCP Registry Dat	a shall be as follow:	
		Description	Length	
		First menu entry position	1	
		First menu entry identifier	1	
		First menu entry state	1	
		Last menu entry position	1	
		Last menu entry identifier	1	
		Last menu entry state	1	
RQ05_3302	8.2.1.6.1	The menu entry identifiers and positions of SCP Reg the Menu Entries list defined in ETSI TS 102 241 [7], menu entry state as well as regardless of the Applica (e.g. Selectable/Locked, etc.).	and shall be returned re	
RQ05_3303	8.2.1.6.1	The menu entry state of SCP Registry Data is define '00': menu entry is disabled. '01': menu entry is enabled. other values: RFU.	d as follows:	

RQ number	Clause	Description
RQ05_3401	8.2.1.7	For command GET DATA, the value '80' for the CLA byte shall be supported. The value '00'
		for the CLA byte is optional.
RQ05_3402	8.2.1.7	The Issuer Security Domain shall support at least the following data object tags in GET DATA:
		Tag '66': Card Data.
		Tag 'E0': Key Information Template.
RQ05_3403	8.2.1.7	If a UICC contains an Application Provider Security Domain with Delegated Management
		privilege, the tag values '42' and '45' shall be supported by the ISD as specified in the UICC
		Configuration for GET DATA [16].
RQ05_3404	8.2.1.7	An Application Provider Security Domain shall support at least the data object tags: Tag 'E0':
		Key Information Template in GET DATA.
RQ05_3405	8.2.1.7	The command Get Data is extended to retrieve specific card information with tag values in P1
		and P2. The following values have been defined:
		 'FF 1F': Reserved for ETSI TS 123 048 [10].
		 'FF 20': Reserved for ETSI TS 123 048 [10].
		 'FF 21': Extended Card Resources Tag, this retrieves information on the card
		resources used and available.
		 'FF 22' to 'FF 3F': reserved for allocation in the present document.

RQ number	Clause	Description				
RQ05_3501	8.2.1.7.2	The Extended Card resources information data object shall be supported by the ISD.				
RQ05_3502	8.2.1.7.2	After the successful execution of the command, the GET DATA response data field shall be coded as defined in GlobalPlatform [5].				
RQ05_3503	8.2.1.7.2	The value of the TLV coded data object referred to in reference control parameters P1 of the GET DATA command message is:			eters P1 and P2	
			Length	Description	Value	
			1	Number of installed application tag	'81'	
			1	Number of installed application length	Х	
			Х	Number of installed application		
			1	Free non volatile memory tag	'82'	
			1	Free non volatile memory length	Υ	
			Υ	Free non volatile memory		
			1	Free volatile memory tag	'83'	
			1	Free volatile memory length	Z	
			Z	Free volatile memory		
				•		
RQ05_3504	8.2.1.7.2	The free memory indicated in GET DATA shall be at least available for applications to be loaded into the ISD.				

RQ05_36018.2.1.8A UICC supporting confidential application management as specified in clause 10 shall support the STORE DATA command as specified in the UICC Configuration [16].RQ05_36028.2.1.8Support of the STORE DATA command described in GlobalPlatform Card Specification optional, but if the Third Party Security Policy requires management of Executable Load access constraints, it shall be supported as specified in the following REQ_xx - REQ_YYMED [10]RQ05_36038.2.1.8When using the Compact Remote Application data format, the context established by INSTALL [for personalization] (if supported) shall be saved across command sessions using the STORE DATA command containing the last block.RQ05_36048.2.1.8The STORE DATA Command is sent to a Security Domain to specify access rights restrictions to its Executable Load Files for a specified Third Party Security Domain.RQ05_36058.2.1.8If the Forbidden Executable Load File List is present in the STORE DATA command, ea Executable Load File specified in the list shall be considered as Forbidden for the indicator Third Party Security Domain. Any other Executable Load File not present in the list is all	on [5] is ad Files YY. suntil
RQ05_3602 8.2.1.8 Support of the STORE DATA command described in GlobalPlatform Card Specification optional, but if the Third Party Security Policy requires management of Executable Load access constraints, it shall be supported as specified in the following REQ_xx - REQ_YY When using the Compact Remote Application data format, the context established by INSTALL [for personalization] (if supported) shall be saved across command sessions using the STORE DATA command containing the last block. RQ05_3604 8.2.1.8 The STORE DATA Command is sent to a Security Domain to specify access rights restrictions to its Executable Load Files for a specified Third Party Security Domain. RQ05_3605 8.2.1.8 If the Forbidden Executable Load File List is present in the STORE DATA command, ea Executable Load File specified in the list shall be considered as Forbidden for the indicator Third Party Security Domain. Any other Executable Load File not present in the list is all	ad Files YY. s until each cated allowed
optional, but if the Third Party Security Policy requires management of Executable Load access constraints, it shall be supported as specified in the following REQ_xx - REQ_YY RQ05_3603 8.2.1.8 When using the Compact Remote Application data format, the context established by INSTALL [for personalization] (if supported) shall be saved across command sessions using the STORE DATA command containing the last block. RQ05_3604 8.2.1.8 The STORE DATA Command is sent to a Security Domain to specify access rights restrictions to its Executable Load Files for a specified Third Party Security Domain. RQ05_3605 8.2.1.8 If the Forbidden Executable Load File List is present in the STORE DATA command, ea Executable Load File specified in the list shall be considered as Forbidden for the indicat Third Party Security Domain. Any other Executable Load File not present in the list is all	ad Files YY. s until each cated allowed
RQ05_3603 8.2.1.8 When using the Compact Remote Application data format, the context established by INSTALL [for personalization] (if supported) shall be saved across command sessions upon the STORE DATA command containing the last block. RQ05_3604 8.2.1.8 The STORE DATA Command is sent to a Security Domain to specify access rights restrictions to its Executable Load Files for a specified Third Party Security Domain. RQ05_3605 8.2.1.8 If the Forbidden Executable Load File List is present in the STORE DATA command, ear Executable Load File specified in the list shall be considered as Forbidden for the indicator Third Party Security Domain. Any other Executable Load File not present in the list is all	YY. s until each cated allowed
RQ05_3603 8.2.1.8 When using the Compact Remote Application data format, the context established by INSTALL [for personalization] (if supported) shall be saved across command sessions upon the STORE DATA command containing the last block. RQ05_3604 8.2.1.8 The STORE DATA Command is sent to a Security Domain to specify access rights restrictions to its Executable Load Files for a specified Third Party Security Domain. RQ05_3605 8.2.1.8 If the Forbidden Executable Load File List is present in the STORE DATA command, ear Executable Load File specified in the list shall be considered as Forbidden for the indicator Third Party Security Domain. Any other Executable Load File not present in the list is all	each cated allowed
INSTALL [for personalization] (if supported) shall be saved across command sessions upon the STORE DATA command containing the last block. RQ05_3604 8.2.1.8 The STORE DATA Command is sent to a Security Domain to specify access rights restrictions to its Executable Load Files for a specified Third Party Security Domain. RQ05_3605 8.2.1.8 If the Forbidden Executable Load File List is present in the STORE DATA command, ear Executable Load File specified in the list shall be considered as Forbidden for the indicator Third Party Security Domain. Any other Executable Load File not present in the list is all	each cated allowed
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RQ05_3604 8.2.1.8 The STORE DATA Command is sent to a Security Domain to specify access rights restrictions to its Executable Load Files for a specified Third Party Security Domain. RQ05_3605 8.2.1.8 If the Forbidden Executable Load File List is present in the STORE DATA command, ea Executable Load File specified in the list shall be considered as Forbidden for the indica Third Party Security Domain. Any other Executable Load File not present in the list is all	cated allowed
restrictions to its Executable Load Files for a specified Third Party Security Domain. RQ05_3605 8.2.1.8 If the Forbidden Executable Load File List is present in the STORE DATA command, ea Executable Load File specified in the list shall be considered as Forbidden for the indica Third Party Security Domain. Any other Executable Load File not present in the list is all	cated allowed
RQ05_3605 8.2.1.8 If the Forbidden Executable Load File List is present in the STORE DATA command, ea Executable Load File specified in the list shall be considered as Forbidden for the indica Third Party Security Domain. Any other Executable Load File not present in the list is all	cated allowed
Executable Load File specified in the list shall be considered as Forbidden for the indica Third Party Security Domain. Any other Executable Load File not present in the list is all	cated allowed
Third Party Security Domain. Any other Executable Load File not present in the list is all	allowed
for the specified Third Party Security Domain.	hall fail
RQ05_3606 8.2.1.8 Any subsequent loading of Load Files performed by the Third Party Security Domain sha	
if the Load File references one or more Forbidden Executable Load Files. Access rights	
Executable Load Files already present on card are not affected by the command.	
RQ05_3607 8.2.1.8 If a STORE DATA Command is resent to a Security Domain, specifying a Third Party Se	Security
Domain for which a Forbidden Executable Load File List has already been defined, the r	
Forbidden Executable Load File List replaces the previous list for this Third Party Securi	
Domain. If the new Forbidden Executable Load File List is empty the access restrictions	
this Third Party Security Domain are removed from the addressed Security Domain.	
RQ05_3608 8.2.1.8 The UICC shall prevent an Executable Load File from being set as Forbidden for its	
associated Security Domain.	
RQ05_3609 8.2.1.8 The STORE DATA command to load Forbidden Load File List shall support the chaining	
multiple STORE DATA commands to transfer large amounts of data. Parameter P1 of the	
command shall indicate non encrypted data and BER-TLV format of the command data	a field.
RQ05_3610 8.2.1.8 TAG 'BE' is used to specify a Forbidden Load File List in STORE DATA; the Third Party	
Security Domain AID TLV object and the Forbidden Load Files AID TLV objects are included to the State Park of Security Domain AID TLV objects are included to the State Park of Security Domain AID TLV objects are included to the State Park of Security Domain AID TLV objects are included to the State Park of Security Domain AID TLV objects are included to the State Park of Security Domain AID TLV objects are included to the State Park of Security Domain AID TLV objects are included to the State Park of Security Domain AID TLV objects are included to the Security Domain AID TLV objects	
in the Store Data Command Message to define the list of Forbidden Load Files for the T	Inira
Party Security Domain.	
Presence Length Name Valu	alue
Mandatory 1 Tag of Forbidden Executable Load Files AIDs 'BE'	
Internation	-
Mandatory 1 or 2 Length of Forbidden Executable Load Files AIDs	
	ļ
Mandatory Third Party Security Domain AID TLV	
Optional Forbidden Executable Load File #1 AID TLV	
Optional Forbidden Executable Load File #2 AID TLV	
Optional Forbidden Load File #N AID TLV	
RQ05_3611 8.2.1.8 The Third Party Security Domain AID TLV and the Forbidden Load File AID TLVs are co	
as BER-TLV as defined in ETSI TS 101 220 [6] using tag '4F'.	coded

RQ number	Clause	Description
RQ05_3701	8.3	When using remote APDUs to perform RAM over HTTPS, the header values defined in
		Amendment B of the Global Platform Card Specification v 2.2 [19] apply.

5.6 Additional command for push

Reference: ETSI TS 102 226 [1], clause 9.

RQ number	Clause	Description	
RQ06_0101		The PUSH command enables an application to open a BIP channel, to establish a CAT_TP link, to open a TCP connection and/or to send an identification packet on TCP upon a remote entity request.	
NOTE: RQ06 0101 is a definition.			

RQ number	Clause	Description
RQ06_0201	9.1.1	The PUSH command shall be considered completed once the terminal response to the
		OPEN CHANNEL proactive command has been received by the application.
RQ06_0301	9.1.2	The PUSH command shall be considered completed once the link reaches the OPEN
		state in CAT_TP or the link establishment is terminated due to an error condition.

RQ number	Clause	Description
RQ06_0401	9.1.3	It is mandatory for applications that process PUSH commands to support additional
		response data management. The additional response data shall be coded as defined in
		clause 9.2 in ETSI TS 102 226 [1].

RQ number	Clause	Description	
RQ06_0501		The request for a TCP connection allows a remote entity to ask an application on the UICC to establish a TCP connection as defined in ETSI TS 102 483 [20].	
NOTE: RQ06_0501 is a definition.			

RQ number	Clause	Description
RQ06_0601	9.1.5	The request for an identification packet allows a remote entity to ask an application on the
		UICC to send a data packet containing identification information on a TCP connection.

RQ number	Clause			Description	
RQ06_0701	9.2	in addition to tapplications s	Each command is coded as an APDU. The support of PUSH command shall be supported in addition to the command tables defined in clauses 7 and 8 of ETSI TS 102 226 [1] for applications supporting BIP and/or CAT_TP.		
RQ06_0702	9.2	The PUSH command shall be coded as follows:			
			Code	Value	
			CLA	'80'	
			INS	'EC'	
			P1	'01'	
				'80' reserved for application specific usage	
			P2	'01': Request for BIP channel opening	
				'02': Request for CAT_TP link establishment	
				'03': Request for TCP connection	
				'04': Request for Identification Packet	
				(see note)	
			Lc	Length of subsequent data field	
			Data	Described below	
			NOTE: These values only apply for P1 = '01'.		
			•		

RQ number	Clause	Description
RQ06_0801	9.2.1	For Command data BIP channel opening; any COMPREHENSION-TLV data objects as defined for OPEN CHANNEL in ETSI TS 102 223 [4] can be present in the data field of the PUSH command. In addition, the application may define default values for one or more of these data objects.
RQ06_0802	9.2.1	The application shall use the data objects provided by both means to construct the OPEN CHANNEL command, whereby the objects provided in the PUSH command take precedence.
RQ06_0803	9.2.1	For OPEN CHANNEL, related to packet data service bearer, in ETSI TS 102 223 [4] the "Other address (local address)" parameter shall not be included in the command.
RQ06_0804	9.2.1	For OPEN CHANNEL, related to packet data service bearer, in ETSI TS 102 223 [4] the "Login" parameter and "Password" parameter shall be both present or absent in the command.
RQ06_0805	9.2.1	If the rules in RQ06_0803 and RQ06_0804 are not satisfied the Push requesting BIP open channel is rejected with status word set to '6A 80'.
RQ06_0806	9.2.1	If the OPEN CHANNEL command was successful (general result < '10'), the status word of the PUSH command shall be set to '90 00'.

RQ number	Clause	Description
RQ06_0807		If the OPEN CHANNEL command fails (general result ≥ '10'), the status word of the PUSH
		command shall be set to '6F 00' and the Result TLV of the TERMINAL RESPONSE shall
		be used as response data in the additional response data.

RQ number	Clause		Description	
RQ06_0901	9.2.2	Data of Commands for CAT_TP link establishment shall have the following format:		
		Description	Format from ETSI TS 102 223 [4]	M/O/C
		CAT_TP Destination Port	UICC/terminal interface transport level	M
		Max SDU size	Buffer size	0
		Identification data	Channel data	0
RQ06_0902	9.2.2		rt the transport protocol type is insignificant and not an allocable port number shall be used.	I shall be set to
RQ06_0903	9.2.2	If the Max SDU size data object is present in the command data field of the PUSH command and is non null data object, and if the size is available on the UICC, then the UICC shall use the requested size.		
RQ06_0904	9.2.2	If the Max SDU size data object is not present in the command data field of the PUSH command or is null data object, or if the UICC is not able to provide the requested size, then the UICC shall use another appropriate value.		
RQ06_0905	9.2.2	The identification data object present in the command data field of the PUSH command shall be used as identification data in the SYN PDU sent from the UICC.		
RQ06_0906	9.2.2	If the identification data object present in the command data field of the PUSH command is of zero length, the length of the identification data in the SYN PDU shall also be zero.		
RQ06_0907	9.2.2	If identification data is not present in the command data field of the PUSH command, the ICCID shall be used as identification data in the SYN PDU.		
RQ06_0908	9.2.2	The SYN/ACK PDU sent from the remote entity shall have a null identification data field.		
RQ06_0909	9.2.2	If the link reaches the OPEN state in CAT_TP, the status word of the PUSH command shall be set to '90 00'.		
RQ06_0910	9.2.2	If the CAT_TP OPEN state is not reached, the PUSH command shall be considered as failed and the status word of the PUSH command shall be set to '6F 00'.		
RQ06_0911	9.2.2	The response data in the ad coded as follows: • '01': SYN sent faile • '02': SYN/ACK not • '03': ACK sent faile	received.	hment shall be

RQ number	Clause	Description		
RQ06_1001	9.2.3	By TCP connection opening the I application identified by its TAR a		mand shall be sent to the Multiplexing a ETSI TS 101 220 [6].
RQ06_1002	9.2.3	The data field of the PUSH comn TLV data objects:	nand shall c	consist of the following COMPREHENSION-
		Data Object from ETSI TS 102 223 [4]	M/O/C	Comment
		Bearer description	М	
		UICC/terminal interface transport level	М	Transport protocol type shall be set to "TCP, UICC in client mode, remote connection"
		Data destination address	М	
		Network Access Name	0	
		Text String (User login)	0	
		Text String (User password)	С	"Text String (User login)" and "Text String (User password)" shall both be present or both be absent
RQ06_1003	9.2.3	In case of errors in the command word set to '6A 80'.	data, the P	PUSH command shall be rejected with status
RQ06_1004	9.2.3	If the TCP connection opening washall be set to '90 00'.	as successf	ful, the status word of the PUSH command

RQ number	Clause	Description
RQ06_1005	9.2.3	If the TCP connection opening failed, the status word of the PUSH command shall be set
		to '6F 00'.

RQ number	Clause		Description	
RQ06_1101	9.2.4	Sending of Identification Packet, the data field of the PUSH command may consist of the following COMPREHENSION-TLV data objects:		
		Description	Format from ETSI TS 102 223 [4]	M/O/C
		Identification data	Channel data	0
RQ06_1102	9.2.4		sent in the command data field of the PUS ta in the identification packet sent from the	
RQ06_1103	9.2.4	If the identification data object present in the command data field of the PUSH command is of zero length, the length of the identification data in the identification packet shall also be zero.		
RQ06_1104	9.2.4		t in the command data field of the PUSH of tion data string in the identification packet.	
RQ06_1105	9.2.4	If the identification packet was se shall be set to '90 00'.	nt successfully, the status word of the PUS	SH command
RQ06_1106	9.2.4	If sending of the identification page be set to '6F 00'.	cket failed, the status word of the PUSH co	ommand shall

RQ number	Clause	Description
RQ06_1201	9.3	The BIP channel shall be closed using the CLOSE CHANNEL proactive command
		specified in ETSI TS 102 223 [4] once the only or last link using the channel has been closed.

5.7 Confidential application management

Reference: ETSI TS 102 226 [1], clause 10.

RQ number	Clause	Description
RQ07_0201		If confidential loading of applications is supported, it shall be implemented as specified in the UICC Configuration [16] for the LOAD command using tag 'D4' for encrypted load files, for the key used for deciphering the load file, and for the Ciphered Load File Data Block privilege.

RQ number	Clause	Description
RQ07_0301	10.2	If an application provider wants to communicate confidentially with his security domain or an application in this security domain, and his security domain has no OTA capability, encapsulation of secured APDUs in secured packets shall be implemented as specified in RQ07_0302 to RQ07_0308.
RQ07_0302	10.2	The command string shall use the Expanded Remote Application data format.
RQ07_0303	10.2	The command string shall be secured using SCP02 with implementation option "i" = '55' according to GlobalPlatform Card Specification [5], i.e. the APDUs to be protected shall be included in a GlobalPlatform secure channel session starting with INITIALIZE UPDATE and EXTERNAL AUTHENTICATE, using the GlobalPlatform secure channel keys of a security domain that has no OTA capabilities.
RQ07_0304	10.2	If a script does not contain chaining information, the SCP02 secure channel session shall be terminated at the end of the command string.
RQ07_0305	10.2	If a script contains the chaining information "first script" or "subsequent script(s) will follow", the SCP02 secure channel session shall continue with the next script until the last script, unless one of the following conditions, which shall terminate the secure channel session, applies: • a new first script or a script without chaining information is received but no last script of the previous secure channel session has been received; • card reset.

RQ number	Clause	Description
RQ07_0306	10.2	The TAR of the command string shall represent the security domain that processes the SCP02 security or an application associated to this security domain. In the latter case, the GlobalPlatform API for the secure channel services, which is specified in Java Card API and Export File for Card Specification v2.2.1 (org.globalplatform) or Java Card, shall be available for the application.
RQ07_0307	10.2	The security domain that processes the SCP02 security shall be part of a hierarchy of security domains, where at least one ancestor has OTA capabilities.
RQ07_0308	10.2	The command string shall be contained in a secure packet that is unwrapped by the closest ascendant security domain with OTA capabilities as specified in UICC Configuration [16].
RQ07_0309	10.2	The support of the API related to Card Specification Version 2.2, Amendment A [18] is optional.
NOTE: Dev	elopment of test	cases for RQ07_0309 is out of scope for the present document.

RQ number	Clause	Description
RQ07_0401	10.3	If confidential setup of security domains is supported, it shall be implemented as:
		Scenario #2.B (Push Model) as specified in the UICC Configuration [16] shall be
		supported.
RQ07_0402	10.3	If confidential setup of security domains is supported, it shall be implemented as:
		Scenario #1 (Pull Model) using the public key scheme as specified in the UICC
		Configuration [16] may be supported.
RQ07_0403	10.3	If confidential setup of security domains is supported, it shall be implemented as:
		Scenario #3 using ECKA-EG as specified in scenario #3 in Amendment E [24] may be
		supported.

RQ number	Clause	Description
RQ07_0501		The mechanism specified in the UICC Configuration [16] to personalize their associated applications, using INSTALL [for personalization] and STORE DATA, shall be supported by all security domains.

6 Test Cases

6.1 Overview of remote management

Test cases verifying the requirements from this clause are defined under clauses 6.2.1, 6.4.1 and 6.5.3 of the present document.

6.2 Remote APDU format

6.2.1 Compact Remote Application data format

Test cases verifying the requirements from this clause are defined under clause 6.4.1 of the present document.

6.2.2 Expanded Remote Application data format

6.2.2.1 Test case 1: A command session with C-APDU TLV Structure with definite length coding

6.2.2.1.1 Initial Conditions

None.

6.2.2.1.2 Test Procedure

Step	Description	Expected Result	RQ
1	Send Command with Secured Data	Secured Response Data is returned:	RQ01_0001,
	coded as: [Expanded Remote command structure]	'AB 07	RQ01_0002,
	to the UICC Shared File System Remote File	80 01 01	RQ01_0003,
	Management application, which contains:	23 02 90 00'	RQ01_0005,
	- SELECT: DFTEST	20 02 00 00	11.000,
	TLV Structure: C-APDU TLV		RQ02_0301
	Definite length coding		RQ02_0302
			RQ02_0303,
			,
			RQ02_0401,
			RQ02_0801,
			RQ02_0801, RQ02_0801a,
			RQ02_0803,
			RQ02_0805,
			RQ02_0806,
			RQ02_0807,
			, _ ,
			RQ04_0101,
			RQ04_0102
2	Send Command with Secured Data	Secured Response Data is returned:	RQ01_0001,
	coded as: [Expanded Remote command structure]	'AB 7F	RQ01_0002,
	to the UICC Shared File System Remote File	80 01 03	RQ01_0003,
	Management application, which contains:	23 LEN [Data 90 00]' where the	RQ01_0005
	- SELECT: DF _{TEST}	Data should be the content of EF _{TARU}	
	- SELECT: EFTARU		RQ02_0301,
	- READ BINARY coded with Le='00'		RQ02_0302,
	TLV Structure: C-APDU TLV		RQ02_0303,
	Definite length coding		
			RQ02_0401,
			RQ02_0402,
			RQ02_0801,
			RQ02_0801a,
			RQ02_0803,
			RQ02_0805,
			RQ02_0806,
			RQ02_0807,
			, _ ,
			RQ04_0101,
			RQ04_0102
3	Send Command with Secured Data	Secured Response Data is returned:	RQ01_0001,
	coded as: [Expanded Remote command structure]	'AB 07	RQ01_0002,
	to the UICC Shared File System Remote File	80 01 03	RQ01_0003,
	Management application, which contains:	23 02 90 00'	RQ01_0005
	- SELECT: DFTEST		
	- SELECT: EFTARU		RQ02_0301,
	- UPDATE BINARY (empty Le field)		RQ02_0302,
	TLV Structure: C-APDU TLV		RQ02_0303,
	Definite length coding		BO02 0404
			RQ02_0401,
			RQ02_0405,
			RQ02_0801,
			RQ02_0801, RQ02_0801a,
			RQ02_0803,
			RQ02_0805,
			RQ02_0806,
			RQ02_0807,
			RQ04_0101,
			RQ04_0102
L		•	

6.2.2.2 Test case 2: A command session containing multiple commands with C-APDU TLV Structure with definite length coding - Bad Format

6.2.2.2.1 Initial Conditions

• None.

6.2.2.2.2 Test Procedure

Step	Description	Expected Result	RQ
1	Send Command with Secured Data	Secured Response Data is returned:	RQ01_0001,
	coded as: [Expanded Remote command structure]	'AB 06	RQ01_0002,
	to the UICC Shared File System Remote File	80 01 03	RQ01_0003,
	Management application, which contains:	90 01 01'	RQ01_0005,
	- SELECT: DFTEST		_ ,
	- SELECT: EFTARU		
	- READ BINARY with wrong C-APDU Tag		RQ02_0301,
	coded as: '23 05 00 B0 00 00 00'		RQ02_0302,
	TLV Structure: C-APDU TLV		RQ02_0303,
	Definite length coding		
			RQ02_0401,
			RQ02_0801,
			RQ02_0801a,
			RQ02_0803,
			RQ02_0805,
			RQ02_0806,
			RQ02_0807,
			RQ02_0809,
			RQ02_0809, RQ02_0810,
			RQ02_0811,
			RQ02_0812
			NQ02_0012
			RQ04_0101,
			RQ04_0102
2	Send Command with Secured Data	Secured Response Data is returned:	RQ01_0001,
	coded as: [Expanded Remote command structure]	'AB 06	RQ01_0002,
	to the UICC Shared File System Remote File	80 01 03	RQ01_0003,
	Management application, which contains:	90 01 02'	RQ01_0005,
	- SELECT: DF _{TEST}		
	- SELECT: EFTARU		RQ02_0301,
	 READ BINARY with wrong C-APDU 		RQ02_0302,
	length coded as: 22 0F 00 B0 00 00 00'		RQ02_0303,
	TLV Structure: C-APDU TLV		
	Definite length coding		RQ02_0401,
			RQ02_0801,
			RQ02_0801a,
			RQ02_0803,
			RQ02_0805,
			RQ02_0806,
			RQ02_0807,
			RQ02_0809,
			RQ02_0810,
			RQ02_0811,
			RQ02_0812
			RQ04_0101,
			RQ04_0102

Step	Description	Expected Result	RQ
3	Send Command with Secured Data	Secured Response Data is returned:	RQ01_0001,
	coded as: [Expanded Remote command structure]	'AB 06	RQ01_0002,
	to the UICC Shared File System Remote File	80 01 03	RQ01_0003,
	Management application, which contains: - SELECT: DFTEST	90 01 03'	RQ01_0005,
	- SELECT: EFTARU		RQ02_0301,
	 READ BINARY with no length in C-APDU 		RQ02_0302,
	structure coded as: '22 00 B0 00 00 00'		RQ02_0303,
	TLV Structure: C-APDU TLV Definite length coding		RQ02 0401,
	Definite length coding		NQ02_0401,
			RQ02_0801,
			RQ02_0801a,
			RQ02_0803,
			RQ02_0805,
			RQ02_0806,
			RQ02_0807,
			RQ02_0809,
			RQ02_0810,
			RQ02_0811,
			RQ02_0812
			RQ04_0101,
			RQ04_0102

6.2.2.3 Test case 3: A command session with C-APDU TLV Structure with indefinite length coding

6.2.2.3.1 Initial Conditions

• None.

6.2.2.3.2 Test Procedure

Step	Description	Expected Result	RQ
1	Send Command with Secured Data	Secured Response Data is returned:	RQ01_0001,
	coded as: [Expanded Remote command structure]	'AF 80	RQ01_0002,
	to the UICC Shared File System Remote File	23 02 90 00	RQ01_0003,
	Management application, which contains: - SELECT: DFTEST	00 00'	RQ01_0005
	TLV Structure: C-APDU TLV		RQ02_0301a,
	Indefinite length coding		RQ02_0302,
			RQ02_0303,
			RQ02_0401,
			RQ02_0802,
			RQ02_0802a,
			RQ02_0804
			RQ04_0101,
			RQ04_0102

Step	Description	Expected Result	RQ
2	Send Command with Secured Data	Secured Response Data is returned:	RQ01_0002,
	coded as: [Expanded Remote command structure]	'AF 80	RQ01_0001,
	to the UICC Shared File System Remote File	23 02 90 00	RQ01_0003,
	Management application, which contains:	23 02 90 00	
	- SELECT: DF _{TEST}	23 02 90 00	RQ02_0301a,
	- SELECT: EFTARU	00 00'	RQ02_0302,
	 UPDATE BINARY (empty Le field) 		RQ02_0303,
	TLV Structure: C-APDU TLV		RQ02_0401,
	Indefinite length coding		RQ02_0402,
			BO02 0002
			RQ02_0802,
			RQ02_0802a,
			RQ02_0804
			RQ04_0101,
			RQ04_0102
3	Send Command with Secured Data	Secured Response Data is returned:	RQ01_0002,
	coded as: [Expanded Remote command structure]	'AF 80	RQ01_0001,
	to the UICC Shared File System Remote File	23 02 90 00	RQ01_0003,
	Management application, which contains:	23 02 90 00	RQ01_0005,
	- SELECT: DFTEST	23 LEN [Data 90 00]	
	- SELECT: EF _{TARU}	00 00' where the Data should	RQ02_0301a,
	 READ BINARY coded with Le field set to 	be the content of EFTARU	RQ02_0302,
	'00'		RQ02_0303,
	TLV Structure: C-APDU TLV		RQ02_0401,
	Indefinite length coding		
			RQ02_0802,
			RQ02_0802a,
			RQ02_0804
			RQ04_0101,
			RQ04_0101, RQ04_0102
			NQU4_0102

6.2.2.4 Test case 4: A command session with C-APDU TLV Structure with indefinite length coding - Bad Format

6.2.2.4.1 Initial Conditions

• None.

6.2.2.4.2 Test Procedure

Step	Description	Expected Result	RQ
1	Send Command with Secured Data coded as: [Expanded Remote command structure] to the UICC Shared File System Remote File Management application, which contains: - SELECT: DFTEST	Secured Response Data is returned: 'AF 80 23 02 90 00 23 02 90 00 90 01 01	RQ01_0001, RQ01_0002, RQ01_0003, RQ01_0005
	- SELECT: EFTARU - READ BINARY with wrong C-APDU coded as ' 23 05 00 B0 00 00 00' TLV Structure: C-APDU TLV Indefinite length coding	00 00'	RQ02_0301a RQ02_0302, RQ02_0303, RQ02_0401,
	indefinite length coding		RQ02_0802, RQ02_0802a, RQ02_0804,
			RQ02_0806, RQ02_0807, RQ02_0809, RQ02_0811, RQ02_0812
			RQ04_0101, RQ04_0102
2	Send Command with Secured Data coded as: [Expanded Remote command structure] to the UICC Shared File System Remote File Management application, which contains: - SELECT: DFTEST	Secured Response Data is returned: 'AF 80 23 02 90 00 23 02 90 00 90 01 02	RQ01_0001, RQ01_0002, RQ01_0003, RQ01_0005
	- SELECT: EF _{TARU} - READ BINARY with wrong C-APDU length coded as:'22 0F 00 B0 00 00 00'	00 00'	RQ02_0301a RQ02_0401,
	TLV Structure: C-APDU TLV Indefinite length coding		RQ02_0802, RQ02_0802a, RQ02_0804,
			RQ02_0806, RQ02_0807, RQ02_0809, RQ02_0811, RQ02_0812
			RQ04_0101, RQ04_0102
3	Send Command with Secured Data coded as: [Expanded Remote command structure] to the UICC Shared File System Remote File Management application, which contains: - SELECT: DFTEST	Secured Response Data is returned: 'AF 80 23 02 90 00 23 02 90 00 90 01 03	RQ01_0001, RQ01_0002, RQ01_0003, RQ01_0005
	 SELECT: EFTARU READ BINARY with no length in C-APDU 	00 00'	RQ02_0301a,
	structure as:'22 00 B0 00 00 00' TLV Structure: C-APDU TLV Indefinite length coding		RQ02_0401, RQ02_0802,
			RQ02_0802a, RQ02_0804,
			RQ02_0806, RQ02_0807, RQ02_0809, RQ02_0811, RQ02_0812
			RQ04_0101, RQ04_0102

6.2.2.5 Test case 5: A command session with Immediate Action TLV Structure with definite length coding - Normal Format

6.2.2.5.1 Initial Conditions

- On the UICC-Terminal interface, prior to this test the Terminal shall have been powered on and performed the PROFILE DOWNLOAD procedure.
- Test application with AID30, AID31 and AID32 have been successfully installed.

6.2.2.5.2 Test Procedure

Step	Description	Expected Result	RQ
1	Send Command with Secured Data	On the UICC-Terminal interface:	RQ01_0001,
	coded as: [Expanded Remote command structure] to	The proactive session is performed	RQ01_0002,
	the Test application with AID30, which consist of	successfully for DISPLAY TEXT.	RQ01_0003,
	proactive command:	·	RQ01_0005
	- DISPLAY TEXT		RQ02_0301;
	TLV Structure: Immediate Action TLV using normal		RQ02_0302,
	format		RQ02_0304,
	Definite length coding		
			RQ02_0501,
			RQ02_0504,
			RQ02_0509,
			RQ04_0101,
			RQ04_0102
2	Send Command with Secured Data	On the UICC-Terminal interface:	RQ01_0001,
	coded as: [Expanded Remote command structure] to	The proactive session is performed	RQ01_0002,
	the Test application with AID31, which consist of	successfully for PLAY TONE.	RQ01_0003,
	proactive command:		RQ01_0005
	- PLAY TONE		D000 0004
	TLV Structure: Immediate Action TLV using normal		RQ02_0301,
	format		RQ02_0302,
	Definite length coding		RQ02_0304,
			RQ02_0501,
			RQ02_0504,
			RQ02_0509
			11402_0000
			RQ04_0101,
			RQ04_0102
3	Send Command with Secured Data	On the UICC-Terminal interface:	RQ01_0001,
	coded as: [Expanded Remote command structure] to	The proactive session is performed	RQ01_0002,
	the Test application with AID32, which consist of	successfully for REFRESH.	RQ01_0003,
	proactive command:		RQ01_0005
	- REFRESH		
	TLV Structure: Immediate Action TLV using normal		RQ02_0301,
	format		RQ02_0302,
	Definite length coding		RQ02_0304,
			RQ02_0501,
			RQ02_0504,
			RQ02_0509
			DO04 0404
			RQ04_0101,
			RQ04_0102

6.2.2.6 Test case 6: A command session with Immediate Action TLV Structure with definite length coding - Referenced Format

6.2.2.6.1 Initial Conditions

- On the UICC-Terminal interface, prior to this test the Terminal shall have been powered on and performed the PROFILE DOWNLOAD procedure on the UICC/terminal interface.
- Test application with AID33 has been successfully installed.

6.2.2.6.2 Test Procedure

Step	Description	Expected Result	RQ
1	Send Command with Secured Data	On the UICC-Terminal interface:	RQ02_0301,
	coded as: [Expanded Remote command structure] to	The proactive session is performed	RQ02_0302,
	the Test application with AID33, consist of 2	successfully for DISPLAY TEXT.	RQ02_0304,
	Command TLV having the following TLV Structure in		
	Definite length coding:		RQ02_0502,
	1st CMD: Immediate Action TLV		RQ02_0509
	 Referenced format indicating proactive 		
	session ('81') in the first command		
	2 nd CMD: C-APDU TLV consist of DISPLAY		
	TEXT		D000 0004
2	Send Command with Secured Data	Secure Response Data is returned to	RQ02_0301,
	coded as: [Expanded Remote command structure] to	the sending entity, containing	RQ02_0302,
	the Test application with AID33, consist of 3	'AB 07	RQ02_0304,
	Command TLV having the following TLV Structure in	80 01 01	RQ02_0502,
	Definite length coding: 1st CMD: Immediate Action	23 02 90 00'	RQ02_0503, RQ02_0504,
		On the LUCC Terminal interferes	RQ02_0504, RQ02_0509,
	- Referenced format TLV indicating early	On the UICC-Terminal interface: The proactive session is performed	RQ02_0509, RQ02_0508a,
	response ('82') 2nd CMD: C-APDU TLV consist of DISPLAY	successfully for DISPLAY TEXT.	RQ02_0508b,
	TEXT	Successibily for DISPLAT TEXT.	RQ02_0508c
	3 rd CMD: Immediate Action	The proactive session is performed	NQ02_05060
	- Referenced format TLV then to the second	successfully for REFRESH	RQ02_0801
	record in EF _{RMA} ('02') refers to REFRESH	command.	11002_0001
3	Send Command with Secured Data	On the UICC-Terminal interface:	RQ02_0301,
	coded as: [Expanded Remote command structure] to	The proactive session is performed	RQ02_0302,
	the Test application with AID33, which consist of 2	successfully for DISPLAY TEXT.	RQ02_0304,
	Command TLV having the following TLV Structure in		,
	Definite length coding:	The proactive session is performed	RQ02_0502,
	1st CMD: Immediate Action	successfully for REFRESH	RQ02_0503,
	 Referenced format to the first record in 	command.	RQ02_0504,
	EF _{RMA} ('01') DISPLAY TEXT		RQ02_0509,
	2 nd CMD: Immediate Action		
	 Referenced format TLV to the second 		
	record in EF _{RMA} ('02') REFRESH		
4	Send Command with Secured Data	On the UICC-Terminal interface:	RQ02_0301,
	coded as: [Expanded Remote command structure] to	The proactive session is performed	RQ02_0302,
	the Test application with AID33, consist of 3	successfully for DISPLAY TEXT.	RQ02_0304,
	Command TLV having the following TLV Structure in		
	Definite length coding:	Secured Response Data is returned:	RQ02_0502,
	1st CMD: Immediate Action TLV	'AB 07	RQ02_0504,
	- Referenced format indicating proactive	80 01 03	RQ02_0509
	session ('81')	23 02 90 00'	
	2 nd CMD: C-APDU TLV consist of DISPLAY		
	TEXT		
	3 rd CMD: C-APDU TLV		
	- SELECT: DF _{TEST}		1

6.2.2.7 Test case 7: A command session with Immediate Action TLV Structure with definite length coding - Immediate Action Error

6.2.2.7.1 Initial Conditions

- On the UICC-Terminal interface, prior to this test the Terminal shall have been powered on and performed the PROFILE DOWNLOAD procedure.
- Test application with AID34 has been successfully installed.

6.2.2.7.2 Test Procedure

Step	Description	Expected Result	RQ
1	Send Command with Secured Data coded as:	Secured Response Data is returned:	RQ02_0301,
	[Expanded Remote command structure] to the Test	'AB 06	RQ02_0302,
	application with AID34, consist of 2 Command TLV	80 01 01	RQ02_0304,
	having the following TLV Structure:	81 01 01'	
	Immediate Action TLV using referenced format		RQ02_0501,
	indicating proactive session ('81') followed by a C-	On the UICC-Terminal interface:	RQ02_0509,
	APDU TLV DISPLAY TEXT proactive command with	The proactive session is not	RQ02_0812a,
	wrong C-APDU length.	performed for DISPLAY TEXT.	RQ02_0813,
	Definite length coding.		RQ02_0814

6.2.2.8 Test case 8: A command session with Immediate Action TLV Structure with indefinite length coding - Normal Format

6.2.2.8.1 Initial Conditions

- On the UICC-Terminal interface, prior to this test the Terminal shall have been powered on and performed the PROFILE DOWNLOAD procedure.
- Test application with AID30, AID31 and AID32 have been successfully installed.

6.2.2.8.2 Test Procedure

Step	Description	Expected Result	RQ
1	Send Command with Secured Data coded as: [Expanded Remote command structure] to the Test application with AID30, which consist of proactive command: - DISPLAY TEXT TLV Structure: Immediate Action TLV using normal format. Indefinite length coding.	On the UICC-Terminal interface: The proactive session is performed successfully for DISPLAY TEXT.	RQ02_0301a, RQ02_0302, RQ02_0304, RQ02_0501, RQ02_0504, RQ02_0509
2	Send Command with Secured Data coded as: [Expanded Remote command structure] to the Test application with AID31, which consist of proactive command: - PLAY TONE TLV Structure: Immediate Action TLV using normal format. Indefinite length coding.	On the UICC-Terminal interface: The proactive session is performed successfully for PLAY TONE.	RQ02_0301a, RQ02_0302, RQ02_0304, RQ02_0501, RQ02_0504, RQ02_0509
3	Send Command with Secured Data coded as: [Expanded Remote command structure] to the Test application with AID32, which consist of proactive command: - REFRESH TLV Structure: Immediate Action TLV using normal format. Indefinite length coding.	On the UICC-Terminal interface: The proactive session is performed successfully for REFRESH.	RQ01_0003, RQ02_0301a, RQ02_0302, RQ02_0304, RQ02_0501, RQ02_0504, RQ02_0509

6.2.2.9 Test case 9: A command session with Immediate Action TLV Structure with indefinite length coding - Referenced Format

6.2.2.9.1 Initial Conditions

- On the UICC-Terminal interface, prior to this test the Terminal shall have been powered on and performed the PROFILE DOWNLOAD procedure.
- Test application with AID33 has been successfully installed.

6.2.2.9.2 Test Procedure

Step	Description	Expected Result	RQ
1	Send Command with Secured Data	On the UICC-Terminal interface:	RQ02_0301a,
	coded as: [Expanded Remote command structure] to	The proactive session is performed	RQ02_0302,
	the Test application with AID33, which consist of one	successfully for DISPLAY TEXT.	RQ02_0304,
	Command TLV having the following TLV Structure:		
			RQ02_0502,
	Immediate Action TLV using referenced format		RQ02_0503,
	indicating proactive session ('81') followed by		RQ02_0509
	DISPLAY TEXT		
	Indefinite length coding.		
2	Send Command with Secured Data	Secured Response Data is returned:	RQ02_0301a,
	coded as: [Expanded Remote command structure] to	'AF 80	RQ02_0302,
	the Test application with AID33, consist of 4	81 02 90 00	RQ02_0304,
	Command TLV having the following TLV Structure in	00 00'	
	Indefinite length coding:		RQ02_0502,
	1 st CMD: Immediate Action TLV:	On the UICC-Terminal interface:	RQ02_0503,
	 referenced format first record in EF_{RMA} 	The proactive session is performed	RQ02_0509,
	('03'), then	successfully for the following	RQ02_0802,
	2 nd CMD: Immediate Action TLV:	proactive commands in the following	
	 referenced format indicating early response 	order:	RQ02_0508a,
	('82')	- PLAY TONE	RQ02_0508b,
	3 rd CMD: C-APDU TLV consist of DISPLAY TEXT	 DISPLAY TEXT and 	RQ02_0508c
	4 th CMD: Immediate Action TLV:	- REFRESH.	
	 referenced format to the second record in 		
	EF _{RMA} ('02')		

6.2.2.10 Test case 10: A command session with Immediate Action TLV Structure with indefinite length coding - Immediate Action Error

6.2.2.10.1 Initial Conditions

- On the UICC-Terminal interface, prior to this test the Terminal shall have been powered on and performed the PROFILE DOWNLOAD procedure.
- Test application with AID34 has been successfully installed.

6.2.2.10.2 Test Procedure

Step	Description	Expected Result	RQ
1	Send Command with Secured Data	Secured Response Data is returned:	RQ02_0301a,
	coded as: [Expanded Remote command structure] to	'AF 80	RQ02_0302,
	the Test application with AID34, which consist of:	81 01 01	RQ02_0304,
	 TLV Structure: Immediate Action TLV using 	00 00'	
	referenced format indicating proactive		RQ02_0501,
	session ('81') in the first command TLV	On the UICC-Terminal interface:	RQ02_0509,
	followed by C-APDU TLV consist of	The proactive session is not	
	DISPLAY TEXT with wrong C-APDU length	performed for DISPLAY TEXT.	RQ02_0812b,
	Indefinite length coding.		RQ02_0813,
			RQ02_0814

6.2.2.11 Test case 11: A command session with Error Action TLV Structure with definite length coding - normal format

6.2.2.11.1 Initial Conditions

- On the UICC-Terminal interface, prior to this test the Terminal shall have been powered on and performed the PROFILE DOWNLOAD procedure.
- Test application with AID1, AID35 has been successfully installed.

6.2.2.11.2 Test Procedure

Step	Description	Expected Result	RQ
1	Send Command with Secured Data	On the UICC-Terminal interface:	RQ02_0301,
	coded as: [Expanded Remote command structure]	The proactive session is performed	RQ02_0302,
	to test application with AID35, which consist of the	successfully for DISPLAY TEXT.	RQ02_0305,
	following Command TLVs:		
	 1st CMD: Error Action TLV using normal 	Secured Response Data is returned:	RQ02_0601,
	format consist of DISPLAY TEXT	'AB LEN	RQ02_0605,
	 2nd CMD: C-APDU TLV consist of 	80 01 04	RQ02_0606
	SELECT: DFTEST	23 LENx [Data SW1 SW2]'	
	 3rd CMD: C-APDU TLV consist of 		
	SELECT: EFTPRU		
	 4th CMD: C-APDU TLV consist of READ 		
	BINARY		
	Definite length coding.		
2	Send Command with Secured Data	Secured Response Data is returned:	RQ02_0301,
	coded as: [Expanded Remote command structure]	'AB 07	RQ02_0302,
	to Test application with AID1, which consist of the	80 01 04	RQ02_0305,
	following Command TLVs:	23 02 69 82'	
	 1st CMD: Error Action TLV with no action 		RQ02_0603,
	 2nd CMD: C-APDU TLV consists of 		RQ02_0607
	SELECT: DFTEST as C-APDU TLV		
	- 3 rd CMD: C-APDU TLV consists of		
	SELECT: EFTPRU as C-APDU TLV		
	- 4 th CMD: C-APDU TLV consist of READ		
	BINARY as C-APDU TLV		
	Definite length coding.		

6.2.2.12 Test case 12: A command session with Error Action TLV Structure with definite length coding - Referenced format

6.2.2.12.1 Initial Conditions

- On the UICC-Terminal interface, prior to this test the Terminal shall have been powered on and performed the PROFILE DOWNLOAD procedure.
- Test application with AID36 has been successfully installed.

6.2.2.12.2 Test Procedure

Step	Description	Expected Result	RQ
1	Send Command with Secured Data	On the UICC-Terminal interface:	RQ02_0301,
	coded as: [Expanded Remote command structure]	The proactive session is performed	RQ02_0302,
	to Test application with AID 36, which consist of the	successfully for PLAY TONE.	RQ02_0305,
	following Commands TLV:		RQ02_0602,
	 1st CMD: Error Action TLV using 	Secured Response Data is returned:	RQ02_0604,
	referenced format to the third record in	'AB LEN	RQ02_0605,
	EF _{RMA} (' 03') to PLAY TONE	80 01 05	RQ02_0606
	 2nd CMD: C-APDU TLV consist of 	82 LENx [Data SW1 SW2]'	
	SELECT: DF _{TEST}		
	 3rd CMD: C-APDU TLV consist of 		
	SELECT: EFTPRU		
	 4th CMD: C-APDU TLV consist of READ 		
	BINARY as C-APDU TLV		
	Definite length coding.		

6.2.2.13 Test case 13: A command session with Error Action TLV Structure with indefinite length coding - Normal format

6.2.2.13.1 Initial Conditions

- On the UICC-Terminal interface, prior to this test the Terminal shall have been powered on and performed the PROFILE DOWNLOAD procedure.
- Test application with AID35, AID36 and AID1 has been successfully installed.

6.2.2.13.2 Test Procedure

Step	Description	Expected Result	RQ
1	Send Secured Data coded as: [Expanded Remote	Secured Response Data is	RQ02_0301a,
	command structure] to the Test application with	returned:	RQ02_0302,
	AID35, which consist of the following Commands	'AF 80	RQ02_0305,
	TLV:	23 02 90 00	
	 1st CMD: Error Action TLV using normal 	23 02 90 00	RQ02_0601,
	format consist of DISPLAY TEXT	82 LEN [Data SW1 SW2]	RQ02_0605,
	 2nd CMD: C-APDU TLV consist of 	82 02 69 85'	RQ02_0606
	SELECT: DF _{TEST}		
	 3rd CMD: C-APDU TLV consist of 	On the UICC-terminal interface:	RQ02_0802,
	SELECT: EFTPRU	The proactive session is performed	RQ02_0802a,
	 4th CMD: C-APDU TLV consist of READ 	successfully for DISPLAY TEXT.	RQ02_0804
	BINARY	·	
	Indefinite length coding.		
2	Send Secured Data	Secured Response Data is	RQ02_0301a,
	coded as: [Expanded Remote command structure]	returned:	RQ02_0302,
	to the Test application with AID1, which consist of	'AF 80	RQ02_0305,
	the following Commands TLV:	23 02 90 00	
	 1st CMD: Error Action TLV with no action 	23 02 90 00	RQ02_0603,
	 2nd CMD: C-APDU TLV consist of 	82 02 69 85'	RQ02_0607,
	SELECT: DF _{TEST}		
	 3rd CMD: C-APDU TLV consist of 		RQ02_0802,
	SELECT: EF _{TPRU}		RQ02_0802a,
	 4th CMD: C-APDU TLV consist of READ 		RQ02_0804
	BINARY as C-APDU TLV		
	Indefinite length coding.		

6.2.2.14 Test case 14: A command session with Error Action TLV Structure with indefinite length coding - Referenced format

6.2.2.14.1 Initial Conditions

- On the UICC-Terminal interface, prior to this test the Terminal shall have been powered on and performed the PROFILE DOWNLOAD procedure.
- Test application with AID35, AID36 and AID1 has been successfully installed.

6.2.2.14.2 Test Procedure

Step	Description	Expected Result	RQ
1	Send Secured Data	Secured Response Data is	RQ02_0301a,
	coded as: [Expanded Remote command structure]	returned:	RQ02_0302,
	to the Test application with AID36, which consist of	'AF 80	RQ02_0305,
	the following Commands TLV:	23 02 90 00	
	 1st CMD: Error Action TLV using 	23 02 90 00	RQ02_0602,
	referenced format to the third record in	82 LEN [Data SW1 SW2]	RQ02_0604,
	EF _{RMA} ('03') for PLAY TONE	82 02 69 85'	RQ02_0605,
	 2nd CMD: C-APDU TLV consist of 		RQ02_0606,
	SELECT: DFTEST	On the UICC-terminal interface:	
	 3rd CMD: C-APDU TLV consist of 	The proactive session is performed	RQ02_0802,
	SELECT: EFTPRU	successfully for PLAY TONE.	RQ02_0802a,
	 4th CMD: C-APDU TLV consist of READ 		RQ02_0804
	BINARY		
	Indefinite length coding.		

6.2.2.15 Test case 15: A command session with Script Chaining TLV Structure with definite length coding

6.2.2.15.1 Initial Conditions

• None.

6.2.2.15.2 Test Procedure

Step	Description	Expected Result	RQ
1	Send Secured Data coded as: [Expanded Remote command structure] to the UICC Shared File System Remote File Management application, which contains: - Script Chaining TLV with the Script Chaining Value '01' as the first command TLV - SELECT: DF _{TEST} as C-APDU TLV - SELECT: EF _{TARU} as C-APDU TLV - UPDATE BINARY with data '01 01 01' (17 bytes) as C-APDU TLV Definite length coding.	'AB 07 80 01 04 83 02 90 00'	RQ02_0301, RQ02_0302, RQ02_0306, RQ02_0701, RQ02_0702, RQ02_0704, RQ04_0103 RQ04_0104
2	Send Secured Data coded as: [Expanded Remote command structure] to the UICC Shared File System Remote File Management application, which contains: - Script Chaining TLV with the Script Chaining Value '02' as the first command TLV - UPDATE BINARY with data '01 01 01' (100 bytes) as C-APDU TLV Definite length coding.	'AB 07 80 01 02 83 02 90 00'	RQ02_0301, RQ02_0302, RQ02_0306, RQ02_0701, RQ02_0702, RQ02_0704, RQ04_0103 RQ04_0104

Step	Description	Expected Result	RQ
3	Send Secured Data	'AB 81 83	RQ02_0301,
	coded as: [Expanded Remote command structure]	80 01 03	RQ02_0302,
	to the UICC Shared File System Remote File	83 LEN [Data 90 00]' where the	RQ02_0306,
	Management application, which contains:	Data should be the content of EFTARU.	RQ02_0701,
	 Script Chaining TLV with the Script 		RQ02_0702,
	Chaining Value '03' as the first command		RQ02_0704,
	TLV		
	 UPDATE BINARY with data '01 01 01' as 		RQ04_0103
	C-APDU TLV		RQ04_0104
	 READ BINARY as C-APDU TLV 		
	Definite length coding.		

6.2.2.16 Test case 16: A command session with Script Chaining TLV Structure with definite length coding (Script Chaining Error).

6.2.2.16.1 Initial Conditions

• None.

6.2.2.16.2 Test Procedure

Step	Description	Expected Result	RQ
1	Send Secured Data	'AB 06	RQ02_0301,
	coded as: [Expanded Remote command structure]	80 01 01	RQ02_0302,
	to the UICC Shared File System Remote File	83 02 01'	RQ02_0306,
	Management application, which contains:		
	 Script Chaining TLV with the Script 		RQ02_0817a
	Chaining Value '02' as the first command		
	TLV		
	 SELECT: DFTEST as C-APDU TLV 		
	 SELECT: EF_{TARU} as C-APDU TLV 		
	 UPDATE BINARY with data '01 01 01' as 		
	C-APDU TLV		
	Definite length coding.		

6.2.2.17 Test case 17: A command session with Script Chaining TLV Structure with indefinite length coding

6.2.2.17.1 Initial Conditions

• None.

6.2.2.17.2 Test Procedure

Step	Description	Expected Result	RQ
1	Send Secured Data	'AF 80	RQ02_0301a,
	coded as: [Expanded Remote command structure]	83 02 90 00	RQ02_0302,
	to the UICC Shared File System Remote File	83 02 90 00	RQ02_0306,
	Management application, which contains:	83 02 90 00	RQ04_0103
	 Script Chaining TLV with the Script 	00 00'	RQ04_0104
	Chaining Value '01' as the first command		
	TLV		
	 SELECT: DFTEST as C-APDU TLV 		
	 SELECT: EFTARU as C-APDU TLV 		
	 UPDATE BINARY with data '01 01 01' 		
	(17 Bytes) as C-APDU TLV		
	Indefinite length coding.		

Step	Description	Expected Result	RQ
2	Send Secured Data	'AF 80	RQ02_0301a,
	coded as: [Expanded Remote command structure]	83 02 90 00	RQ02_0302,
	to the UICC Shared File System Remote File	83 02 90 00	RQ02_0306,
	Management application, which contains:	83 02 90 00	RQ04_0103
	 Script Chaining TLV with the Script 	00 00'	RQ04_0104
	Chaining Value '02' as the first command		
	TLV		
	 UPDATE BINARY with data '01 01 01' 		
	(100 bytes) as C-APDU TLV		
	Indefinite length coding.		
3	Send Secured Data	'AF 80	RQ02_0301a,
	coded as: [Expanded Remote command structure]	83 02 90 00	RQ02_0302,
	to the UICC Shared File System Remote File	83 02 90 00	RQ02_0306,
	Management application, which contains:	83 02 90 00	RQ04_0103
	 Script Chaining TLV with the Script 	83 LEN [Data 90 00]	RQ04_0104
	Chaining Value '03' as the first command	00 00' where the Data should	
	TLV	be the content of EFTARU.	
	 UPDATE BINARY with data '01 01 01' as 		
	C-APDU TLV		
	 READ BINARY as C-APDU TLV 		
	Indefinite length coding.		

6.2.2.18 Test case 18: A command session with Script Chaining TLV Structure with indefinite length coding (Script Chaining Error)

6.2.2.18.1 Initial Conditions

• None.

6.2.2.18.2 Test Procedure

Step	Description	Expected Result	RQ
1	Send Secured Data	'AF 80	RQ02_0301a,
	coded as: [Expanded Remote command structure]	83 02 01 00 00'	RQ02_0302,
	to the UICC Shared File System Remote File		RQ02_0306,
	Management application, which contains:		
	 Script Chaining TLV with the Script 		RQ02_0817b,
	Chaining Value '02' as the first command		RQ02_0818,
	TLV		RQ02_0819
	 SELECT: DFTEST as C-APDU TLV 		
	 SELECT: EFTARU as C-APDU TLV 		
	 UPDATE BINARY with data '01 01 01' as 		
	C-APDU TLV		
	Indefinite length coding.		

6.3 Security parameters assigned to applications

6.3.1 Minimum Security Level (MSL)

Test cases verifying the requirements from this clause are defined under clause 6.5.3 of the present document.

6.3.2 Access domain

Test cases verifying the requirements from this clause are defined under clause 6.5.3 of the present document.

6.4 Remote File Management (RFM)

6.4.1 UICC Shared File System Remote File Management

6.4.1.1 Test case 1: A command session with a single SELECT command. Check access to the file tree

6.4.1.1.1 Initial Conditions

• None.

6.4.1.1.2 Test Procedure

Step	Description	Expected Result	RQ
1	Send Command with Secured Data to the UICC Shared File System Remote File Management application, which contains: SELECT: EF _{DIR} GET RESPONSE	Response with Secured Data is returned last or only additional data response shall be '02 90 00' and FCP data containing TLV '83 02 2F 00'	RQ04_0301, RQ04_0302, RQ04_0304 RQ01_0001, RQ01_0002, RQ01_0003, RQ02_0101, RQ02_0103 RQ02_0104 RQ02_0201
2	Send Command with Secured Data to the UICC Shared File System Remote File Management application which contains: SELECT: DFTEST	Response with Secured Data is returned last or only additional data response shall be '01 90 00'	RQ04_0301, RQ04_0304 RQ01_0001, RQ01_0002, RQ01_0003, RQ02_0101, RQ02_0201
	Send Command with Secured Data to the UICC Shared File System Remote File Management application, which contains: SELECT: DFTESTB	Response with Secured Data is returned last or only additional data response shall be '01 69 85' or other error SW	RQ04_0303, RQ01_0001, RQ01_0002, RQ01_0003, RQ02_0101, RQ02_0201
4	Send Command with Secured Data to the UICC Shared File System Remote File Management application which contains: SELECT by DF name: ADF	Response with Secured Data is returned last or only additional data response shall be '01 69 85' or other error SW	RQ04_0201
5	Send Command with Secured Data to the UICC Shared File System Remote File Management application which contains: SELECT: DF _{TEST} SELECT: EF _{TARU} (see note)	Response with Secured Data is returned last or only additional data response shall be '02 90 00'	RQ04_0201
NOTE:	SELECT command is executed as SELECT by FID	J.	

6.4.1.2 Test case 2: A command session with multiple commands (SELECT, UPDATE BINARY, READ BINARY).

6.4.1.2.1 Initial Conditions

• None.

6.4.1.2.2 Test Procedure

Step	Description	Expected Result	RQ
1	Send Command with Secured Data to the UICC Shared File System Remote File Management application, which contains: - SELECT: DFTEST - SELECT: EFTARU - UPDATE BINARY with data '01 01 01'	Response with Secured Data is returned last or only additional data response shall be '03 90 00'	RQ01_0001, RQ01_0002, RQ01_0003, RQ01_0005, RQ01_0007, RQ02_0101, RQ02_0201,
2	Send Command with Secured Data to the UICC Shared File System Remote File Management application, which contains: - SELECT: DF _{TEST} - SELECT: EF _{TARU} - READ BINARY with P3/Le = '00'	Response with Secured Data is returned last or only additional data response shall be '03 90 00' and contain all data of EF _{TARU} starting with '01 01 01' until the end of file	RQ04_0304 RQ01_0001, RQ01_0002, RQ01_0003, RQ01_0005, RQ01_0007, RQ02_0101, RQ02_0104, RQ02_0105, RQ04_0101, RQ04_0201, RQ04_0201, RQ04_0203, RQ04_0304
3	Send Command with Secured Data to the UICC Shared File System Remote File Management application, which contains: - READ BINARY with P3/Le = '00'	Response with Secured Data is returned last or only additional data response shall be '01 69 86'	RQ01_0001, RQ01_0002, RQ01_0003, RQ01_0005, RQ01_0009,

6.4.1.3 Test case 3: A command session with multiple commands (SEARCH RECORD, UPDATE RECORD, INCREASE, READ RECORD)

6.4.1.3.1 Initial Conditions

• None.

6.4.1.3.2 Test Procedure

Step	Description	Expected Result	RQ
1	Send Command with Secured Data	Response with Secured Data is returned	RQ04_0101,
	to the UICC Shared File System Remote File	last or only additional data response shall	RQ04_0201,
	Management application, which contains:	be '03 90 00'	RQ04_0304
	- SELECT: DFTEST		
	- SELECT: EF _{CY4R4b}		
	 UPDATE RECORD with data '01 01 01 		
	01' with P2 set to PREVIOUS mode		

Step	Description	Expected Result	RQ
2	Send Command with Secured Data to the UICC Shared File System Remote File Management application, which contains: - SELECT: DFTEST - SELECT: EFCY4R4b - SEARCH RECORD with data '01 01 01 01'	Response with Secured Data is returned last or only additional data response shall be '03 90 00' and contain '01' data byte	RQ04_0101, RQ04_0201, RQ04_0203, RQ04_0304
3	Send Command with Secured Data to the UICC Shared File System Remote File Management application, which contains: - SELECT: DF _{TEST} - SELECT: EF _{CY4R4b} - READ RECORD with P3/Le = '00'	Response with Secured Data is returned last or only additional data response shall be'03 90 00 ' and contain '01 01 01 01' data bytes	RQ04_0101, RQ04_0201, RQ04_0202, RQ04_0304
4	Send Command with Secured Data to the UICC Shared File System Remote File Management application, which contains: - SELECT: DFTEST - SELECT: EFCY4R4b - INCREASE with data '01 01 01 01' - GET RESPONSE	Response with Secured Data is returned last or only additional data response shall be '04 90 00' and contain '02 02 02 02 01 01 01 01' data bytes	RQ04_0101, RQ04_0201, RQ04_0304

6.4.1.4 Test case 4: A command session with multiple commands (SET DATA, RETRIEVE DATA).

6.4.1.4.1 Initial Conditions

• None.

6.4.1.4.2 Test Procedure

Step	Description	Expected Result	RQ
1	Send Command with Secured Data	Response with Secured Data is returned	RQ04_0101,
	to the UICC Shared File System Remote File	last or only additional data response shall	RQ04_0201,
	Management application, which contains: - SELECT by FID: DF _{TEST}	be '03 90 00'	RQ04_0304
	- SELECT: ÉFBER-TLV		
	- SET DATA with '81 02 01 01'		
2	Send Command with Secured Data	Response with Secured Data is returned	RQ04_0101,
	to the UICC Shared File System Remote File	last or only additional data response shall	RQ04_0201,
	Management application, which contains:	be'04 90 00' and contain '81 02 01 01'	RQ04_0204,
	 SELECT by FID: DF_{TEST} 	data bytes	RQ04_0304
	- SELECT: EFBER-TLV		
	 RETRIEVE DATA with P3/Le = '00'and 		
	Tag value '81'		
	- GET RESPONSE		

6.4.1.5 Test case 5: A command session with multiple commands (ACTIVATE FILE, DEACTIVATE FILE)

6.4.1.5.1 Initial Conditions

None.

6.4.1.5.2 Test Procedure

Step	Description	Expected Result	RQ
1	Send Command with Secured Data to the UICC Shared File System Remote File	Response with Secured Data is returned last or only additional data response shall	RQ04_0101, RQ04_0201,
	Management application, which contains: - SELECT: DF _{TEST} - SELECT: EF _{TARU} - ACTIVATE FILE	be '03 90 00'	RQ04_0304
2	Send Command with Secured Data to the UICC Shared File System Remote File Management application, which contains: - SELECT: DF _{TEST} - SELECT: EF _{TARU} - DEACTIVATE FILE	Last or only additional data response shall be '03 90 00'	RQ04_0101, RQ04_0201, RQ04_0304
3	Send Command with Secured Data to the UICC Shared File System Remote File Management application, which contains: - SELECT: DFTEST - SELECT: EFTARU - READ BINARY	Response with Secured Data is returned last or only additional data response shall be '03 69 85'	RQ01_0005, RQ04_0101, RQ04_0201, RQ04_0304

6.4.1.6 Test case 6: A command session with multiple commands (VERIFY PIN, CHANGE PIN)

6.4.1.6.1 Initial Conditions

• None.

6.4.1.6.2 Test Procedure

Step	Description	Expected Result	RQ
1	Send Command with Secured Data to the UICC Shared File System Remote File Management application, which contains: - SELECT: DFTEST - SELECT: EFTUACP - VERIFY PIN with PIN = '31 31 31 31 FF FF FF FF'	Response with Secured Data is returned last or only additional data response shall be '03 90 00'	RQ04_0101, RQ04_0201, RQ04_0304
	Send Command with Secured Data to the UICC Shared File System Remote File Management application, which contains: - SELECT: DFTEST - SELECT: EFTPRU - VERIFY PIN with PIN = '31 31 31 31 FF FF FF FF' - READ BINARY	Response with Secured Data is returned last or only additional data response shall be '04 90 00', and contain all data of EFTPRU	
2	Send Command with Secured Data to the UICC Shared File System Remote File Management application, which contains: - SELECT: DFTEST - SELECT: EFTUACP - CHANGE PIN with data = '31 31 31 31 FF FF FF FF 32 32 32 32 FF FF FF FF' - VERIFY PIN with PIN = '32 32 32 32 FF FF FF FF'	Response with Secured Data is returned last or only additional data response shall be '04 90 00'	RQ04_0101, RQ04_0201, RQ04_0304

6.4.1.7 Test case 7: A command session with multiple commands (DISABLE PIN, ENABLE PIN)

6.4.1.7.1 Initial Conditions

• None.

6.4.1.7.2 Test Procedure

Step	Description	Expected Result	RQ
1	Send Command with Secured Data to the UICC Shared File System Remote File Management application, which contains: - SELECT: DFTEST - SELECT: EFTUACP - DISABLE PIN with PIN = '31 31 31 31 FF FF FF FF'	Response with Secured Data is returned last or only additional data response shall be '03 90 00'	RQ04_0101, RQ04_0201, RQ04_0304
2	Send Command with Secured Data to the UICC Shared File System Remote File Management application, which contains: - SELECT: DFTEST - SELECT: EFTUACP - VERIFY PIN with PIN = '31 31 31 31 FF FF FF FF'	Response with Secured Data is returned last or only additional data response shall be '03 69 83' or any other security error SW	RQ04_0101, RQ04_0201, RQ04_0304
3	Send Command with Secured Data to the UICC Shared File System Remote File Management application, which contains: - SELECT: DF _{TEST} - SELECT: EF _{TUACP} - ENABLE PIN with PIN = '31 31 31 31 FF FF FF FF'	Response with Secured Data is returned last or only additional data response shall be '03 90 00'	RQ04_0101, RQ04_0201, RQ04_0304
4	Send Command with Secured Data to the UICC Shared File System Remote File Management application, which contains: - SELECT: DFTEST - SELECT: EFTUACP - VERIFY PIN with PIN = '31 31 31 31 FF FF FF FF'	Response with Secured Data is returned last or only additional data response shall be '03 90 00'	RQ04_0101, RQ04_0201, RQ04_0304

6.4.1.8 Test case 8: A command session with multiple commands (UNBLOCK PIN)

6.4.1.8.1 Initial Conditions

• None.

6.4.1.8.2 Test Procedure

Step	Description	Expected Result	RQ
1	Send Command with Secured Data to the UICC Shared File System Remote File Management application, which contains: - SELECT: DFTEST - SELECT: EFTUACP - VERIFY PIN with PIN = '30 30 30 30 FF FF FF FF'	Response with Secured Data is returned last or only additional data response shall be '03 63 C2'	RQ04_0101, RQ04_0201, RQ04_0304
2	Send Command with Secured Data to the UICC Shared File System Remote File Management application, which contains: - SELECT: DFTEST - SELECT: EFTUACP - VERIFY PIN with PIN = '30 30 30 30 FF FF FF FF'	Response with Secured Data is returned last or only additional data response shall be '03 63 C1'	RQ04_0101, RQ04_0201, RQ04_0304

Step	Description	Expected Result	RQ
3	Send Command with Secured Data to the UICC Shared File System Remote File Management application, which contains: - SELECT: DFTEST - SELECT: EFTUACP - VERIFY PIN with PIN = '30 30 30 30 FF FF FF FF'	Response with Secured Data is returned last or only additional data response shall be '03 63 C0'	RQ04_0101, RQ04_0201, RQ04_0304
4	Send Command with Secured Data to the UICC Shared File System Remote File Management application, which contains: - SELECT: DFTEST - SELECT: EFTUACP - VERIFY PIN with PIN = '30 30 30 30 FF FF FF FF'	Response with Secured Data is returned last or only additional data response shall be '03 63 C0' or '03 69 83'	RQ04_0101, RQ04_0201, RQ04_0304
5	Send Command with Secured Data to the UICC Shared File System Remote File Management application, which contains: - SELECT: DFTEST - SELECT: EFTUACP - UNBLOCK PIN with Data = '33 33 33 FF FF FF FF 34 34 34 FF FF FF FF	Response with Secured Data is returned last or only additional data response shall be '03 90 00'	RQ04_0101, RQ04_0201, RQ04_0304
6	Send Command with Secured Data to the UICC Shared File System Remote File Management application, which contains: - SELECT: DFTEST - SELECT: EFTUACP - VERIFY PIN with PIN = '34 34 34 34 FF FF FF FF'	Response with Secured Data is returned last or only additional data response shall be '03 90 00'	RQ04_0101, RQ04_0201, RQ04_0304

6.4.1.9 Test case 9: A command session with multiple commands (CREATE FILE, RESIZE FILE, DELETE FILE)

6.4.1.9.1 Initial Conditions

• None.

6.4.1.9.2 Test Procedure

Step	Description	Expected Result	RQ
1	Send Command with Secured Data to the UICC Shared File System Remote File Management application, which contains: - SELECT: DFTEST - CREATE FILE: EFXX	Response with Secured Data is returned last or only additional data response shall be '02 90 00'	RQ04_0101, RQ04_0201, RQ04_0304
2	Send Command with Secured Data to the UICC Shared File System Remote File Management application, which contains: - SELECT: DFTEST - SELECT: EFXX - READ BINARY	Response with Secured Data is returned last or only additional data response shall be '03 90 00' and contain all data of EF _{XX} starting with 'FF FF FF FF FF' data bytes	RQ04_0101, RQ04_0201, RQ04_0304
3	Send Command with Secured Data to the UICC Shared File System Remote File Management application, which contains: - SELECT: DFTEST - RESIZE FILE: EFXX - SELECT: EFXX - READ BINARY	Response with Secured Data is returned last or only additional data response shall be '04 90 00' and contain all data of EFTARU starting with 'FF FF FF'	RQ04_0101, RQ04_0201, RQ04_0304
4	Send Command with Secured Data to the UICC Shared File System Remote File Management application, which contains: - SELECT: DF _{TEST} - DELETE FILE: EF _{XX}	Response with Secured Data is returned last or only additional data response shall be '03 90 00'	RQ04_0101, RQ04_0201, RQ04_0304

Step	Description	Expected Result	RQ
5	Send Command with Secured Data	Response with Secured Data is returned	RQ04_0101,
	to the UICC Shared File System Remote File	last or only additional data response shall	RQ04_0201,
	Management application, which contains:	be '02 6A 82'	RQ04_0304
	- SELECT: DFTEST		
	- SELECT: EFxx		

6.4.2 ADF Remote File Management

6.4.2.1 Test case 1: A command session with a single SELECT command. Check access to the file tree

6.4.2.1.1 Initial Conditions

• None.

6.4.2.1.2 Test Procedure

Step	Description	Expected Result	RQ
1	Send Command with Secured Data to the ADF	Response with Secured Data is returned	RQ04_0406,
	Remote File Management application which	last or only additional data response shall	RQ04_0407,
	contains:	be '02 90 00'	RQ04_0409,
	- SELECT: DFTESTB		RQ04_0410
	- SELECT: EF _{TARUB} (see note)		
2	Send Command with Secured Data	Response with Secured Data is returned	RQ04_0408,
	to the ADF Remote File Management application,	last or only additional data response shall	RQ04_0409,
	which contains:	be '01 90 00'	RQ04_0410
	 SELECT by path from MF: EFTARU 		
NOTE:	SELECT command is executed as SELECT by FII	D.	

6.4.2.2 Test case 2: A command session with multiple commands (SELECT, UPDATE BINARY, READ BINARY)

6.4.2.2.1 Initial Conditions

• None.

6.4.2.2.2 Test Procedure

Step	Description	Expected Result	RQ
1	Send Command with Secured Data	Response with Secured Data is returned	RQ04_0409,
	to the ADF Remote File Management application,	last or only additional data response shall	RQ04_0410
	which contains:	be '03 90 00'	
	- SELECT: DF _{TESTB}		
	- SELECT: EFTARUB		
	 UPDATE BINARY with data '01 01 01' 		
2	Send Command with Secured Data	Response with Secured Data is returned	RQ04_0403,
	to the ADF Remote File Management application,	last or only additional data response shall	RQ04_0409,
	which contains:	be '03 90 00' and contain all data of	RQ04_0410
	- SELECT: DF _{TESTB}	EF _{TARUB} starting with '01 01 01' until the	
	- SELECT: EFTARUB	end of file	
	 READ BINARY with P3/Le = '00' 		

6.4.2.3 Test case 3: A command session with multiple commands (SEARCH RECORD, UPDATE RECORD, INCREASE, READ RECORD)

6.4.2.3.1 Initial Conditions

• None.

6.4.2.3.2 Test Procedure

Step	Description	Expected Result	RQ
1	Send Command with Secured Data to the ADF Remote File Management application, which contains: - SELECT by path: EF _{CY4R4b} - UPDATE RECORD with data '01 01 01 01' with P2 set to PREVIOUS mode	Response with Secured Data is returned last or only additional data response shall be '02 90 00'	RQ04_0201, RQ04_0409, RQ04_0410
2	Send Command with Secured Data to the ADF Remote File Management application, which contains: - SELECT by path: EF _{CY4R4b} - SEARCH RECORD with data '01 01 01 01'	Response with Secured Data is returned last or only additional data response shall be '02 90 00' and contain '01' data byte	RQ04_0201, RQ04_0409, RQ04_0410
3	Send Command with Secured Data to the ADF Remote File Management application, which contains: - SELECT by path: EF _{CY4R4b} - READ RECORD with P3/Le = '00'	Response with Secured Data is returned last or only additional data response shall be'02 90 00 ' and contain '01 01 01 01' data bytes	RQ04_0201, RQ04_0202, RQ04_0409, RQ04_0410
4	Send Command with Secured Data to the ADF Remote File Management application, which contains: - SELECT by path: EF _{CY4R4b} - INCREASE with data '01 01 01 01' - GET RESPONSE	Response with Secured Data is returned last or only additional data response shall be '03 90 00' and contain '02 02 02 02 01 01 01 01' data bytes	RQ04_0409, RQ04_0410

6.4.2.4 Test case 4: A command session with multiple commands (SET DATA, RETRIEVE DATA)

6.4.2.4.1 Initial Conditions

None.

6.4.2.4.2 Test Procedure

Step	Description	Expected Result	RQ
1	Send Command with Secured Data	Response with Secured Data is returned	RQ04_0101,
	to the ADF Remote File Management application,	last or only additional data response shall	RQ04_0201,
	which contains:	be '02 90 00'	RQ04_0409,
	 SELECT by path: EF_{BER-TLV} 		RQ04_0410
	- SET DATA with '81 02 01 01'		
2	Send Command with Secured Data	Response with Secured Data is returned	RQ04_0101,
	to the ADF Remote File Management application,	last or only additional data response shall	RQ04_0201,
	which contains:	be'03 90 00' and contain '81 02 01 01'	RQ04_0204,
	- SELECT by path: EFBER-TLV	data bytes	RQ04_0409,
	 RETRIEVE DATA with P3/Le = '00'and 		RQ04_0410
	Tag value '81'		
	- GET RESPONSE		

6.4.2.5 Test case 5: A command session with multiple commands (ACTIVATE FILE, DEACTIVATE FILE)

6.4.2.5.1 Initial Conditions

• None.

6.4.2.5.2 Test Procedure

Step	Description	Expected Result	RQ
1	Send Command with Secured Data to the ADF Remote File Management application, which contains: - SELECT: DFTESTB - SELECT: EFTARUB - ACTIVATE FILE	Response with Secured Data is returned last or only additional data response shall be '03 90 00'	RQ04_0101, RQ04_0409, RQ04_0410
2	Send Command with Secured Data to the ADF Remote File Management application, which contains: - SELECT: DFTESTB - SELECT: EFTARUB - DEACTIVATE FILE	Last or only additional data response shall be '03 90 00'	RQ04_0101, RQ04_0409, RQ04_0410
3	Send Command with Secured Data to the ADF Remote File Management application, which contains: - SELECT: DFTESTB - SELECT: EFTARUB - READ BINARY	Response with Secured Data is returned last or only additional data response shall be '03 69 85'	RQ04_0409, RQ04_0410

6.4.2.6 Test case 6: A command session with multiple commands (VERIFY PIN, CHANGE PIN)

6.4.2.6.1 Initial Conditions

• None.

6.4.2.6.2 Test Procedure

Step	Description	Expected Result	RQ
1	Send Command with Secured Data to the ADF Remote File Management application, which contains: - SELECT by path: EFTUACP - VERIFY PIN with PIN = '31 31 31 31 FF FF FF FF'	Response with Secured Data is returned last or only additional data response shall be '02 90 00'	RQ04_0101, RQ04_0201, RQ04_0409, RQ04_0410
2	Send Command with Secured Data to the ADF Remote File Management application, which contains: - SELECT by path: EFTPRU - VERIFY PIN with PIN = '31 31 31 31 FF FF FF FF' - READ BINARY	Response with Secured Data is returned last or only additional data response shall be '02 90 00', and contain all data of EF _{TPRU}	RQ04_0409, RQ04_0410
3	Send Command with Secured Data to the ADF Remote File Management application, which contains: - SELECT by path: EFTUACP - CHANGE PIN with data = '31 31 31 31 FF FF FF FF 32 32 32 32 FF FF FF FF' - VERIFY PIN with PIN = '32 32 32 32 FF FF FF FF'	Response with Secured Data is returned last or only additional data response shall be '03 90 00'	RQ04_0101, RQ04_0201, RQ04_0409, RQ04_0410

6.4.2.7 Test case 7: A command session with multiple commands (DISABLE PIN, ENABLE PIN)

6.4.2.7.1 Initial Conditions

• None.

6.4.2.7.2 Test Procedure

Step	Description	Expected Result	RQ
1	Send Command with Secured Data to the ADF Remote File Management application, which contains: - SELECT by path: EFTUACP - DISABLE PIN with PIN = '31 31 31 31 FF FF FF FF'	Response with Secured Data is returned last or only additional data response shall be '02 90 00'	RQ04_0101, RQ04_0201, RQ04_0409, RQ04_0410
2	Send Command with Secured Data to the ADF Remote File Management application, which contains: - SELECT by path: EF _{TUACP} - VERIFY PIN with PIN = '31 31 31 31 FF FF FF FF'	Response with Secured Data is returned last or only additional data response shall be '02 69 83' or any other security error SW	RQ04_0101, RQ04_0201, RQ04_0409, RQ04_0410
3	Send Command with Secured Data to the ADF Remote File Management application, which contains: - SELECT by path: EF _{TUACP} - ENABLE PIN with PIN = '31 31 31 31 FF FF FF FF'	Response with Secured Data is returned last or only additional data response shall be '02 90 00'	RQ04_0101, RQ04_0201, RQ04_0409, RQ04_0410
4	Send Command with Secured Data to the ADF Remote File Management application, which contains: - SELECT by path: EFTUACP - VERIFY PIN with PIN = '31 31 31 31 FF FF FF FF'	Response with Secured Data is returned last or only additional data response shall be '02 90 00'	RQ04_0101, RQ04_0201, RQ04_0409, RQ04_0410

6.4.2.8 Test case 8: A command session with multiple commands (UNBLOCK PIN)

6.4.2.8.1 Initial Conditions

• None.

6.4.2.8.2 Test Procedure

Step	Description	Expected Result	RQ
1	Send Command with Secured Data to the ADF Remote File Management application, which contains: - SELECT by path: EFTUACP - VERIFY PIN with PIN = '30 30 30 30 FF FF FF FF'	Response with Secured Data is returned last or only additional data response shall be '02 63 C2'	RQ04_0101, RQ04_0201, RQ04_0409, RQ04_0410
2	Send Command with Secured Data to the ADF Remote File Management application, which contains: - SELECT by path: EFTUACP - VERIFY PIN with PIN = '30 30 30 30 FF FF FF FF'	Response with Secured Data is returned last or only additional data response shall be '02 63 C1'	RQ04_0101, RQ04_0201, RQ04_0409, RQ04_0410
3	Send Command with Secured Data to the ADF Remote File Management application, which contains: - SELECT by path: EFTUACP - VERIFY PIN with PIN = '30 30 30 30 FF FF FF FF'	Response with Secured Data is returned last or only additional data response shall be '02 63 C0'	RQ04_0101, RQ04_0201, RQ04_0409, RQ04_0410

Step	Description	Expected Result	RQ
4	Send Command with Secured Data to the ADF Remote File Management application, which contains: - SELECT by path: EFTUACP - VERIFY PIN with PIN = '30 30 30 30 FF FF FF FF'	Response with Secured Data is returned last or only additional data response shall be '02 63 C0' or '03 69 83'	RQ04_0101, RQ04_0201, RQ04_0409, RQ04_0410
5	Send Command with Secured Data to the ADF Remote File Management application, which contains: - SELECT by path: EF _{TUACP} - UNBLOCK PIN with Data = '33 33 33 33 FF FF FF FF 34 34 34 FF FF FF FF'	Response with Secured Data is returned last or only additional data response shall be '02 90 00'	RQ04_0101, RQ04_0201, RQ04_0409, RQ04_0410
6	Send Command with Secured Data to the ADF Remote File Management application, which contains: - SELECT by path: EFTUACP - VERIFY PIN with PIN = '34 34 34 34 FF FF FF FF'	Response with Secured Data is returned last or only additional data response shall be '02 90 00'	RQ04_0101, RQ04_0201, RQ04_0409, RQ04_0410

6.4.2.9 Test case 9: A command session with multiple commands (CREATE FILE, RESIZE FILE, DELETE FILE)

6.4.2.9.1 Initial Conditions

• None.

6.4.2.9.2 Test Procedure

Step	Description	Expected Result	RQ
1	Send Command with Secured Data to the ADF Remote File Management application, which contains: - SELECT: DFTESTB - CREATE FILE: EFXX	Response with Secured Data is returned last or only additional data response shall be '02 90 00'	RQ04_0101, RQ04_0201, RQ04_0409
2	Send Command with Secured Data to the ADF Remote File Management application, which contains: - SELECT: DFTESTB - SELECT: EFXX READ BINARY	Response with Secured Data is returned last or only additional data response shall be '03 90 00' and contain all data of EFxx starting with 'FF FF FF FF FF' data bytes	RQ04_0101, RQ04_0201, RQ04_0409
3	Send Command with Secured Data to the ADF Remote File Management application, which contains: - SELECT: DFTESTB - RESIZE FILE: EFXX - SELECT: EFXX READ BINARY	Response with Secured Data is returned last or only additional data response shall be '04 90 00' and contain all data of EFxx starting with 'FF FF FF' data bytes	RQ04_0101, RQ04_0201, RQ04_0409
4	Send Command with Secured Data to the ADF Remote File Management application, which contains: - SELECT: DFTESTB DELETE FILE: EFXX	Response with Secured Data is returned last or only additional data response shall be '3 90 00'	RQ04_0101, RQ04_0201, RQ04_0409
5	Send Command with Secured Data to the ADF Remote File Management application, which contains: - SELECT: DFTESTB - SELECT: EFXX	Response with Secured Data is returned last or only additional data response shall be '02 6A 82'	RQ04_0101, RQ04_0201, RQ04_0409

6.4.3 RFM implementation over HTTPS

The content of this clause is FFS.

6.5 Remote Application Management (RAM)

6.5.1 DELETE

6.5.1.1 Test case 1: DELETE command

6.5.1.1.1 Initial Conditions

• Test application with AID1 have been successfully installed.

6.5.1.1.2 Test Procedure

Step	Description	Expected Result	RQ
1	Send Command with Secured Data to the Test Application with AID1 which contains a command: - '00 01 00 00'	Response with Secured Data is returned to the sending entity containing '01 90 00'	RQ01_0002, RQ01_0004, RQ01_0007,
			RQ02_0201
2	Send Command with Secured Data to the ISD which contains: - DELETE with AID1 - GET RESPONSE	Response with Secured Data is returned to the sending entity containing '02 90 00' and contain '00' data byte	RQ01_0002, RQ01_0004, RQ01_0007 RQ05_0109 RQ05_0301 RQ05_0401
			· –
3	Send Command with Secured Data to the Test Application with AID1 which contains a command: • '00 01 00 00'	Response with Secured Data is returned to the sending entity containing SW = '6X XX' with Response Status Code in the additional data expected = '09' TAR unknown	RQ05_0101 RQ05_0401 RQ05_0402

6.5.2 SET STATUS

6.5.2.1 Test case 1: SET STATUS command within a command session

6.5.2.1.1 Initial Conditions

• Prepare for install of the Test Application with AID1 using the load() and install(for load) methods.

6.5.2.1.2 Test Procedure

Step	Description	Expected Result	RQ
1	Send Command with Secured Data to the ISD,	Response with Secured Data	RQ01_0002,
	which contains:	is returned to the sending	RQ01_0004,
	 INSTALL[for install and make selectable] 	entity containing	RQ01_0007,
	the Test Application with AID1	'02 90 00'	RQ02_0201
	 SET STATUS to lock the applet with AID1 		
			RQ05_0501RQ05_0109
			RQ05_0301

Step	Description	Expected Result	RQ	
2	Send Command with Secured Data to the Test	Response with Secured Data	RQ01_0002,	
	Application with AID1, which contains:	is returned to the sending	RQ01_0004,	
	- '00 01 00 00'	entity containing	RQ01_0007,	
		SW = '6X XX' with Response	RQ02_0201	
		Status Code in the additional		
		data expected = '09' TAR	RQ05_0501	
		unknown (see note)	RQ05_0109	
			RQ05_0301	
NOTE:	E: In case of HTTPS the response is "unknown application".			

6.5.3 INSTALL

6.5.3.1 INSTALL [for load]

6.5.3.1.1 Test case 1: INSTALL [for load] as a single command in the session

6.5.3.1.1.1 Initial Conditions

• None.

6.5.3.1.1.2 Test Procedure

Step	Description	Expected Result	RQ
1	Send Command with Secured Data to the ISD which	Response with Secured Data is	RQ01_0007,
	contains:	returned,	
	 INSTALL (for load) command with Load File AID1 	last or only additional data	RQ05_0101
		response shall be '01 90 00 00'	RQ05_0109,
			RQ05 0301
			_
			RQ05_0302
			RQ05_0601

6.5.3.1.2 Test case 2: INSTALL[for load] with memory management parameters

6.5.3.1.2.1 Initial Conditions

• None.

6.5.3.1.2.2 Test Procedure

Step	Description	Expected Result	RQ
1	Send Command with Secured Data to the TAR of the ISD	Response with Secured Data is	RQ05_0101
	which contains:	returned,	RQ05_0601
	 INSTALL [for load] with Load File AID1 	last or only additional data	RQ05_0701,
	The System Specific parameters "Non volatile	response shall be '02 90 00 00'	RQ05_0702,
	code space limit" (Tag 'C6'), "Volatile data space		RQ05_0703
	limit" (Tag 'C7') and "Non volatile data space		
	limit" (Tag 'C8') should be set		
	Params = 'EF 0C		
	C6 02 FF FF		
	C7 02 FF FF		
	C8 02 FF FF'		
	- LOAD		
2	Send Command with Secured Data to the ISD, which	Response with Secured Data is	RQ05_0101
	contains:	returned,	RQ05_0605
	 INSTALL[for install and make selectable] with 	last or only additional data	
	AID1	response shall be '02 90 00 00'	

Step	Description	Expected Result	RQ
3	Send Command with Secured Data to the Test Application	Response with Secured Data is	RQ05_0101
	with AID1 which contains:	returned, last or only additional	RQ05_0701
	- '00 01 00 00'	data response shall be '01 90 00'	

6.5.3.2 INSTALL [for install]

6.5.3.2.1 Test case 1: INSTALL[for install] with SIM File Access and Toolkit Application Specific Parameters

6.5.3.2.1.1 Initial Conditions

• Prepare for install of the 'Test Application AID2' using the load() and install(for load) methods.

6.5.3.2.1.2 Test Procedure

Step	Description	Expected Result	RQ
1	Send Command with Secured Data to the ISD, which	Response with Secured Data is	RQ01_0007,
	contains:	returned,	RQ05_0109,
	- INSTALL[for install] with AID2	last or only additional data	
	The "SIM File Access and Toolkit Application Specific	response shall be '02 90 00 00'	RQ05_0101
	Parameters" TLV object (Tag 'CA') included in the "System		
	Specific Parameters" (Tag 'EF') should be set. The MSL		
	length should be set to '00'.		RQ05_0601
	Params = 'EF 1A		RQ05_0801
	C8 02 FF FF		RQ05_0802
	C7 02 FF FF		RQ05_0901
	CA 10 01 FF 01 00 10 02 01 01 03 02 00		RQ05_0902
	00 03 TAR006'		RQ05_0903
	- INSTALL[for make selectable] with AID2		
2	Send Command with Secured Data to the Test Application	Response with Secured Data is	RQ05_0601
	with AID2 which contains:	returned,	RQ05_0803
	- '00 01 00 00'	last or only additional data	
		response shall be '01 90 00'	RQ05_0802
			RQ05_0901

6.5.3.2.2 Test case 2: INSTALL[for install] with UICC System Specific Parameters and SIM File Access and Toolkit Application Specific Parameters

6.5.3.2.2.1 Initial Conditions

• Prepare for install of the 'Test Application AID4' using the load() and install(for load) methods.

6.5.3.2.2.2 Test Procedure

Step	Description	Expected Result	RQ
1	Send Command with Secured Data to the ISD, which	Response with Secured Data is	RQ05_0901
	contains:	returned,	RQ05_0902
	INSTALL[for install] with AID4	last or only additional data	RQ05_0903
	The UICC System Specific Parameters (Tag 'EA') and the	response shall be '01 6A 80'	RQ05_1001
	"SIM File Access and Toolkit Application Specific		RQ05_1101
	Parameters" TLV object (Tag 'CA') should be set:		RQ05_1102
	Params = 'EF 1A		RQ05_1104
	C8 02 FFFF		
	C7 02 FFFF		
	CA 10 01 FF 01 00 10 02 01 01 03 02 00		
	00 03 TAR010		
	EA 11		
	80 0F 01 00 10 02 0101 0302 00 00 03		
	TAR010 00'		
	INSTALL[for make selectable] with AID20		
2	Send Command with Secured Data to the Test Application	SW = '6X XX' with Response	RQ05_1001
	with AID4 which contains:	Status Code in the additional data	
	- '00 01 00 00'	expected = '09' TAR unknown	
		(CAT-TP/SMS), or "unknown	
		application" (HTTPS)	

6.5.3.2.3 Test case 3: INSTALL[for install] with UICC System Specific Parameter "UICC Toolkit Application specific parameters field"

6.5.3.2.3.1 Initial Conditions

• Prepare for install of the 'Test Application AID3' using the load() and install(for load) methods.

6.5.3.2.3.2 Test Procedure

Step	Description	Expected Result	RQ
1	Send Command with Secured Data to the ISD,	Response with Secured Data is	RQ05_0801
	which contains:	returned,	RQ05_0802
	- INSTALL[for install] with AID3	last or only additional data response	RQ05_0807
	The UICC System Specific Parameter "UICC Toolkit	shall be '02 90 00 00'	RQ05_1002
	Application specific parameters field" (Tag '80')		RQ05_1101
	should be set. The MSL length should be set to '00':		RQ05_1102
	Params = 'EF 08		RQ05_1104
	C8 02 FF FF		RQ05_1601
	C7 02 FF FF		
	EA 11		
	80 0F 01 00 10 02 01 01 03 02 00		
	00 03 TAR008 00'		
	- INSTALL[for make selectable] with AID3		
2	Send Command with Secured Data to the Test	Response with Secured Data is	RQ05_1101
	Application with AID3 which contains:	returned,	
	- '00 01 00 00'	last or only additional data response	
		shall be '01 90 00'	

6.5.3.2.4 Test case 4: INSTALL[for install] with UICC System Specific Parameter "UICC Access Application specific parameters field"

6.5.3.2.4.1 Initial Conditions

• Prepare for install of the 'Test Application AID8' using the load() and install(for load) methods.

6.5.3.2.4.2 Test Procedure

Step	Description	Expected Result	RQ
1	Send Command with Secured Data to the ISD,	Response with Secured Data is	RQ05_1002
	which contains:	returned,	RQ05_1201
	- INSTALL[for install] with AID8	last or only additional data response	RQ05_1202
	The UICC System Specific Parameter "UICC	shall be '02 90 00 00'	
	Access Application specific parameters field" (Tag		
	'81') should be set:		
	Params = 'EA 13		
	80 0B 01 00 10 00 00 00 03		
	TAR014 00		
	81 04 00 01 FF 00'		
	- INSTALL[for make selectable] with AID8		
2	Send Command with Secured Data to the Test	Response with Secured Data is	RQ05_1201
	Application with AID8 which contains:	returned,	
	- '00 01 00 00'	last or only additional data response	
		shall be '01 90 00'	

6.5.3.2.5 Test case 5: INSTALL[for install] with UICC System Specific Parameter "UICC Administrative Access Application specific parameters field"

6.5.3.2.5.1 Initial Conditions

• Prepare for install of the 'Test Application AID5' using the load() and install(for load) methods.

6.5.3.2.5.2 Test Procedure

Step	Description	Expected Result	RQ
1	Send Command with Secured Data coded as	Response with Secured Data is	RQ05_1002
	Compact Remote command structure to the ISD,	returned, last or only additional data	RQ05_1401
	which contains:	response shall be '02 90 00 00'	RQ05_1402
	- INSTALL[for install] with AID5		
	The UICC System Specific Parameter "UICC		
	Administrative Access Application specific		
	parameters field" (Tag '82') should be set:		
	Params = 'EA 13		
	80 0B 01 00 10 00 00 00 03		
	TAR011 00		
	82 04 00 01 FF 00'		
	- INSTALL[for make selectable] with AID5		
2	Send Command with Secured Data to the Test	Response with Secured Data is	RQ05_1401
	Application with AID5 which contains:	returned, last or only additional data	
	- '00 01 00 00'	response shall be '01 90 00'	

6.5.3.2.6 Test case 6: INSTALL[for install] with UICC System Specific Parameter "UICC Access Application specific parameters field" and "UICC Administrative Access Application specific parameters field" for the same ADF

6.5.3.2.6.1 Initial Conditions

• Prepare for install of the 'Test Application AID18' using the load() and install(for load) methods.

6.5.3.2.6.2 Test Procedure

Step	Description	Expected Result	RQ
1	Send Command with Secured Data to the ISD, which contains: - INSTALL[for install] with AID18 The UICC System Specific Parameter "UICC Access Application specific parameters field" (Tag '81') and "UICC Administrative Access Application specific parameters field" (Tag '82') should be set: Params = 'EA 34 80 0B 01 00 10 00 00 00 03 TAR022 00 81 13 10 A000000090005FFFFFFFFF89E0000002 01 00 00 82 13 10 A0000000090005FFFFFFFFF89E0000002 01 00 00' - INSTALL[for make selectable] with AID18	Response with Secured Data is returned, last or only additional data response shall be '02 90 00 00'	RQ05_1003 RQ05_1201 RQ05_1202 RQ05_1401 RQ05_1402
2	Send Command with Secured Data to the Test Application with AID18 with: - '00 01 00 00'	Response with Secured Data is returned, last or only additional data response shall be '01 90 00'	RQ05_1003
3	Send Command with Secured Data coded as [Compact Remote command structure] to the ADF Remote File Management application, which contains: - SELECT: DFTESTB - SELECT: EFTARUB - UPDATE BINARY with data '01 01 01'	Response with Secured Data is returned, last or only additional data response shall be '03 90 00' with response data containing all data of EF _{TARUB} starting with '01 01 01' until the end of file	RQ05_1003

6.5.3.2.7 Test case 7: INSTALL[for install] with UICC System Specific Parameter "UICC Access Application specific parameters field" and "UICC Administrative Access Application specific parameters field" for the same UICC file system

6.5.3.2.7.1 Initial Conditions

• Prepare for install of the 'Test Application AID18' using the load() and install(for load) methods

6.5.3.2.7.2 Test Procedure

Step	Description	Expected Result	RQ
1	Send Command with Secured Data to the TAR value of the ISD, which contains: - INSTALL[for install] with AID18 The UICC System Specific Parameter "UICC Access Application specific parameters field" (Tag '81') and "UICC Administrative Access Application specific parameters field" (Tag '82') should be set: Params = 'EA 19 80 0B 01 00 10 00 00 00 03 TAR022 00 81 04 00 01 00 00 82 04 00 01 00 00' - INSTALL[for make selectable] with AID18	Response with Secured Data is returned, last or only additional data response shall be '02 90 00 00'	RQ05_1004 RQ05_1201 RQ05_1202 RQ05_1401 RQ05_1402
2	Send Command with Secured Data to the Test Application with AID18 with: - '00 01 00 00'	Response with Secured Data is returned, last or only additional data response shall be '01 90 00'	RQ05_1004
3	Send Command with Secured Data to the UICC Shared File System Remote File Management application, which contains: - SELECT: DF _{TEST} - SELECT: EF _{TARU} - READ BINARY with P3/Le = '00'	Response with Secured Data is returned, last or only additional data response shall be '03 90 00' with response data containing all data of EFTARU starting with '01 01 01' until the end of file.	RQ05_1004

6.5.3.2.8 Test case 8: INSTALL[for install] with the maximum number of timers required for SIM Toolkit Application Specific Parameters set too high ('09')

6.5.3.2.8.1 Initial Conditions

• Prepare for install of the 'Test Application AID2' using the load() and install(for load) methods.

6.5.3.2.8.2 Test Procedure

Step	Description	Expected Result	RQ
1	Send Command with Secured Data to the ISD, which contains: - INSTALL[for install] with AID2 The maximum number of timers required for Toolkit Application Specific Parameters should be set to '09': Params = 'EF 12 CA 10 01 FF 01 09 10 02 01 01 03 02 00 00 03 TAR006' - INSTALL[for make selectable] with AID2	Response with Secured Data is returned, last or only additional data response shall be '01 6A 80'	RQ05_0901 RQ05_0902 RQ05_0903 RQ05_1501
2	Send Command with Secured Data to the Test Application with AID2 which contains: - '00 01 00 00'	Response with Secured Data is returned: SW = '6X XX' with Response Status Code in the additional data expected = '09' TAR unknown (CAT- TP/SMS), or "unknown application" (HTTPS)	RQ05_1501

6.5.3.2.9 Test case 9: INSTALL[for install] with the maximum number of timers required for UICC Toolkit Application Specific Parameters set too high ('09')

6.5.3.2.9.1 Initial Conditions

• Prepare for install of the 'Test Application AID3' using the load() and install(for load) methods.

6.5.3.2.9.2 Test Procedure

Step	Description	Expected Result	RQ
1	Send Command with Secured Data to the ISD, which contains:	Response with	RQ05_1101
	- INSTALL[for install] with AID3	Secured Data is	RQ05_1102
	The maximum number of timers required for Toolkit Application Specific	returned, last or	RQ05_1104
	Parameters should be set to '09':	only additional data	RQ05_1501
	Params = 'EA 11	response shall be	
	80 0F 01 09 10 02 0101 0302 00 00 03 TAR008 00'	'01 6A 80'	
	- INSTALL[for make selectable] with AID3		
2	Send Command with Secured Data to the Test Application with AID3	Response with	RQ05_1501
	which contains:	Secured Data is	
	- '00 01 00 00'	returned:	
		SW = '6X XX' with	
		Response Status	
		Code in the	
		additional data	
		expected = '09' TAR	
		unknown (CAT-	
		TP/SMS), or	
		"unknown	
		application"	
		(HTTPS)	

6.5.3.2.10 Test case 10: INSTALL[for install] with the maximum number of channels required for SIM Toolkit Application Specific Parameters set too high ('08')

6.5.3.2.10.1 Initial Conditions

• Prepare for install of the 'Test Application AID2' using the load() and install(for load) methods.

6.5.3.2.10.2 Test Procedure

Step	Description	Expected Result	RQ
1	Send Command with Secured Data to the ISD, which contains:	Response with Secured	RQ05_0901
	- INSTALL[for install] with AID2	Data is returned, last or	RQ05_0902
	The maximum number of channels required for Toolkit Application	only additional data	RQ05_0903
	Specific Parameters should be set to '08':	response shall be '01 6A	RQ05_1502
	Params = 'EF 12	80'	
	CA 10 01 FF 01 00 10 02 01 01 03 02 00 08 03		
	TAR006'		
	- INSTALL[for make selectable] with AID2		
2	Send Command with Secured Data to the Test Application with	Response with Secured	RQ05_1502
	AID2 which contains:	Data is returned:	
	- '00 01 00 00'	SW = '6X XX' with	
		Response Status Code in	
		the additional data	
		expected = '09' TAR	
		unknown (CAT-TP/SMS),	
		or "unknown application"	
		(HTTPS)	

6.5.3.2.11 Test case 11: INSTALL[for install] with the maximum number of channels required for UICC Toolkit Application Specific Parameters set too high ('08')

6.5.3.2.11.1 Initial Conditions

• Prepare for install of the 'Test Application AID3' using the load() and install(for load) methods.

6.5.3.2.11.2 Test Procedure

Step	Description	Expected Result	RQ
1	Send Command with Secured Data to the ISD, which contains:	Response with Secured	RQ05_1101
	- INSTALL[for install] with AID3	Data is returned, last or	RQ05_1102
	The maximum number of channels required for Toolkit Application	only additional data	RQ05_1104
	Specific Parameters should be set to '08':	response shall be '01 6A	RQ05_1502
	Params = 'EA 11	80'	
	80 0F 01 00 10 02 0101 0302 08 00 03 TAR008		
	00'		
	- INSTALL[for make selectable] with AID3		
2	Send Command with Secured Data to the Test Application with	Response with Secured	RQ05_1502
	AID3 which contains:	Data is returned:	
	- '00 01 00 00'	SW = '6X XX' with	
		Response Status Code in	
		the additional data	
		expected = '09' TAR	
		unknown (CAT-TP/SMS),	
		or "unknown application"	
		(HTTPS)	

6.5.3.2.12 Test case 12: INSTALL[for install] with the maximum number of services required for UICC Toolkit Application Specific Parameters set too high ('09')

6.5.3.2.12.1 Initial Conditions

• Prepare for install of the 'Test Application AID3' using the load() and install(for load) methods.

6.5.3.2.12.2 Test Procedure

Step	Description	Expected Result	RQ
1	Send Command with Secured Data to the ISD, which contains:	Response with Secured	RQ05_1101
	- INSTALL[for install] with AID3	Data is returned, last or	RQ05_1102
	The maximum number of services required for Toolkit Application	only additional data	RQ05_1104
	Specific Parameters should be set to '09':	response shall be '01 6A	RQ05_1503
	Params = 'EA 11	80'	
	80 0F 01 00 10 02 0101 0302 08 00 03 TAR008		
	09'		
	- INSTALL[for make selectable] with AID3		
2	Send Command with Secured Data to the Test Application with	Response with Secured	RQ05_1503
	AID3 which contains:	Data is returned:	
	- '00 01 00 00'	SW = '6X XX' with	
		Response Status Code in	
		the additional data	
		expected = '09' TAR	
		unknown (CAT-TP/SMS),	
		or "unknown application"	
		(HTTPS)	

6.5.3.2.13 Test case 13: INSTALL[for install] with requested item identifier for SIM Toolkit Application Specific Parameters set to '128'

6.5.3.2.13.1 Initial Conditions

• Prepare for install of the 'Test Application AID2' using the load() and install(for load) methods.

6.5.3.2.13.2 Test Procedure

Step	Description	Expected Result	RQ
1	Send Command with Secured Data to the ISD, which contains:	Response with Secured	RQ05_0901
	- INSTALL[for install] with AID2	Data is returned, last or	RQ05_0902
	The requested item identifier for Toolkit Application Specific	only additional data	RQ05_0903
	Parameters should be set to '128':	response shall be '01 6X	RQ05_1506
	Params = 'EF 1A	XX' (6X XX is error SW)	
	C8 02 FFFF		
	C7 02 FFFF		
	CA 10 01 FF 01 00 10 02 01 01 03 80 00 00 03		
	TAR006'		
	- INSTALL[for make selectable] with AID2		
2	Send Command with Secured Data to the Test Application with	Response with Secured	RQ05_1506
	AID2which contains:	Data is returned:	
	- '00 01 00 00'	SW = '6X XX' with	
		Response Status Code in	
		the additional data	
		expected = '09' TAR	
		unknown (CAT-TP/SMS),	
		or "unknown application"	
		(HTTPS)	

6.5.3.2.14 Test case 14: INSTALL[for install] with requested item identifier for UICC Toolkit Application Specific Parameters set to '128'

6.5.3.2.14.1 Initial Conditions

• Prepare for install of the 'Test Application AID3' using the load() and install(for load) methods.

6.5.3.2.14.2 Test Procedure

Step	Description	Expected Result	RQ
1	Send Command with Secured Data to the ISD, which contains:	Response with Secured	RQ05_1101
	- INSTALL[for install] with AID3	Data is returned, last or	RQ05_1102
	The requested item identifier for Toolkit Application Specific	only additional data	RQ05_1104
	Parameters should be set to '128':	response shall be '01 6X	RQ05_1506
	Params = 'EA 11	XX' (6X XX is error SW)	
	80 0F 01 00 10 02 0101 03 80 00 00 03 TAR008	, ,	
	00'		
	- INSTALL[for make selectable] with AID3		
2	Send Command with Secured Data to the Test Application with	Response with Secured	RQ05_1506
	AID3which contains:	Data is returned:	
	- '00 01 00 00'	SW = '6X XX' with	
		Response Status Code in	
		the additional data	
		expected = '09' TAR	
		unknown (CAT-TP/SMS), or	
		"unknown application"	
		(HTTPS)	

6.5.3.2.15 Test case 15: INSTALL[for install] with Minimum Security Level field of SIM Toolkit Application different from zero

6.5.3.2.15.1 Initial Conditions

• Prepare for install of the 'Test Application AID2' using the load() and install(for load) methods.

6.5.3.2.15.2 Test Procedure

Step	Description	Expected Result	RQ
1			RQ05_1602
	- INSTALL[for install] with AID2		RQ05_1701
	MSL field should be set to '0102':	only additional data	RQ05_1801
	Params = 'EF 1C	response shall be '02 90	RQ05_1802
	C8 02 FFFF	00 00'	
	C7 02 FFFF		
	CA 12 01 FF 01 00 10 02 01 01 03 02 00 02 0101 03		
	TAR006'		
	- INSTALL[for make selectable] with AID2		
2	Send Command with Secured Data with SPI1 set to '02' to the Test	Response with Secured	RQ05_1802
	Application with AID2 with:	Data is returned, last or	RQ03_0104
	- '00 01 00 00'	only additional data	
		response shall be '01 90	
		00'	

6.5.3.2.16 Test case 16: INSTALL[for install] with Minimum Security Level field of UICC Toolkit Application different from zero

6.5.3.2.16.1 Initial Conditions

• Prepare for install of the 'Test Application AID3' using the load() and install(for load) methods.

6.5.3.2.16.2 Test Procedure

Step	Description	Expected Result	RQ
1	Send Command with Secured Data to the ISD, which contains:	Response with Secured	RQ05_1602
	- INSTALL[for install] with AID3	Data is returned, last or	RQ05_1701
	MSL field should be set to '0102':	only additional data	RQ05_1801
	Params = 'EA 11	response shall be '02 90	RQ05_1802
	80 0F 01 00 10 02 0101 0302 00 02 0101 03	00 00'	
	TAR008 00'		
	- INSTALL[for make selectable] with AID3		
2	Send Command with Secured Data with SPI1 set to '02' to the Test	Response with Secured	RQ05_1802
	Application with AID3 with:	Data is returned, last or	RQ03_0104
	- '00 01 00 00'	only additional data	
		response shall be '01 90	
		00'	

6.5.3.2.17 Test case 17: INSTALL[for install] with Minimum Security Level field of SIM Toolkit Application different from SPI1

6.5.3.2.17.1 Initial Conditions

• Prepare for install of the 'Test Application AID2' using the load() and install(for load) methods.

6.5.3.2.17.2 Test Procedure

Step	Description	Expected Result	RQ
1	Send Command with Secured Data to the ISD, which contains: - INSTALL[for install] with AID2 MSL field should be set to '0106': Params = 'EF 1C C8 02 FF FF C7 02 FF FF CA 12 01 FF 01 00 10 02 01 01 03 02 00 02 0101 03 TAR006'	Response with Secured Data is returned, last or only additional data response shall be '02 90 00 00'	RQ05_1602 RQ05_1701 RQ05_1801 RQ05_1802
2	- INSTALL[for make selectable] with AID2 Send Command with Secured Data with SPI1 set to '02' to the Test Application with AID2 with: - '00 01 00 00'	Response with Secured Data is returned: SW = '6X XX' with Response Status Code in the additional data expected = '0A' 'Insufficient Security Level'	RQ05_1802 RQ03_0102

6.5.3.2.18 Test case 18: INSTALL[for install] with Minimum Security Level field of UICC Toolkit Application different from SPI1

6.5.3.2.18.1 Initial Conditions

• Prepare for install of the 'Test Application AID3' using the load() and install(for load) methods.

6.5.3.2.18.2 Test Procedure

Step	Description	Expected Result	RQ
1	Send Command with Secured Data to the ISD, which contains:	Response with	RQ05_1602
	- INSTALL[for install] with AID3	Secured Data is	RQ05_1701
	MSL field should be set to '0106':	returned, last or only	RQ05_1801
	Params = 'EA 11	additional data	RQ05_1802
	80 0F 01 00 10 02 0101 0302 00 02 0101 03	response shall be '02	
	TAR008 00'	90 00 00'	
	- INSTALL[for make selectable] with AID3		

Step	Description	Expected Result	RQ
2	Send Command with Secured Data with SPI1 set to '02' to the	Response with	RQ05_1802
	Test Application with AID3 with:	Secured Data is	RQ03_0102
	- '00 01 00 00'	returned:	
		SW = '6X XX' with	
		Response Status	
		Code in the additional	
		data expected = '0A'	
		'Insufficient Security	
		Level'	

6.5.3.2.19 Test case 19: INSTALL[for install] SIM Toolkit Applications with Access Domain Parameter equal to '00' and 'FF'

6.5.3.2.19.1 Initial Conditions

• Prepare for install of the 'Test Application AID6' and 'Test Application AID7' using the load() and install(for load) methods.

6.5.3.2.19.2 Test Procedure

Step	Description	Expected Result	RQ
1	Send Command with Secured Data to the ISD, which contains: - INSTALL[for install] with AID6 The Access Domain Parameter should be set to '00': Params = 'EF 15	Response with Secured Data is returned, last or only additional data response shall be '02 90 00 00'	RQ05_0901 RQ05_0903 RQ05_1901 RQ05_2001 RQ05_2004
2	Send Command with Secured Data to the Test Application with AID6 with: - '00 01 00 00'	Response with Secured Data is returned, last or only additional data response shall be '01 90 00'	RQ05_2001
3	Send Command with Secured Data to the UICC Shared File System Remote File Management application, which contains: - SELECT: DFTEST - SELECT: EFTARU - READ BINARY with P3/Le = '00'	Response with Secured Data is returned, last or only additional data response shall be '03 90 00' with response data containing all data of EFTARU starting with '01 01 01' until the end of file	RQ05_2001
4	Send Command with Secured Data to the ISD, which contains: - INSTALL[for install] with AID7 The Access Domain Parameter should be set to 'FF': Params = 'EF 15 C8 02 FF FF C7 02 FF FF CA 0B 01 FF 01 00 10 00 00 03 TAR013' - INSTALL[for make selectable] with AID7	Response with Secured Data is returned, last or only additional data response shall be '02 90 00 00'	RQ05_2004
5	Send Command with Secured Data to the Test Application with AID7 with: - '00 02 00 00'	Response with Secured Data is returned, last or only additional data response shall be '01 90 00'	RQ05_2004
6	Send Command with Secured Data to the UICC Shared File System Remote File Management application, which contains: - SELECT: DFTEST - SELECT: EFTARU - READ BINARY with P3/Le = '00'	Response with Secured Data is returned, last or only additional data response shall be '03 90 00' with response data containing all data of EF _{TARU} starting with '01 01 01' until the end of file	RQ05_2004 RQ03_0202

6.5.3.2.20 Test case 20: INSTALL[for install] UICC Toolkit Applications with Access Domain Parameter equal to '00' and 'FF'

6.5.3.2.20.1 Initial Conditions

 Prepare for install of the 'Test Application AID8' and 'Test Application AID9' using the load() and install(for load) methods.

6.5.3.2.20.2 Test Procedure

Step	Description	Expected Result	RQ
1	Send Command with Secured Data to the ISD, which contains: - INSTALL[for install] with AID8 The Access Domain Parameter should be set to '00': Params = 'EA 13 80 0B 01 00 10 00 00 00 03 TAR014 00 81 04 00 01 00 00' - INSTALL[for make selectable] with AID8	Response with Secured Data is returned, last or only additional data response shall be '02 90 00 00'	RQ05_1201 RQ05_1202 RQ05_1901 RQ05_2001 RQ05_2004
	Send Command with Secured Data to the Test Application with AID8 with: • - '00 01 00 00'	Response with Secured Data is returned, last or only additional data response shall be '01 90 00'	RQ05_2001
3	Send Command with Secured Data to the UICC Shared File System Remote File Management application, which contains: • - SELECT: DFTEST • - SELECT: EFTARU • - READ BINARY with P3/Le = '00'	Response with Secured Data is returned, last or only additional data response shall be '03 90 00' with response data containing all data of EFTARU starting with '01 01 01' until the end of file	RQ05_2001
4	Send Command with Secured Data to the ISD, which contains: - INSTALL[for install] with AID9 The Access Domain Parameter should be set to 'FF': Params = 'EA 13 80 0B 01 00 10 00 00 00 3 TAR015 00 81 04 00 01 FF 00' - INSTALL[for make selectable] with AID9	Response with Secured Data is returned, last or only additional data response shall be '02 90 00 00'	RQ05_2004
5	Send Command with Secured Data to the Test Application with AID9 with: • - '00 02 00 00'	Response with Secured Data is returned, last or only additional data response shall be '01 90 00'	RQ05_2004
6	Send Command with Secured Data to the UICC Shared File System Remote File Management application, which contains: • - SELECT: DFTEST • - SELECT: EFTARU • - READ BINARY with P3/Le = '00'	Response with Secured Data is returned, last or only additional data response shall be '03 90 00' with response data containing all data of EFTARU starting with '01 01 01' until the end of file.	RQ05_2004 RQ03_0202

6.5.3.2.21 Test case 21: INSTALL[for install] SIM Toolkit Application with Access Domain Parameter equal to '00' and access condition set to 'NEVER'

6.5.3.2.21.1 Initial Conditions

• Prepare for install of the 'Test Application AID6' using the load() and install(for load) methods.

6.5.3.2.21.2 Test Procedure

Step	Description	Expected Result	RQ
1	Send Command with Secured Data to the ISD, which contains: - INSTALL[for install] with AID6 The Access Domain Parameter should be set to '00': Params = 'EF 15 C8 02 FF FF C7 02 FF FF CA 0B 01 00 01 00 10 00 00 03 TAR012' - INSTALL[for make selectable] with AID6	Response with Secured Data is returned, last or only additional data response shall be '02 90 00 00'	RQ05_0901 RQ05_0903 RQ05_1901 RQ05_2002 RQ05_2003 RQ05_2005
2	Send Command with Secured Data to the Test Application with AID6 with: - '00 03 00 00'	Response with Secured Data is returned, last or only additional data response shall be '01 90 00'	RQ05_2005
3	Send Command with Secured Data to the UICC Shared File System Remote File Management application, which contains: - SELECT: EF _{TNU} - READ BINARY with P3/Le = '00'	Response with Secured Data is returned, last or only additional data response shall be '03 90 00 55 55 55' containing all data of EF _{TNU}	RQ05_2005 RQ03_0202

6.5.3.2.22 Test case 22: INSTALL[for install] UICC Toolkit Application with Access Domain Parameter equal to '00' and access condition set to 'NEVER'

6.5.3.2.22.1 Initial Conditions

• Prepare for install of the 'Test Application AID8' using the load() and install(for load) methods.

6.5.3.2.22.2 Test Procedure

Step	Description	Expected Result	RQ
1	Send Command with Secured Data to the ISD, which contains: - INSTALL[for install] with AID8 The Access Domain Parameter should be set to '00': Params = 'EA 13 80 0B 01 00 10 00 00 03 TAR014 00 81 04 00 01 00 00' - INSTALL[for make selectable] with AID8	returned, last or only additional data	RQ05_1201 RQ05_1202 RQ05_2002 RQ05_2003 RQ05_2005
2	Send Command with Secured Data to the Test Application with AID8 with: - '00 03 00 00'	Response with Secured Data is returned, last or only additional data response shall be '01 90 00'	RQ05_2005
3	Send Command with Secured Data to the UICC Shared File System Remote File Management application, which contains: - SELECT: DF _{TEST} - SELECT: EF _{TNU} - READ BINARY with P3/Le = '00'	Response with Secured Data is returned, last or only additional data response shall be '03 90 00 55 55 55' containing all data of EFTNU	RQ05_2005 RQ03_0202

6.5.3.2.23 Test case 23: INSTALL[for install] SIM Toolkit Application with Access Domain Parameter not supported

6.5.3.2.23.1 Initial Conditions

• Prepare for install of the 'Test Application AID2' using the load() and install(for load) methods.

6.5.3.2.23.2 Test Procedure

Step	Description	Expected Result	RQ
1	Send Command with Secured Data to the ISD, which contains: - INSTALL[for install] with AID2 The Access Domain Parameter should be set to '02' and the Access Domain Data should be set to '0000F4': Params = 'EF 18 C8 02 FF FF C7 02 FF FF CA 0E 04 02 00 00 F4 01 00 10 00 00 03 TAR012' INSTALL for make selectable with AID6	Response with Secured Data is returned, last or only additional data response shall be '01 6A 80'	RQ05_0901 RQ05_0903 RQ05_2006
2	- INSTALL[for make selectable] with AID6 Send Command with Secured Data to the Test Application with AID2 which contains: - '00 01 00 00'	Response with Secured Data is returned: SW = '6X XX' with Response Status Code in the additional data expected = '09' TAR unknown (CAT-TP/SMS), or "unknown application" (HTTPS)	RQ05_2006 RQ03_0202

6.5.3.2.24 Test case 24: INSTALL[for install] UICC Toolkit Application with Access Domain Parameter not supported

6.5.3.2.24.1 Initial Conditions

• Prepare for install of the 'Test Application AID8' using the load() and install(for load) methods.

6.5.3.2.24.2 Test Procedure

Step	Description	Expected Result	RQ
1	Send Command with Secured Data to the ISD, which contains:	Response with Secured	RQ05_1201
	- INSTALL[for install] with AID8	Data is returned, last or	RQ05_1202
	The Access Domain Parameter should be set to '01':	only additional data	RQ05_2006
	Params = 'EA 13	response shall be '01	
	80 0B 01 00 10 00 00 00 03 TAR014 00	6A 80'	
	81 04 00 01 01 00'		
	- INSTALL[for make selectable] with AID8		
2	Send Command with Secured Data to the Test Application with AID8	SW = '6X XX' with	RQ05_2006
	which contains:	Response Status Code	RQ03_0202
	- '00 01 00 00'	in the additional data	
		expected = '09' TAR	
		unknown (CAT-	
		TP/SMS), or "unknown	
		application" (HTTPS)	

6.5.3.2.25 Test case 25: INSTALL[for install] UICC Toolkit Application with Access Domain Parameter equal to '02'

6.5.3.2.25.1 Initial Conditions

• Prepare for install of the 'Test Application AID8' using the load() and install(for load) methods.

6.5.3.2.25.2 Test Procedure

Step	Description	Expected Result	RQ
1	Send Command with Secured Data to the ISD, which contains: - INSTALL[for install] with AID8 The Access Domain Parameter should be set to '02', the Access Domain Data should be set to '0000F4': Params = 'EA 16 80 0B 01 00 10 00 00 00 03 TAR014 00 81 07 00 04 02 00 00 F4 00' - INSTALL[for make selectable] with AID8	Response with Secured Data is returned, last or only additional data response shall be '02 90 00 00'	RQ05_1201 RQ05_1202 RQ05_2101
2	Send Command with Secured Data to the Test Application with AID8 with: - '00 01 00 00'	Response with Secured Data is returned, last or only additional data response shall be '01 90 00'	RQ05_2101
3	Send Command with Secured Data to the UICC Shared File System Remote File Management application, which contains: - SELECT: DF _{TEST} - SELECT: EF _{TARU} - READ BINARY with P3/Le = '00'	Response with Secured Data is returned, last or only additional data response shall be '03 90 00' with response data containing all data of EFTARU starting with '01 01 01' until the end of file	RQ05_2101 RQ03_0202

6.5.3.2.26 Test case 26: INSTALL[for install] SIM Toolkit Applications with Access Domain Parameter equal to '00' - independency from the PIN status at UICC-Terminal interface

6.5.3.2.26.1 Initial Conditions

• Prepare for install of the 'Test Application AID6' using the load() and install(for load) methods.

6.5.3.2.26.2 Test Procedure

Step	Description	Expected Result	RQ
1	Send Command with Secured Data to the ISD, which contains:	Response with Secured	RQ05_0901
	- INSTALL[for install] with AID6	Data is returned, last or	RQ05_0903
	The Access Domain Parameter should be set to '00':	only additional data	RQ05_2002
	Params = 'EF 15	response shall be '02	RQ05_2003
	C8 02 FF FF	90 00 00'	
	C7 02 FF FF		
	CA 0B 01 00 01 00 10 00 00 03 TAR012'		
	- INSTALL[for make selectable] with AID6		
2	Send Command with Secured Data	Response with Secured	RQ05_2002
	to the UICC Shared File System Remote File Management	Data is returned, last or	RQ05_2003
	application, which contains:	only additional data	
	- SELECT: DFTEST	response shall be '03	
	- SELECT: EFTUACP	63 C2'	
	 VERIFY PIN with PIN = '30 30 30 30 FF FF FF FF' 		
3	Send Command with Secured Data	Response with Secured	RQ05_2002
	to the UICC Shared File System Remote File Management	Data is returned, last or	RQ05_2003
	application, which contains:	only additional data	
	- SELECT: DFTEST	response shall be '03	
	- SELECT: EF _{TUACP}	63 C1'	
	 VERIFY PIN with PIN = '30 30 30 30 FF FF FF FF' 		
4	Send Command with Secured Data	Response with Secured	RQ05_2002
	to the UICC Shared File System Remote File Management	Data is returned, last or	RQ05_2003
	application, which contains:	only additional data	
	- SELECT: DFTEST	response shall be '03	
	- SELECT: EF _{TUACP}	63 C0'	
	 VERIFY PIN with PIN = '30 30 30 30 FF FF FF FF' 		

Step	Description	Expected Result	RQ
5	Send Command with Secured Data to the Test Application with AID6 with: - '00 04 00 00'	Response with Secured Data is returned, last or only additional data response shall be '01 90 00'	RQ05_2002 RQ05_2003
6	Send Command with Secured Data to the UICC Shared File System Remote File Management application, which contains: - SELECT: DF _{TEST} - SELECT: EF _{TUACP} - READ BINARY with P3/Le = '00'	Response with Secured Data is returned, last or only additional data response shall be '03 90 00' with response data containing all data of EF _{TUACP} starting with '01 01 01' until the end of file	RQ05_2002 RQ05_2003 RQ03_0201 RQ03_0202

6.5.3.2.27 Test case 27: INSTALL[for install] UICC Toolkit Applications with Access Domain Parameter equal to '00' - independency from the PIN status at UICC-Terminal interface

6.5.3.2.27.1 Initial Conditions

• Prepare for install of the 'Test Application AID8' using the load() and install(for load) methods.

6.5.3.2.27.2 Test Procedure

Step	Description	Expected Result	RQ
1	Send Command with Secured Data to the ISD, which contains:	Response with Secured	RQ05_1201
	- INSTALL[for install] with AID8	Data is returned, last or	RQ05_1202
	The Access Domain Parameter should be set to '00':	only additional data	RQ05_2002
	Params = 'EA 13	response shall be '02	RQ05_2003
	80 0B 01 00 10 00 00 00 03 TAR014 00	90 00 00'	
	81 04 00 01 00 00'		
	- INSTALL[for make selectable] with AID8		D005 0000
2	Send Command with Secured Data to the UICC Shared File System		RQ05_2002
	Remote File Management application, which contains:	Data is returned, last or	RQ05_2003
	- SELECT: DFTEST	only additional data	
	- SELECT: EF _{TUACP}	response shall be '03	
3	- VERIFY PIN with PIN = '30 30 30 FF FF FF FF'	63 C2'	DO05 2002
3	Send Command with Secured Data to the UICC Shared File System		RQ05_2002
	Remote File Management application, which contains:	Data is returned, last or	RQ05_2003
	- SELECT: DF _{TEST} - SELECT: EF _{TUACP}	only additional data response shall be '03	
	- SELECT. EFTUACE - VERIFY PIN with PIN = '30 30 30 30 FF FF FF FF'	63 C1'	
4	Send Command with Secured Data to the UICC Shared File System		RQ05_2002
7	Remote File Management application, which contains:	Data is returned, last or	RQ05_2002 RQ05_2003
	- SELECT: DFTEST	only additional data	11005_2005
	- SELECT: EFTUACP	response shall be '03	
	- VERIFY PIN with PIN = '30 30 30 30 FF FF FF FF'	63 C0'	
5	Send Command with Secured Data to the Test Application with AID8	I .	RQ05_2002
	with:	Data is returned, last or	RQ05_2003
	- '00 04 00 00'	only additional data	11400_2000
	0001000	response shall be '01	
		90 00'	
6	Send Command with Secured Data to the UICC Shared File System		RQ05_2002
	Remote File Management application, which contains:	Data is returned, last or	RQ05_2003
	- SELECT: DF _{TEST}	only additional data	RQ03_0201
	- SELECT: EFTUACP	response shall be '03	RQ03_0202
	- READ BINARY with P3/Le = '00'	90 00' with response	
		data containing all data	
		of EFTUACP starting with	
		'01 01 01' until the end	
		of file	

6.5.3.2.28 Test case 28: INSTALL[for install] of SIM Toolkit Applications with different Priority levels

6.5.3.2.28.1 Initial Conditions

• Prepare for install of the 'Test Application AID10' using the load() and install(for load) methods.

6.5.3.2.28.2 Test Procedure

Step	Description	Expected Result	RQ
1	Send Command with Secured Data to the ISD, which contains:	Response with Secured Data	RQ05_0901
	- INSTALL[for install] with AID10	is returned, last or only	RQ05_0903
	The Priority level should be set to '01':	additional data response shall	RQ05_2301
	Params = 'EF 15	be '02 90 00 00'	RQ05_2303
	C8 02 FF FF		
	C7 02 FF FF		
	CA 0B 01 FF 01 00 10 00 00 03 TAR016'		
	- INSTALL[for make selectable] with AID10		
2	Send Command with Secured Data to the ISD, which contains:	Response with Secured Data	RQ05_2301
	- INSTALL[for install] with AID11	is returned, last or only	
	The Priority level should be set to 'FF':	additional data response shall	
	Params = 'EF 15	be '02 90 00 00'	
	C8 02 FF FF		
	C7 02 FF FF		
	CA 0B 01 FF FF 00 10 00 00 03 TAR017'		
	- INSTALL[for make selectable] with AID11		
3	Start Proactive Session: Check Activation Priority	AID10 is triggered before	RQ05_2301
		AID11	

6.5.3.2.29 Test case 29: INSTALL[for install] of UICC Toolkit Applications with different Priority levels

6.5.3.2.29.1 Initial Conditions

• install(for load) method for 'Test Application AID12' and 'Test Application AID13' is performed successfully.

6.5.3.2.29.2 Test Procedure

Description	Expected Result	RQ
Send Command with Secured Data to the ISD, which contains:	Response with Secured Data	RQ05_1101
- INSTALL[for install] with AID12	is returned, last or only	RQ05_1102
The Priority level should be set to '01':	additional data response shall	RQ05_1104
Params = 'EA 0D	be '02 90 00 00'	RQ05_2301
80 0B 01 00 10 00 00 03 TAR018 00'		RQ05_2303
- INSTALL[for make selectable] with AID12		
Send Command with Secured Data to the ISD, which contains:	Response with Secured Data	RQ05_2301
- INSTALL[for install] with AID13	is returned, last or only	
The Priority level should be set to 'FF':	additional data response shall	
Params = 'EA 0D	be '02 90 00 00'	
80 0B FF 00 10 00 00 00 03 TAR019 00'		
- INSTALL[for make selectable] with AID13		
Start Proactive Session: Check Activation Priority	AID12 is triggered before	RQ05_2301
	Send Command with Secured Data to the ISD, which contains: - INSTALL[for install] with AID12 The Priority level should be set to '01': Params = 'EA 0D	Send Command with Secured Data to the ISD, which contains: - INSTALL[for install] with AID12 The Priority level should be set to '01': - Params = 'EA 0D - INSTALL[for make selectable] with AID12 Send Command with Secured Data to the ISD, which contains: - INSTALL[for make selectable] with AID12 Send Command with Secured Data to the ISD, which contains: - INSTALL[for install] with AID13 The Priority level should be set to 'FF': - Params = 'EA 0D - 80 0B FF 00 10 00 00 00 03 TAR019 00' - INSTALL[for make selectable] with AID13 The Priority level should be set to 'FF': - Response with Secured Data is returned, last or only additional data response shall be '02 90 00 00'

6.5.3.2.30 Test case 30: INSTALL[for install] SIM Toolkit Applets with same Priority levels

6.5.3.2.30.1 Initial Conditions

 Prepare for install of the 'Test Application AID10' and 'Test Application AID11' using the load() and install(for load) methods.

6.5.3.2.30.2 Test Procedure

Description	Expected Result	RQ
Send Command with Secured Data to the ISD, which contains:	Response with Secured Data	RQ05_0901
- INSTALL[for install] with AID10	is returned, last or only	RQ05_0903
The Priority level should be set to '01':	additional data response shall	RQ05_2302
Params = 'EF 15	be '02 90 00 00'	
C8 02 FF FF		
C7 02 FF FF		
CA 0B 01 FF 01 00 10 00 00 03 TAR016'		
- INSTALL[for make selectable] with AID10		
Send Command with Secured Data to the ISD, which contains:	Response with Secured Data	RQ05_2302
- INSTALL[for install] with AID11	is returned, last or only	
The Priority level should be set to '01':	additional data response shall	
Params = 'EF 15	be '02 90 00 00'	
C8 02 FF FF		
C7 02 FF FF		
CA 0B 01 FF 01 00 10 00 00 03 TAR017'		
- INSTALL[for make selectable] with AID11		
Start Proactive Session: Check Activation Priority	AID10 is triggered before	RQ05_2302
	- INSTALL[for install] with AID10 The Priority level should be set to '01': Params = 'EF 15 C8 02 FF FF C7 02 FF FF CA 0B 01 FF 01 00 10 00 00 03 TAR016' - INSTALL[for make selectable] with AID10 Send Command with Secured Data to the ISD, which contains: - INSTALL[for install] with AID11 The Priority level should be set to '01': Params = 'EF 15 C8 02 FF FF C7 02 FF FF CA 0B 01 FF 01 00 10 00 00 03 TAR017' - INSTALL[for make selectable] with AID11	- INSTALL[for install] with AID10 The Priority level should be set to '01': Params = 'EF 15 C8 02 FF FF C7 02 FF FF CA 0B 01 FF 01 00 10 00 00 3 TAR016' - INSTALL[for make selectable] with AID10 Send Command with Secured Data to the ISD, which contains: - INSTALL[for install] with AID11 The Priority level should be set to '01': Params = 'EF 15 C8 02 FF FF C7 02 FF FF CA 0B 01 FF 01 00 10 00 00 03 TAR017' - INSTALL[for make selectable] with AID11

6.5.3.2.31 Test case 31: INSTALL[for install] UICC Toolkit Applets with same Priority levels

6.5.3.2.31.1 Initial Conditions

• Prepare for install of the 'Test Application AID12' and 'Test Application AID13' using the load() and install(for load) methods.

6.5.3.2.31.2 Test Procedure

Step	Description	Expected Result	RQ
1	Send Command with Secured Data to the ISD, which contains:	Response with Secured Data	RQ05_1101
	- INSTALL[for install] with AID12	is returned, last or only	RQ05_1102
	The Priority level should be set to '01':	additional data response shall	RQ05_1104
	Params = 'EA 0D	be '02 90 00 00'	RQ05_2302
	80 0B 01 00 10 00 00 03 TAR018 00'		
	- INSTALL[for make selectable] with AID12		
2	Send Command with Secured Data to the ISD, which contains:	Response with Secured Data	RQ05_2302
	- INSTALL[for install] with AID13	is returned, last or only	
	The Priority level should be set to '01':	additional data response shall	
	Params = 'EA 0D	be '02 90 00 00'	
	80 0B 01 00 10 00 00 00 03 TAR019 00'		
	- INSTALL[for make selectable] with AID13		
3	Start Proactive Session: Check Activation Priority	AID12 is triggered before AID13	RQ05_2302

6.5.3.2.32 Test case 32: INSTALL[for install] two SIM Toolkit Applications with identical TAR value

6.5.3.2.32.1 Initial Conditions

• Prepare for install of the 'Test Application AID2' and 'Test Application AID14' using the load() and install(for load) methods.

6.5.3.2.32.2 Test Procedure

Step	Description	Expected Result	RQ
1	Send Command with Secured Data to the ISD, which contains: - INSTALL[for install] with AID2 TAR026 value should be set: Params = 'EF 1A C8 02 FF FF C7 02 FF FF CA 10 01 FF 01 00 10 02 0101 0302 00 00 03 TAR026' - INSTALL[for make selectable] with AID2	Response with Secured Data is returned, last or only additional data response shall be '02 90 00 00'	RQ05_0901 RQ05_0902 RQ05_0903 RQ05_2401 RQ05_2405
2	Send Command with Secured Data to the Test Application with TAR006, with: - '00 01 00 00'	Response with Secured Data is returned: SW = '6X XX' with Response Status Code in the additional data expected = '09' TAR unknown (CAT- TP/SMS) or "unknown application" (HTTPS)	RQ05_2405
3	Send Command with Secured Data to the Test Application with TAR026 , with: - '00 01 00 00'		RQ05_2405
4	Send Command with Secured Data to the ISD, which contains: - INSTALL[for install] with AID14 TAR026 value should be set: Params = 'EF 1A C8 02 FF FF C7 02 FF FF CA 10 01 FF 01 00 10 02 0101 0302 00 00 03 TAR026' - INSTALL[for make selectable] with AID14	Response with Secured Data is returned, last or only additional data response shall be '01 6A 80'	RQ05_2406
5	Send Command with Secured Data to the Test Application with AID14 which contains: - '00 01 00 00'	Response with Secured Data is returned: SW = '6X XX' with Response Status Code in the additional data expected = '09' TAR unknown (CAT- TP/SMS), or "unknown application" (HTTPS)	RQ05_2406

6.5.3.2.33 Test case 33: INSTALL[for install] two UICC Toolkit Application with identical TAR value

6.5.3.2.33.1 Initial Conditions

• Prepare for install of the 'Test Application AID3' and 'Test Application AID15' using the load() and install(for load) methods.

6.5.3.2.33.2 Test Procedure

Step	Description	Expected Result	RQ
1	Send Command with Secured Data to the ISD, which contains:	Response with Secured	RQ05_1101
	- INSTALL[for install] with AID3	Data is returned, last or	RQ05_1102
	TAR028 value should be set:	only additional data	RQ05_1104
	Params = 'EA 11	response shall be '02	RQ05_2401
	80 0F 01 00 10 02 0101 0302 00 00 03 TAR028 00'	90 00 00'	RQ05_2403
	- INSTALL[for make selectable] with AID3		RQ05_2405

Step	Description	Expected Result	RQ
2	Send Command with Secured Data to the Test Application with TAR008, with: - '00 01 00 00'	Response with Secured Data is returned: SW = '6X XX' with Response Status Code in the additional data expected = '09' TAR unknown (CAT-TP/SMS) or "unknown application" (HTTPS)	RQ05_2405
3	Send Command with Secured Data to the TAR028 value, with: - '00 01 00 00'	Response with Secured Data is returned, last or only additional data response shall be '01 90 00'	RQ05_2405
4	Send Command with Secured Data to the ISD, which contains: - INSTALL[for install] with AID15 TAR028 value should be set: Params = 'EA 11 80 0F 01 00 10 02 0101 0302 00 00 03 TAR028 00' - INSTALL[for make selectable] with AID15	Response with Secured Data is returned, last or only additional data response shall be '01 6A 80'	RQ05_2406
5	Send Command with Secured Data to the Test Application with AID15 which contains: - '00 01 00 00'	Response with Secured Data is returned: SW = '6X XX' with Response Status Code in the additional data expected = '09' TAR unknown (CAT- TP/SMS) or "unknown application" (HTTPS)	RQ05_2406

6.5.3.2.34 Test case 34: INSTALL[for install] SIM Toolkit Application with multiple TAR values

6.5.3.2.34.1 Initial Conditions

• Prepare for install of the 'Test Application AID2' using the load() and install(for load) methods.

6.5.3.2.34.2 Test Procedure

Step	Description	Expected Result	RQ
1	Send Command with Secured Data to the ISD, which contains: - INSTALL[for install] with AID2 TAR006 and TAR007values should be set: Params = 'EF 1D C8 02 FF FF C7 02 FF FF CA 13 01 FF 01 00 10 02 01 01 03 02 00 00 06 TAR006 TAR007' - INSTALL[for make selectable] with AID2	Response with Secured Data is returned, last or only additional data response shall be '02 90 00 00'	RQ05_0901 RQ05_0902 RQ05_0903 RQ05_2402 RQ05_2403
2	Send Command with Secured Data to the Test Application with TAR006 value, which contains: - '00 01 00 00'	Response with Secured Data is returned, last or only additional data response shall be '01 90 00'	RQ05_2402
3	Send Command with Secured Data to the Test Application with TAR007 value, which contains: - '00 01 00 00'	Response with Secured Data is returned, last or only additional data response shall be '01 90 00'	RQ05_2402

6.5.3.2.35 Test case 35: INSTALL[for install] UICC Toolkit Application with multiple TAR values

6.5.3.2.35.1 Initial Conditions

• Prepare for install of the 'Test Application AID3' using the load() and install(for load) methods.

6.5.3.2.35.2 Test Procedure

Step	Description	Expected Result	RQ
1	Send Command with Secured Data to the ISD, which contains: - INSTALL[for install] with AID3 TAR008 and TAR009values should be set: Params = 'EA 14 80 12 01 00 10 02 0101 0302 00 00 06 TAR008 TAR009 00' - INSTALL[for make selectable] with AID3	Response with Secured Data is returned, last or only additional data response shall be '02 90 00 00'	RQ05_1101 RQ05_1102 RQ05_1104 RQ05_2402 RQ05_2403
2	Send Command with Secured Data to the Test Application with TAR008 value, which contains: - '00 01 00 00'	Response with Secured Data is returned, last or only additional data response shall be '01 90 00'	RQ05_2402
3	Send Command with Secured Data to the Test Application with TAR009 value, which contains: - '00 01 00 00'	Response with Secured Data is returned, last or only additional data response shall be '01 90	RQ05_2402

6.5.3.2.36 Test case 36: INSTALL[for install] SIM Toolkit Application without TAR value in the Install parameters, the AID contains TAR value

6.5.3.2.36.1 Initial Conditions

• Prepare for install of the 'Test Application AID16' using the load() and install(for load) methods.

6.5.3.2.36.2 Test Procedure

Step	Description	Expected Result	RQ
1	Send Command with Secured Data to the ISD, which contains: - INSTALL[for install] with AID16 (AID16 contains TAR020 value) The TAR value length in install parameters should be set to '00': Params = 'EF 17 C8 02 FF FF C7 02 FF FF CA 0D 01 FF 01 00 10 02 01 01 03 02 00 00 00' - INSTALL[for make selectable] with AID16		RQ05_0901 RQ05_0902 RQ05_0903 RQ05_2404
2	Send Command with Secured Data to the Test Application with TAR010 value, which contains: - '00 01 00 00'	Response with Secured Data is returned, last or only additional data response shall be '01 90 00'	RQ05_2404

6.5.3.2.37 Test case 37: INSTALL[for install] UICC Toolkit Application without TAR value in the Install parameters, the AID contains TAR value

6.5.3.2.37.1 Initial Conditions

• Prepare for install of the 'Test Application AID17' using the load() and install(for load) methods.

6.5.3.2.37.2 Test Procedure

Step	Description	Expected Result	RQ
1	Send Command with Secured Data to the ISD, which contains:	Response with Secured	RQ05_1101
	- INSTALL[for install] with AID17	Data is returned, last or	RQ05_1102
	(AID17 contains TAR021 value)	only additional data	RQ05_1104
	The TAR value length in install parameters should be set to '00':	response shall be '02	RQ05_2404
	Params = 'EA 0E	90 00 00'	
	80 0C 01 00 10 02 0101 0302 00 00 00 00'		
	- INSTALL[for make selectable] with AID17		
2	Send Command with Secured Data to the Test Application with	Response with Secured	RQ05_2404
	TAR021 value, which contains:	Data is returned, last or	
	- '00 01 00 00'	only additional data	
		response shall be '01	
		90 00'	

6.5.3.2.38 Test case 38: INSTALL[for install] for contactless application with Reader mode protocol data type A

6.5.3.2.38.1 Initial Conditions

• Prepare for install of the 'Test Application AID19' using the load() and install(for load) methods.

6.5.3.2.38.2 Test Procedure

Step	Description	Expected Result	RQ
1	Send Command with Secured Data to the ISD, which contains:	Response with Secured	RQ05_2502
	- INSTALL[for install] with AID19	Data is returned, last or	RQ05_2504
	The "Reader mode protocol data Type A" TLV object (tag '86') should	only additional data	RQ05_2506
	be set.	response shall be '02	RQ05_2601
	Params= EF 0F	90 00 00'	RQ05_2503
	C7 02 FF FF		
	C8 02 FF FF		
	B0 05 86 01 03		
	00'		
	- INSTALL[for make selectable] with AID19		
2	Activate the SWP interface and perform HCI initialization	During the HCI	RQ05_2601
	·	initialization the UICC	
		shall set	
		DATARATE_MAX to	
		'03'	

6.5.3.2.39 Test case 39: INSTALL[for install] for contactless application with Reader mode protocol data type B

6.5.3.2.39.1 Initial Conditions

• Prepare for install of the 'Test Application AID20' using the load() and install(for load) methods.

6.5.3.2.39.2 Test Procedure

Step	Description	Expected Result	RQ
1	Send Command with Secured Data to the ISD, which contains: - INSTALL[for install] with AID20 The "Reader mode protocol data Type B" TLV object (tag '87') should be set. Params= 'EF 0F C7 02 FF FF C8 02 FF FF B0 05 87 03 03 03 00 00' - INSTALL[for make selectable] with AID20	Data is returned, last or only additional data	RQ05_2502 RQ05_2504 RQ05_2506 RQ05_2503
2	Activate the SWP interface and perform HCI initialization	During the HCI initialization the UICC shall set the parameters to the values specified in step 1	RQ05_2701

6.5.3.2.40 Test case 40: INSTALL[for install] for contactless application with Card Emulation mode

6.5.3.2.40.1 Initial Conditions

• Prepare for install of the 'Test Application AID21' using the load() and install(for load) methods.

6.5.3.2.40.2 Test Procedure

Step	Description	Expected Result	RQ
1	Send Command with Secured Data to the ISD, which contains:	Response with Secured Data	RQ05_2501
	- INSTALL[for install] with AID21	is returned, last or only	
	Params= 'EF 11	additional data response shall	
	C7 02 FF FF	be '02 90 00 00'	
	C8 02 FF FF		
	A0 07 80 00 A5 03 82 01 C0		
	00'		
	- INSTALL[for make selectable] with AID21		

6.5.4 LOAD

6.5.4.1 Test case 1: LOAD with DES for DAP verification

6.5.4.1.1 Initial Conditions

• The key and algorithm to be used for DAP Verification or Mandated DAP Verification are implicitly known by the corresponding Security Domain.

6.5.4.1.2 Test Procedure

Step	Description	Expected Result	RQ
1	Send Secured Data to the ISD which contains:	Response with Secured	RQ05_0109
	INSTALL[for load] command with Load File AID1	Data is returned, last or	RQ05_0301,
	LOAD command with DES DAP	only additional data	RQ05_0606,
	GET RESPONSE	response shall be '03 90	RQ05_2801,
		00' and contain '00' data	RQ05_2802
		byte	

Step	Description	Expected Result	RQ
2	Send Secured Data to the ISD, which contains:	Response with Secured	RQ02_0104
	 INSTALL[for install and make selectable] the applet with AID1 	Data is returned, last or	RQ05_0109
	GET RESPONSE	only additional data	RQ05_0301
		response shall be '02 90	RQ05_0605
		00' and contain '00' data	
		byte	
3	Send Secured Data to the Test Application with AID1, which contains:	Response with Secured	RQ05_0109
	- '00 01 00 00'	Data is returned, last or	RQ05_0301
		only additional data	
		response shall be '01 90	
		00'	

6.5.5 PUT KEY

6.5.5.1 Test case 1: PUT KEY - create new 3DES 2 keys

6.5.5.1.1 Initial Conditions

• Install the 'Test Application with AID4'.

6.5.5.1.2 Test Procedure

Step	Description	Expected Result	RQ
1	Send Secured Data to create new key set, with Key Version Number	Response with Secured	RQ05_0109
	(KVN) and key identifiers of KIc, KID and DEK as defined in ETSI	Data is returned, last or	RQ05_0301,
	TS 102 225 [2], to the Test Application with AID40 which contains:	only additional data	RQ05_0110
	 PUT KEY command with new 3DES 2 keys 	response shall be '02	
	- GET RESPONSE	90 00' and contain	RQ05_2901,
	The encrypting key to be used is the DEK of the same Key Version	'KVN KeyCheckValue1	RQ05_2904,
	Number (KVN) as the KIc and KID in the Command Packet containing	KeyCheckValue2	RQ05_2905,
	the PUT KEY command	KeyCheckValue3',	RQ05_2906,
		secured using keys as	
		indicated in the	RQ05_3105
		Command Packet	

6.5.5.2 Test case 2: PUT KEY - create new 3DES 3 keys

6.5.5.2.1 Initial Conditions

• Install the 'Test Application with AID4'.

6.5.5.2.2 Test Procedure

Step	Description	Expected Result	RQ
1	Send Secured Data to create new key set, with Key Version Number	Response with Secured	RQ05_0110,
	(KVN) and key identifiers of Klc, KID and DEK as defined in ETSI	Data is returned, last or	RQ05_2901,
	TS 102 225 [2], to the Test Application with AID4 which contains:	only additional data	RQ05_2904,
	 PUT KEY command with new 3DES 3 keys 	response shall be '02	RQ05_2905,
	- GET RESPONSE	90 00' and contain	RQ05_2906,
	The encrypting key to be used is the DEK of the same key version	'KVN KeyCheckValue1	
	number (KVN) as the KIc and KID in the Command Packet containing	KeyCheckValue2	RQ05_3105
	the PUT KEY command	KeyCheckValue3',	
		secured using keys as	
		indicated in the	
		Command Packet	

6.5.5.3 Test case 3: PUT KEY - add and replace DES keys

6.5.5.3.1 Initial Conditions

• Install the 'Test Application with AID4'.

6.5.5.3.2 Test Procedure

Step	Description	Expected Result	RQ
1	Send Secured Data to create new key set, with key version number	Response with	RQ05_2901,
	(KVN) and key identifiers of Klc, KID and DEK as defined in ETSI	Secured Data is	RQ05_2902,
	TS 102 225 [2], to the Test Application with AID4 which contains:	returned, last or only	RQ05_2904,
	 PUT KEY command with new DES keys 	additional data	RQ05_2905,
	- GET RESPONSE	response shall be '02	RQ05_2906
	The encrypting key to be used is the DEK of the same key version	90 00' and contain	
	number (KVN) as the KIc and KID in the Command Packet containing	'KVN KeyCheckValue1	
	the PUT KEY command	KeyCheckValue2	
		KeyCheckValue3',	
		secured using keys as	
		indicated in the	
		Command Packet	
2	Send Secured Data to change KIc with key version number (KVN)	Response with	RQ05_2901,
	defined in step 1, to the Test Application with AID4 which contains:	Secured Data is	RQ05_2902,
	 PUT KEY command with existing DES keys 	returned, last or only	RQ05_2903,
	- GET RESPONSE	additional data	RQ05_2905,
	Use DES key for DEK (key id 3) in ECB mode of the same key version	response shall be '02	RQ05_2906
	number as the changed keys	90 00' and contain	
		'KVN	
		KeyCheckValue1',	
		secured using keys as	
		indicated in the	
		Command Packet	

6.5.5.4 Test case 4: PUT KEY - create new 16 bytes AES keys

6.5.5.4.1 Initial Conditions

• Install the 'Test Application with AID4'.

6.5.5.4.2 Test Procedure

Step	Description	Expected Result	RQ
1	Send Secured Data to create new key set with key version number	Response with	RQ05_2901,
	and key identifiers of Klc, KID and DEK as defined in ETSI	Secured Data is	RQ05_2904,
	TS 102 225 [2], to the Test Application with AID4 which contains:	returned, last or only	
	 PUT KEY command with new 16 bytes AES keys 	additional data	RQ05_2905,
	- GET RESPONSE	response shall be '02	RQ05_2906,
	Use AES key for DEK (key id 3) of the same length with key type '88'	90 00' and contain	
	in CBC mode with initial chaining value set to zero	'KVN KeyCheckValue1	RQ05_3101,
	· ·	KeyCheckValue2	RQ05_3102,
		KeyCheckValue3',	RQ05_3103
		secured using keys as	
		indicated in the	
		Command Packet	

6.5.5.5 Test case 5: PUT KEY - create new 24 bytes AES keys

6.5.5.5.1 Initial Conditions

• Install the 'Test Application with AID4'.

6.5.5.5.2 Test Procedure

Step	Description	Expected Result	RQ
1	Send Secured Data with key version number and key identifiers of KIc, KID and DEK as defined in ETSI TS 102 225 [2], to the Test Application with AID4 which contains: - PUT KEY command with new 24 bytes AES keys - GET RESPONSE Use AES key for DEK (key id 3) of the greater length with key type '88' in CBC mode with initial chaining value set to zero. Use padding with any value.	Response with Secured Data is returned, last or only additional data response shall be '02 90 00' and contain 'KVN KeyCheckValue1 KeyCheckValue2 KeyCheckValue3', secured using keys as indicated in the Command Packet	RQ05_2901, RQ05_2904, RQ05_2905, RQ05_2906, RQ05_3101, RQ05_3102, RQ05_3103, RQ05_3104, RQ05_3105, RQ05_3106, RQ05_3107, RQ05_3108, RQ05_3109
2	Send Secured Data with key version number and key identifiers of KIc, KID and DEK as defined in ETSI TS 102 225 [2], to the Test Application with AID4 which contains: PUT KEY command with 24 bytes AES (error) Use AES key for DEK (key id 3) of the shorter length (16 bytes).	Response with Secured Data is returned, last or only additional data response shall be '01 69 85' or other error SW	RQ05_3101, RQ05_3103

6.5.5.6 Test case 6: PUT KEY - create new 32 bytes AES keys

6.5.5.6.1 Initial Conditions

• Install the 'Test Application with AID4'.

6.5.5.6.2 Test Procedure

Step	Description	Expected Result	RQ
1	Send Secured Data with key version number and key identifiers of KIc, KID and DEK as defined in ETSI TS 102 225 [2] 2to the Test Application with AID4 which contains:	Response with Secured Data is returned, last or only	RQ05_2901, RQ05_2904,
	- PUT KEY command with new 32 bytes AES keys - GET RESPONSE Use AES key for DEK (key id 3) of the same length with key type '88' in CBC mode with initial chaining value set to zero	additional data response shall be '02 90 00' and contain 'KVN KeyCheckValue1 KeyCheckValue2 KeyCheckValue3', secured using keys as indicated in the Command Packet	RQ05_2905, RQ05_2906 RQ05_3101, RQ05_3102, RQ05_3103, RQ05_3104, RQ05_3105, RQ05_3106, RQ05_3107,
2	Send Secured Data with key version number and key identifiers of KIc, KID and DEK as defined in ETSI TS 102 225 [2], to the Test Application with AID4 which contains: - PUT KEY command with 32 bytes AES keys (error) Use AES key for DEK (key id 3) of the shorter length (16 bytes)	Response with Secured Data is returned last or only additional data response shall be '01 69 85' or other error SW	RQ05_3108 RQ05_3101, RQ05_3103

6.5.6 GET STATUS

6.5.6.1 Test case 1: GET STATUS with different P1 values

6.5.6.1.1 Initial Conditions

• Install Test Application with AID1 with predefined menu entries Toolkit Application specific parameters.

6.5.6.1.2 Test Procedure

Step	Description	Expected Result	RQ
1	Send Secured Data to the ISD, which contains:	Response with Secured Data is	RQ05_0109
	- GET STATUS with P1='80'	returned, last or only additional	RQ05_0301
	- GET RESPONSE	data response shall be '02 90 00',	
		containing 'EA LEN 80 LEN MP ID	RQ05_3201,
		00/01' (see note)	RQ05_3203,
			RQ05_3301,
			RQ05_3302,
			RQ05_3303
2	Send Secured Data with the AID of the Test Application to	Response with Secured Data is	RQ05_0109
	the ISD, which contains:	returned, last or only additional	RQ05_0301
	- GET STATUS with P1= '40' with AID1	data response shall be '02 90	
	- GET RESPONSE	00'(see note), containing 'EA LEN	RQ05_3201,
		80 LEN MP ID 00/01'(see note)	RQ05_3203,
3	Send Secured Data with the AID of the Test Application to	Response with Secured Data is	RQ05_0109
	the ISD, which contains:	returned, last or only additional	RQ05_0301
	 GET STATUS with P1= '20' with package AID1 	data response shall be '02 90	
	- GET RESPONSE	00'(see note), containing 'EA LEN	RQ05_3201,
		80 LEN MP ID 00/01' (see note)	RQ05_3203,
4	Send Secured Data with the AID of the Test Application to	Response with Secured Data is	RQ05_0109
	the ISD, which contains:	returned, last or only additional	RQ05_0301
	 GET STATUS with P1= '10' with package AID 	data response shall be '02 90	
	- GET RESPONSE	00'(see note), containing 'EA LEN	RQ05_3201,
		80 LEN MP ID 00/01' (see note)	RQ05_3203,
NOTE:	Values of MP (menu entry position) or ID (menu entry idea	ntifier) should not be checked.	·

6.5.6.2 Test case 2: GET STATUS with optional P1 values

6.5.6.2.1 Initial Conditions

• Install Test Application with AID1 with predefined menu entries Toolkit Application specific parameters.

6.5.6.2.2 Test Procedure

Step	Description	Expected Result	RQ
	Send Secured Data to the Test Application with AID1, which contains: - GET STATUS with P1= 'D0' - GET RESPONSE	Response with Secured Data is returned, last or only additional data response shall be '02 90 00', containing 'EA LEN 80 LEN MP ID 00/01'(see note)	RQ05_0109 RQ05_0301 RQ05_3201, RQ05_3203,
NOTE:	Values of MP (menu entry position) or ID (menu entry identifier) should not be checked.		

6.5.6.3 Test case 3: GET STATUS returns Menu Entries in the LOCKED state

6.5.6.3.1 Initial Conditions

• Install Test Application with AID1 with predefined menu entries Toolkit Application specific parameters.

6.5.6.3.2 Test Procedure

Step	Description	Expected Result	RQ
1	Send Secured Data to the ISD, which contains:	Response with Secured	RQ01_0002,
	- SET STATUS to lock the applet with AID1	Data is returned, last or only additional data response shall be '01 90 00'	RQ05_0501
2	Send Secured Data coded to the ISD, which contains: - GET STATUS of the applet with AID1, i.e. '80 F2 P1 02 02 4F LEN AID1 00' - GET RESPONSE	Response with Secured Data is returned, last or only additional data response shall be '02 90 00', containing 'EA LEN 80 LEN MP ID 00/01' (see note)	RQ05_3201, RQ05_3203, RQ05_3301, RQ05_3302, RQ05_3303
NOTE:	Values of MP (menu entry position) or ID (menu entry identifier) s	should not be checked.	

6.5.7 GET DATA

6.5.7.1 Test case 1: GET DATA with different P1 values

6.5.7.1.1 Initial Conditions

• All necessary information (i.e. Card Data, Key Information, Extended Card Resources Information) is made available on the card.

6.5.7.1.2 Test Procedure

Step	Description	Expected Result	RQ	
1	Send Secured Data to the ISD, which contains: - GET DATA with P1P2 = '0066' (Card Data)	Response with Secured Data is returned, last or only additional	RQ05_0109, RQ05_0301,	
	- GET RESPONSE	data includes tag '66' and ends		
		with '02 90 00'	RQ05_3401,	
			RQ05_3402	
2	Send Secured Data to the ISD, which contains:	Response with Secured Data is	RQ05_0109,	
	 GET DATA with P1P2 = '00E0' (Key Information 	returned, last or only additional	RQ05_0301,	
	Template)	data includes tag 'E0' and ends		
	- GET RESPONSE	with '02 90 00'	RQ05_3401,	
			RQ05_3402	
3	Send Secured Data to the Application Provider SD with	Response with Secured Data is	RQ05_0109,	
	AID40, which contains:	returned, last or only additional	RQ05_0301,	
	- GET DATA with P1P2 = '00E0' (Key Information	data includes tag 'E0' and ends		
	Template)	with '02 90 00'	RQ05_3401,	
	- GET RESPONSE		RQ05_3404	
4	Send Secured Data to the ISD, which contains:	Response with Secured Data is	RQ05_0109,	
	- GET DATA with P1P2 = 'FF21' (Extended Card	returned, last or only additional	RQ05_0301,	
	resources information)	data includes '81 LEN NN 82 LEN	RQ05_3405	
	- GET RESPONSE	NVM 83 LEN VM' and end with	RQ05_3501,	
		'02 90 00' (see note)	RQ05_3503,	
			RQ05_3504	
NOTE:	Values and length of NN (number of installed applications	s), NVM (Non Volatile Memory) and $\$	/M (Volatile	
	Memory) should not be checked.			

6.5.8 STORE DATA

6.5.8.1 Test case 1: STORE DATA

6.5.8.1.1 Initial Conditions

• Install Test Application with AID1.

6.5.8.1.2 Test Procedure

Step	Description	Expected Result	RQ
1	Send Secured Data to the Test Application with AID1,	Response with Secured Data is	RQ05_0109,
	which contains:	returned, last or only additional	RQ05_3601
	- STORE DATA	data ends with '01 90 00'	

6.5.8.2 Test case 2: STORE DATA with a Forbidden Load File List

6.5.8.2.1 Initial Conditions

• Install Test Application with AID1.

6.5.8.2.2 Test Procedure

Step	Description	Expected Result	RQ
1	Send Secured Data to the Test Application with AID1,	Response with Secured Data is	RQ05_3602-11
	which contains:	returned, last or only additional	
	 STORE DATA with Forbidden Load File List 	data ends with '01 90 00'	

6.5.9 RAM implementation over HTTPS

The content of this clause is FFS.

6.6 Additional command for push

6.6.1 BIP

See test case definition in clause 6.6.2.

6.6.2 CAT_TP

6.6.2.1 Test case 1: Send Secured Data (READ BINARY) using Expanded and Compact format with the different TAR value

6.6.2.1.1 Initial Conditions

• None.

6.6.2.1.2 Test Procedure

Step	Description	Expected Result	RQ
1	Send Command with Secured Data coded as: [Compact	Response with Secured Data is	RQ02_0901,
	Remote command structure] to the UICC Shared File	returned	RQ05_0107,
	System Remote File Management application [TAR value	last or only additional data	RQ05_0108
	for Compact format], which contains:	response shall be '03 90 00' and	
	- SELECT: DF _{SIMTEST}	contain all data of EFTARU until the	
	- SELECT: EFTARU	end of file	
	- READ BINARY with P3/Le = '00'		

Step	Description	Expected Result	RQ
2	Send Command with Secured Data coded as: [Expanded	Secured Response Data is	RQ02_0902,
	Remote command structure] to the UICC Shared File	returned:	RQ05_0107,
	System Remote File Management application [TAR value	'AB 7F	RQ05_0108
	for Expanded format], which contains:	80 01 03	
	- SELECT: DFSIMTEST	23 LEN [Data 90 00]' where	
	- SELECT: EFTARU	the Data should be the content of	
	- READ BINARY	EF _{TARU}	
	TLV Structure: C-APDU TLV		
	Definite length coding		

6.6.2.2 Test case 2: Send Secured Data (READ BINARY) using Expanded and Compact format with the same TAR value

6.6.2.2.1 Initial Conditions

• None.

6.6.2.2.2 Test Procedure

Step	Description	Expected Result	RQ
1	Send Command with Secured Data coded as: [Expanded	SW = '6X XX' with Error	RQ04_0102,
	Remote command structure] to the UICC Shared File System	Response Status Code in the	RQ05_0108
	Remote File Management application [TAR value for Compact	additional data expected = '09'	
	format], which contains:	TAR unknown or other error	
	- SELECT: DF _{SIMTEST}		
	- SELECT: EF _{TARU}		
	- READ BINARY		
	TLV Structure: C-APDU TLV		
	Definite length coding		
2	Send Command with Secured Data coded as: [Compact	SW = '6X XX' with Error	RQ04_0102,
	Remote command structure] to the UICC Shared File System	Response Status Code in the	RQ05_0108
	Remote File Management application [TAR value for Expanded	additional data expected = '09'	
	format], which contains:	TAR unknown or other error	
	- SELECT: DFSIMTEST		
	- SELECT: EFTARU		
	- READ BINARY		

6.6.2.3 Test case 3: PUSH Command, PoR required - No Error

6.6.2.3.1 Initial Conditions

• None.

6.6.2.3.2 Test Procedure

Step	Description	Expected result	RQ
1	Send ENVELOPE_SMS_PP to the ISD with SPI =	SW = '91 XX'	RQ06_0101,
	'02 21', and Secured Data which contains:		RQ06_0701,
	 PUSH command for BIP channel opening 		RQ06_0702,
	 PUSH command for CAT_TP link 		RQ06_0806,
	establishment		RQ06_0901
	i.e. Data = '80 EC 01 01 25		
	35 07 02 00 00 03 00 00 02		
	3C 03 01 1F 40		
	39 02 05 78		
	47 0A 09 47 53 4D 41 65 55 49 43		
	43		
	3E 05 21 7F 00 00 01		
	80 EC 01 02 05		
	3C 03 01 02 02'		

Step	Description	Expected result	RQ
2	Send FETCH	OPEN CHANNEL with response data	RQ06_0201,
		'D0 27	RQ06_0801,
		81 03 01 40 01	RQ06_0802
		82 02 81 82	
		35 07 02 00 00 03 00 00 02	
		39 02 05 78	
		47 0A 09 47 53 4D 41 65 55 49 43 43	
		3C 03 01 30 50	
		3E 05 21 7F 00 00 01	
		90 00'	
3	Send TERMINAL RESPONSE (OPEN CHANNEL)	SW = '91 XX'	RQ06_0201
4	Send FETCH	PROACTIVE COMMAND: SEND DATA	
		(SYN PDU)	
5	Send TERMINAL RESPONSE (SEND DATA)	SW = '91 XX'	RQ06_0201
6	Send ENVELOPE(EVENT DOWNLOAD -	SW = '91 XX'	
	Data available)		
7	Send FETCH	PROACTIVE COMMAND: RECEIVE	
		DATA (SYN/ACK PDU)	
8	Send TERMINAL RESPONSE (RECEIVE DATA)	SW = '91 XX'	RQ06_0201
9	Send FETCH	PROACTIVE COMMAND: SEND DATA (ACK PDU)	
10	Send TERMINAL RESPONSE (SEND DATA)	SW = '91 XX'	RQ06_0201
11	Send FETCH	PROACTIVE COMMAND: SEND SHORT	RQ06_0401
		MESSAGE (PoR)	
12	Send TERMINAL RESPONSE (SEND SHORT	SW = '90 00'	RQ06_0301
	MESSAGE)		

6.7 Confidential application management

FFS

Annex A (normative): BER-TLV tags

A.1 BER-TLV tags

Table A.1: BER-TLV tags

Description	Length of tag	Value
Command Scripting template tag for definite length coding	1	Defined in ETSI TS 101 220 [6]
Response Scripting template tag for definite length coding	1	Defined in ETSI TS 101 220 [6]
Command Scripting template tag for indefinite length coding	1	Defined in ETSI TS 101 220 [6]
Response Scripting template tag for indefinite length coding	1	Defined in ETSI TS 101 220 [6]
Number of executed command TLV objects tag	1	Defined in ETSI TS 101 220 [6]
Bad format TLV tag	1	Defined in ETSI TS 101 220 [6]
Immediate Action tag	1	Defined in ETSI TS 101 220 [6]
Immediate Action Response tag	1	Defined in ETSI TS 101 220 [6]
Error Action tag	1	Defined in ETSI TS 101 220 [6]
Script Chaining tag	1	Defined in ETSI TS 101 220 [6]
Script Chaining Response tag	1	Defined in ETSI TS 101 220 [6]

Annex B (normative): Default file system and files content

B.1 DF_{TEST} (UICC Access Tests DF)

B.1.1 DF identifier

A file identifier not allocated to ensure that the File ID is not used by any other DF defined in any of the applications listed in clause 4.4.3. The suggestion is to use '7F4A'.

B.1.2 EF_{TNU} (Transparent Never Update)

This is a 3 byte transparent EF for testing purposes with fixed contents.

A file identifier not allocated to ensure that the File ID is not used by any other EF defined in any of the applications listed in clause 4.4.3. The suggestion is to use '6F 02'.

	Identifier: '6FXX'		Structure: transparent	
	File size: 3 bytes		Update activity	: low
Access Condi	tions:			
READ	Α	LWAYS		
UPDA	TE N	NEVER		
ACTIV	ATE A	LWAYS		
DEAC	TIVATE A	LWAYS		
	_			
Bytes	Description			Length
1 - 3	_	55 55 55		3 bytes

B.1.3 EF_{TARU} (Transparent Always Read and Update)

This is a 120 byte transparent EF for testing purposes with predefined contents.

A file identifier not allocated to ensure that the File ID is not used by any other EF defined in any of the applications listed in clause 4.4.3. The suggestion is to use '6F 03'.

Ider	ntifier: '6FXX '	Structure: transparent
	File size: 120 bytes	Update activity: low
Access Condition	s:	
READ	ALWA	YS
UPDATE	ALWA	YS
ACTIVAT	E ALWA	YS
DEACTIV	ATE ALWA	.YS
Bytes	D	escription Length
1 - 120		FF FF 120 bytes

B.1.4 EF_{TUACP} (Transparent Update Access Condition PIN)

This is a 120 byte transparent EF for testing purposes with predefined contents.

A file identifier not allocated to ensure that the File ID is not used by any other EF defined in any of the applications listed in clause 4.4.3. The suggestion is to use '6F 05'.

	Identifier: '6FXX'		Structure: transparent	
	File size: 120 bytes		Update activity	: low
Access Condi READ UPDA ACTIV DEAC	AL\ TE PIN 'ATE AL\	VAYS VAYS VAYS		
Bytes		Description		Length
1 - 120		FF FF		120 bytes

B.1.5 EF_{TPRU} (Transparent PIN Read and Update)

This is a 120 byte transparent EF for testing purposes with predefined contents.

A file identifier not allocated to ensure that the File ID is not used by any other EF defined in any of the applications listed in clause 4.4.3. The suggestion is to use '6F 06'.

	Identifier: '6FXX'		Structure: transparent	
	File size: 120 bytes		Update activity	: low
Access Condi READ UPDA ACTIV DEAC	TE 'ATE	PIN PIN ALWAYS ALWAYS		
Bytes	Description			Length
1 - 120		FF FF		120 bytes

B.1.6 EF_{LF4R4b}

This is a linear fixed EF for testing purposes with 4 records and 4 bytes/record with predefined contents located under DF_{TEST}

A file identifier is not allocated in order to ensure that the File ID is not used by any other EF defined in any of the applications listed in clause 4.4.3. The suggestion is to use '6F FC'.

Identifie	r: '6F XX'		Structure: line	ear fixed
Reco	ord length: 4 bytes	i	Updat	e activity: low
Access Condition	ons:			
READ		ALWA	YS	
UPDATE	≣	ALWA	YS	
DEACTI	VATE	ALWA	YS	
ACTIVA	TE	ALWA	YS	
Bytes	Description		n	Length
1 to 4	LF4	4R4b test co	ntents	4 bytes

Coding:

1 st record:	Α0	A1	A2	В0
2 nd record:	B0	B1	B2	Α0
3 rd record:	B0	B1	B2	Α0
4 th record:	A0	A1	A2	B0

B.1.7 EFBER-TLV

This is a 120 byte BER-TLV EF for testing purposes with predefined contents.

A file identifier not allocated to ensure that the File ID is not used by any other EF defined in any of the applications listed in clause 4.4.3. The suggestion is to use '6F 09'.

11 (10)	105 104				\ - 1.17
Identifie	r: '6F XX'		Str	ucture: BEF	R-TLV
Fil	e size: 10 bytes			Update	activity: low
Access Condition	ons:				
READ		ALWA	YS		
UPDATI	E	ALWA	YS		
DEACTI	VATE	ALWA	YS		
ACTIVA	TE	ALWA	YS		
INCREA	ASE	ALWA	YS		
Bytes		Descriptio	n		Length
1 to 10	Test	contents: ,F	F FF'		10 bytes

B.1.8 EFCY4R4b

This is a cyclic EF for testing purposes with 4 records and 4 bytes/record with predefined contents located under DF_{TEST}

A file identifier is not allocated in order to ensure that the File ID is not used by any other EF defined in any of the applications listed in clause 4.4.3. The suggestion is to use '6F FD'.

Identifie	r: '6F XX'		Structure	cyclic
Reco	ord length: 4 bytes		Upda	ite activity: low
Access Condition	ons:			
READ		ALWA	YS	
UPDATE	=	ALWA	YS	
DEACTI	VATE	ALWA	YS	
ACTIVA	TE	ALWA	YS	
INCREA	SE	ALWA	YS	
Bytes	Description		n	Length
1 to 4	CY4	R10b test co	ontents	4 bytes

Coding:

1 st record:	Α0	A1	A2	B0
2 nd record:	B0	B1	B2	A0
3 rd record:	B0	B1	B2	A0
4 th record:	A0	A1	A2	B0

B.2 DF_{TESTB} (Tests DF under ADF_1)

B.2.1 DF identifier

A file identifier not allocated to ensure that the File ID is not used by any other DF defined in any of the applications listed in clause 4.4.3. The suggestion is to use '7F4B'.

B.2.2 EFTARUB (Transparent Always Read and Update B)

This is a 120 byte transparent EF for testing purposes with predefined contents.

A file identifier not allocated to ensure that the File ID is not used by any other EF defined in any of the applications listed in clause 4.4.3. The suggestion is to use '6F 04'.

	Identifier: '6FXX'		Structure: transparent	
	File size: 120 bytes		Update activity	: low
Access Condi				
READ		ALWAYS		
UPDA	TE	ALWAYS		
ACTIV	ATE	ALWAYS		
DEAC	TIVATE	ALWAYS		
Bytes	Description			Length
1 - 120		FF FF		120 bytes

B.3 DF_{TELECOM}

B.3.1 EF_{RMA} (Remote Management Actions)

This is a linear fixed EF for testing purposes with is a 36 byte with predefined contents.

This file is located under DF_{TELECOM} ('7F10') as defined in ETSI TS 102 222 [9].

	Identifier: '6F53'	Structure: linear fixed	
	Record length: 36 bytes	Update activity	: low
Access Condi READ UPDA ACTIV	ADM TE ADM		
DEAC Bytes	TIVATE ADM	Description	Length
1 to 36	Test conte	36 bytes	

1 st record:	DISPLAY TEXT	1A 04 74	81 54 20	03 6F 31	01 6F FF	21 6C FF	80 6B FF	82 69 FF	02 74 FF	81 20 FF	02 54 FF	8D 65 FF	0F 73 FF
2 nd record:	REFRESH	10 01 FF	81 3F FF	03 00 FF	01 2F FF	01 E2 FF	01 FF FF	82 FF FF	02 FF FF	81 FF FF	82 FF FF	92 FF FF	05 FF FF
3 rd record:	PLAY TONE	1B 44 84	81 69 02	03 61 01	01 6C 05	20 20 FF	00 54 FF	82 6F FF	02 6E FF	81 65 FF	03 8E FF	85 01 FF	09 01 FF

Annex C (normative): Secure data coding and command structure

C.1 Commands

Table C.1

Command						Des	criptio	n					
	SELECT DF	<text></text>	with FI	D 'd1 c	12': '00				no resp	onse da	ata)		
												for T=0)
	SELECT EF <text> with FID 'e1 e2': '00 A4 00 04 02 e1 e2' (return FCP template) - for T=0 (Compact format)</text>												
	SELECT EF		with FI	D 'e1 e	2': '00	A4 00 0)4 02 e	1 e2 00	' (returi	n FCP t	emplate	e) for T	=1
	(Expanded F		***************************************	0.0		711 00 1		. 02 00	(rotari		ompian	0, 101 1	•
SELECT	SELECT EF		with FI	D 'e1 e	2'. '00	A4 00 0	14 N2 e	1 e2'					
	SELECT EF								2 e1 e2	' 00'			
	Select Applet												
	SELECT by p							., <u>-</u>					
	SELECT by p						path'						
UPDATE BINARY	UPDATE BIN							3 XX X	X XX'				
0. 27.1.2 2.1.0.1.1.	TERMINAL F												
			0.100	ia irraic	outo ou	рроптог	101101111	ng roun					
			Item	Byte	e.bit	Termina	al Profile	9					
			1	1.1		Profile [
TERMINAL			17	3.1		DISPLA							
PROFILE			21	3.5		PLAY T		-					
			24	3.8		REFRE							
			30	4.6		SET UF		J					
			00	11.0		<u> </u>	1412140	•					
SET STATUS	Set Status to	lock th	e apple	t with t	he AII): '80 F0	40 FF	Len All	D' -				
	'80 C2 00 00												
	D1 XX												
ENIVELODE OMO D	82 02 82 81												
ENVELOPE_SMS_P	86 02 80 01												
IP .	0D 10/												
1	8B YY												
	40 05 81 12 5												
	40 05 81 12 5 where the Da		e Secu	red Da	ta as c		n the te			e head	er conta		
PROACTIVE	40 05 81 12 5	ta is th		red Da	ta as c	defined i 01	n the te	st case 80			er conta	ains SF 02	8D
COMMAND:	40 05 81 12 5 where the Da	D0 DF	1A 04	red Da 81 54	ta as c 03 6F	defined i	n the te	st case	and th	e head	er conta	ains SF	
	40 05 81 12 5 where the Da	ta is th	e Secui	red Da	ta as c	defined i 01	n the te	st case 80	and th	e head 02	er conta	ains SF 02	8D
COMMAND:	40 05 81 12 5 where the Da BER-TLV:	D0 0F 73	1A 04	red Da 81 54	03 6F 31	defined i 01	n the te 21 6C	st case 80	and th	e head 02	er conta 81 20	ains SF 02	8D
COMMAND: DISPLAY TEXT TERMINAL RESPONSE:	40 05 81 12 5 where the Da	D0 DF	1A 04	red Da 81 54	ta as c 03 6F	defined i 01	n the te	st case 80	and th	e head 02	er conta	ains SF 02	8D
COMMAND: DISPLAY TEXT TERMINAL	40 05 81 12 5 where the Da BER-TLV:	D0 0F 73	1A 04 74	red Da 81 54 20	03 6F 31	01 6F	n the te 21 6C	st case 80 6B	82 69	02 74	er conta 81 20	ains SF 02 54	8D 65
COMMAND: DISPLAY TEXT TERMINAL RESPONSE:	40 05 81 12 8 where the Da BER-TLV:	nta is th D0 0F 73	1A 04 74	red Da 81 54 20	ta as c 03 6F 31	defined i 01 6F 80	n the te 21 6C 82	80 6B 02	82 69 82	e head 02 74 81	81 20 83	02 54 01	8D 65 00
COMMAND: DISPLAY TEXT TERMINAL RESPONSE: DISPLAY TEXT	40 05 81 12 5 where the Da BER-TLV:	00 0F 73 81 D0	1A 04 74 03	red Da 81 54 20 01	ta as 0 03 6F 31 21	01 6F 80 01	82 20	80 6B 02	82 69 82 82	81 02 02 02 02	81 20 83 81	02 54 01 03	8D 65 00
COMMAND: DISPLAY TEXT TERMINAL RESPONSE: DISPLAY TEXT PROACTIVE	40 05 81 12 8 where the Da BER-TLV:	D0	1A 04 74 03 1B 44	red Da 81 54 20 01 81 69	103 6F 31 21 03 61	01 80 01 6C	n the te 21 6C 82	80 6B 02	82 69 82	e head 02 74 81	81 20 83	02 54 01	8D 65 00
COMMAND: DISPLAY TEXT TERMINAL RESPONSE: DISPLAY TEXT PROACTIVE COMMAND: PLAY	40 05 81 12 8 where the Da BER-TLV:	00 0F 73 81 D0	1A 04 74 03	red Da 81 54 20 01	ta as 0 03 6F 31 21	01 6F 80 01	82 20	80 6B 02	82 69 82 82	81 02 02 02 02	81 20 83 81	02 54 01 03	8D 65 00
COMMAND: DISPLAY TEXT TERMINAL RESPONSE: DISPLAY TEXT PROACTIVE	40 05 81 12 8 where the Da BER-TLV:	D0	1A 04 74 03 1B 44	red Da 81 54 20 01 81 69	103 6F 31 21 03 61	01 80 01 6C	82 20	80 6B 02	82 69 82 82	81 02 02 02 02	81 20 83 81	02 54 01 03	8D 65 00
COMMAND: DISPLAY TEXT TERMINAL RESPONSE: DISPLAY TEXT PROACTIVE COMMAND: PLAY TONE	40 05 81 12 8 where the Da BER-TLV:	D0	1A 04 74 03 1B 44	red Da 81 54 20 01 81 69	103 6F 31 21 03 61	01 80 01 6C	82 20	80 6B 02	82 69 82 82	81 02 02 02 02	81 20 83 81	02 54 01 03	8D 65 00
COMMAND: DISPLAY TEXT TERMINAL RESPONSE: DISPLAY TEXT PROACTIVE COMMAND: PLAY TONE TERMINAL	40 05 81 12 8 where the Da BER-TLV: BER-TLV: BER-TLV:	D0	1A	eed Da 81 54 20 01 81 69 02	ta as o 03 6F 31 21 03 61 01	01 6C 05	n the te	88 case 80 6B 02 00 54	82 69 82 82 82 6F	e head 02 74 81 02 6E	81 20 83 81 65	02 54 01 03 8E	8D 65 00 85 01
COMMAND: DISPLAY TEXT TERMINAL RESPONSE: DISPLAY TEXT PROACTIVE COMMAND: PLAY TONE TERMINAL RESPONSE: PLAY	40 05 81 12 8 where the Da BER-TLV:	D0	1A 04 74 03 1B 44	red Da 81 54 20 01 81 69	103 6F 31 21 03 61	01 80 01 6C	82 20	80 6B 02	82 69 82 82	81 02 02 02 02	81 20 83 81	02 54 01 03	8D 65 00
COMMAND: DISPLAY TEXT TERMINAL RESPONSE: DISPLAY TEXT PROACTIVE COMMAND: PLAY TONE TERMINAL RESPONSE: PLAY TONE	40 05 81 12 8 where the Da BER-TLV: BER-TLV: BER-TLV:	D0	1A	eed Da 81 54 20 01 81 69 02	ta as o 03 6F 31 21 03 61 01	01 6C 05	n the te	88 case 80 6B 02 00 54	82 69 82 82 82 6F	e head 02 74 81 02 6E	81 20 83 81 65	02 54 01 03 8E	8D 65 00 85 01
COMMAND: DISPLAY TEXT TERMINAL RESPONSE: DISPLAY TEXT PROACTIVE COMMAND: PLAY TONE TERMINAL RESPONSE: PLAY TONE PROACTIVE	Where the Dale BER-TLV: BER-TLV: BER-TLV: BER-TLV:	D0	1A	ed Da 81 54 20 01 81 69 02	ta as of 03 6F 31 21 03 61 01 20	01 6F 80 01 6C 05 00	1	88 case 80 6B 02 00 54	82 69 82 82 82 6F	e head 02 74 81 02 6E	81 20 83 81 65	02 54 01 03 8E	8D 65 00 85 01
COMMAND: DISPLAY TEXT TERMINAL RESPONSE: DISPLAY TEXT PROACTIVE COMMAND: PLAY TONE TERMINAL RESPONSE: PLAY TONE PROACTIVE COMMAND:	40 05 81 12 8 where the Da BER-TLV: BER-TLV: BER-TLV:	D0	1A	eed Da 81 54 20 01 81 69 02	ta as o 03 6F 31 21 03 61 01	01 6C 05	n the te	80 68	82 82 82 65 82 82 82 82 82	e head	81 20 83 81 65 83	02 54 01 03 8E 01	8D 65 00 85 01
COMMAND: DISPLAY TEXT TERMINAL RESPONSE: DISPLAY TEXT PROACTIVE COMMAND: PLAY TONE TERMINAL RESPONSE: PLAY TONE PROACTIVE COMMAND: REFRESH	Where the Dale BER-TLV: BER-TLV: BER-TLV: BER-TLV:	D0	1A	eed Da 81 54 20 01 81 69 02	ta as o	01 6F 80	n the te 21	80 68	82 82 82 65 82 82 82 82 82	e head	81 20 83 81 65 83	02 54 01 03 8E 01	8D 65 00 85 01
COMMAND: DISPLAY TEXT TERMINAL RESPONSE: DISPLAY TEXT PROACTIVE COMMAND: PLAY TONE TERMINAL RESPONSE: PLAY TONE PROACTIVE COMMAND: REFRESH TERMINAL	Where the Dale BER-TLV: BER-TLV: BER-TLV: BER-TLV:	D0	1A	eed Da 81 54 20 01 81 69 02	ta as o	01 6F 80	n the te 21	80 68	82 82 82 65 82 82 82 82 82	e head	81 20 83 81 65 83	02 54 01 03 8E 01	8D 65 00 85 01
COMMAND: DISPLAY TEXT TERMINAL RESPONSE: DISPLAY TEXT PROACTIVE COMMAND: PLAY TONE TERMINAL RESPONSE: PLAY TONE PROACTIVE COMMAND: REFRESH TERMINAL RESPONSE:	Where the Dale BER-TLV: BER-TLV: BER-TLV: BER-TLV:	D0	1A	eed Da 81 54 20 01 81 69 02	ta as o	01 6F 80	n the te 21	80 68	82 82 82 65 82 82 82 82 82	e head	81 20 83 81 65 83	02 54 01 03 8E 01	8D 65 00 85 01
COMMAND: DISPLAY TEXT TERMINAL RESPONSE: DISPLAY TEXT PROACTIVE COMMAND: PLAY TONE TERMINAL RESPONSE: PLAY TONE PROACTIVE COMMAND: REFRESH TERMINAL RESPONSE: REFRESH	Where the Dale BER-TLV: BER-TLV: BER-TLV: BER-TLV:	D0	1A	eed Da 81 54 20 01 81 69 02	ta as o	01 6F 80	n the te 21	80 68	82 82 82 65 82 82 82 82 82	e head	81 20 83 81 65 83	02 54 01 03 8E 01	8D 65 00 85 01
COMMAND: DISPLAY TEXT TERMINAL RESPONSE: DISPLAY TEXT PROACTIVE COMMAND: PLAY TONE TERMINAL RESPONSE: PLAY TONE PROACTIVE COMMAND: REFRESH TERMINAL RESPONSE: REFRESH READ BINARY	Where the Dale BER-TLV: BER-TLV: BER-TLV: BER-TLV: BER-TLV: BER-TLV:	Nata Sth D0 OF 73 Standard Sta	1A	eed Da 81 54 20 01 81 69 02	ta as o	01 6F 80	n the te 21	80 68	82 82 82 65 82 82 82 82 82	e head	81 20 83 81 65 83	02 54 01 03 8E 01	8D 65 00 85 01
COMMAND: DISPLAY TEXT TERMINAL RESPONSE: DISPLAY TEXT PROACTIVE COMMAND: PLAY TONE TERMINAL RESPONSE: PLAY TONE PROACTIVE COMMAND: REFRESH TERMINAL RESPONSE: REFRESH	Where the Dale BER-TLV: BER-TLV: BER-TLV: BER-TLV: BER-TLV: '00 B0 00 00 '00 B2 01 04	Nation N	Securiary 1A	eed Da 81 54 20 01 81 69 02	ta as o	01 6F 80	n the te 21	80 68	82 82 82 65 82 82 82 82 82	e head	81 20 83 81 65 83	02 54 01 03 8E 01	8D 65 00 85 01
COMMAND: DISPLAY TEXT TERMINAL RESPONSE: DISPLAY TEXT PROACTIVE COMMAND: PLAY TONE TERMINAL RESPONSE: PLAY TONE PROACTIVE COMMAND: REFRESH TERMINAL RESPONSE: REFRESH READ BINARY	Where the Dale BER-TLV: BER-TLV: BER-TLV: BER-TLV: BER-TLV: BER-TLV:	D0	Securiary 1A	red Da	ta as of 03	01 6F 80 01 6C 05 00 2F	n the te 21	80 68	82 82 82 65 82 82 82 82 82	e head	81 20 83 81 65 83	02 54 01 03 8E 01	8D 65 00 85 01

Command	Description
SEARCH RECORD	'00 A2 01 04 LC Data'
INCREASE	'80 32 00 00 LC Data 00' (without the last '00' byte for T=0 (Compact Format))
SET DATA	'00 DB 00 80 LC Data'
RETRIEVE DATA	'00 CB 00 P2 01 XX 00'with XX= Tag value
ACTIVATE FILE	'00 44 00 00 00' (activating current file)
DEACTIVATE FILE	'00 04 00 00 00' deactivating current file
VERIFY PIN	'00 20 00 01 08 PIN'
CHANGE PIN	'00 24 00 01 10 Data' with Data = PINold PINnew
ENABLE PIN	'00 28 00 01 08 PIN'
DISABLE PIN	'00 26 00 01 08 PIN'
UNBLOCK PIN	'00 2C 00 01 10 Data' with Data = PINtoUnblock PINnew
DELETE	'80 E4 00 00 12 4F 10 AID'
CREATE FILE	CREAT FILE EFxx: '0X E0 00 00 14 62 13 82 02 41 21 83 02 EF1 EF2 8A 01 05 8C 03 03 00 00 80 01 05' where EF1 EF2 is the FID
DELETE FILE	DELETE FILE EFxx: 0X E4 00 00 02 EF1 EF2 where EF1 EF2 is the FID
RESIZE FILE	RESIZE FILE EFxx: '8X D4 00 00 09 62 07 83 02 EF1 EF2 80 01 03'where EF1 EF2 is the FID
	INSTALL[for load]: '80 E6 02 00 LC Data' with Data = '10 AID 00 00 XX Params 00' where XX =
	length of Params field ('00' if no Params) and Params are the Systems Specific Parameters as
	defined in the test case
	INSTALL[for install]: '80 E6 04 00 LC
	10 ELF AID
INSTALL	10 EM AID
	10 Application AID
	03 XX XX XX (privileges)
	length [C9 0A 81 02 02 55 82 01 C8 83 01 F8
	Params] 00' where Params are the parameters as defined
	in the test
	INSTALL[for install and make selctable]: FFS
	LOAD: '80 E6 P1 P2 LC C4 Len Data, where Len is the length of Data and the Data is the Load File
	Data Block
	LOAD with DES DAP:
LOAD	'80 E6 P1 P2 LC E2 YY 4F XX AID C3 08 Sign C4 Len Data, where Sign is the Load File Data Block DES Signature,
	XX is the length of the AID of the Security Domain with DAP verification privilege,
	YY is the length of DAP block, i.e. YY=08+XX,
	Len is the length of Data,
	Data is the Load File Data Block
GET RESPONSE	'00 C0 00 00 Len' where Len is the length of data available
GET STATUS	'80 F2 P1 02 02 4F 00 00'
GET DATA	'80 CA P1 P2 00'
	STORE DATA with arbitrary value (DGI format): '80/84 E2 88 00 13 00 70 10 00 01 02 03 04 05 06
	07 08 09 0A 0B 0C 0D 0E 0F '
STORE DATA	STORE DATA with Forbidden Load File List: '80/84 E2 80 00 LC BE XX 4F Len 3rdSD-AID 4F Len
	FLF-AID', 3rdSD is Third Party Security Domain AID and FLF-AID is Forbidden Executable Load
	File #1 AID
	PUT KEY command with new 3DES 3 keys:
	84 D8 00 81 Len KVN FF 82 18 XXXX 03 YY YY YY 01 18 01 00 FF 82 18 XXXX 03 YY YY YY
	01 14 01 00 FF 82 18 XXXX 03 YY YY YY 01 48 01 00 MAC 00', where XXXX is the coded key
	value, YY YY is the key check value and the KVN (key version number) should be chosen from
	the set of possible version numbers that are not already in use.
	PUT KEY command with new 3DES 2 keys:
	184 D8 00 81 Len KVN FF 82 10 XXXX 03 YY YY YY 01 18 01 00 FF 82 10 XXXX 03 YY YY YY
	01 14 01 00 FF 82 10 XXXX 03 YY YY YY 01 48 01 00 MAC 00', where XXXX is the coded key
	value, YY YY is the key check value and the KVN (key version number) should be chosen from the set of possible version numbers that are not already in use.
PUT KEY	PUT KEY command with new DES keys:
	'84 D8 00 81 Len KVN FF 83 08 XXXX 03 YY YY YY 01 18 01 00 FF 83 08 XXXX 03 YY YY YY
	01 14 01 00 FF 83 08 XXXX 03 YY YY YY 01 48 01 00 MAC 00', where XXXX is the coded key
	value, YY YY is the key check value and the KVN (key version number) should be chosen from
	the set of possible version numbers that are not already in use
	PUT KEY command with existing DES keys
	'84 D8 KVN 01 Len FF 83 08 XXX 03 YY YY Y 01 18 01 00 MAC 00', where XXXX is the coded
	key value, YY YY YY is the key check value and the KVN (key version number) should be the one
	that already exists.
	PUT KEY command with new 16 bytes AES key:
	84 D8 00 81 Len KVN FF 88 10 XXXX 03 YY YY YY 01 18 01 00 FF 88 10 XXXX 03 YY YY YY

Command	Description
	01 14 01 00 FF 88 10 XXXX 03 YY YY YY 01 48 01 00 MAC 00', where XXXX is the coded key
	value, YY YY YY is the key check value and the KVN (key version number) should be chosen from
	the set of possible version numbers that are not already in use
	PUT KEY command with new 24 bytes AES key
	84 D8 00 81 Len KVN FF 88 18 XXXX 03 YY YY YY 01 18 01 00 FF 88 18 XXXX 03 YY YY YY
	01 14 01 00 FF 88 18 XXXX 03 YY YY YY 01 48 01 00 MAC 00', where XXXX is the coded key
	value, YY YY YY is the key check value and the KVN (key version number) should be chosen from
	the set of possible version numbers that are not already in use
	PUT KEY command with new 32 bytes AES key
	84 D8 00 81 Len KVN FF 88 20 XXXX 03 YY YY YY 01 18 01 00 FF 88 20 XXXX 03 YY YY YY
	01 14 01 00 FF 88 20 XXXX 03 YY YY YY 01 48 01 00 MAC 00', where XXXX is the coded key
	value, YY YY YY is the key check value and the KVN (key version number) should be chosen from
	the set of possible version numbers that are not already in use
	PUT KEY command with 24 bytes AES (error)
	84 D8 00 81 Len KVN FF 88 18 XXXX 03 YY YY YY 01 18 01 00 FF 88 18 XXXX 03 YY YY YY
	01 14 01 00 FF 88 10 XXXX 03 YY YY YY 01 48 01 00 MAC 00', where XXXX is the coded key
	value, YY YY YY is the key check value and the KVN (key version number) should be chosen from
	the set of possible version numbers that are not already in use
	PUT KEY command with 32 bytes AES (error)
	'84 D8 00 81 Len KVN FF 88 20 XXXX 03 YY YY YY 01 18 01 00 FF 88 20 XXXX 03 YY YY YY
	01 14 01 00 FF 88 10 XXXX 03 YY YY YY 01 48 01 00 MAC 00', where XXXX is the coded key
	value, YY YY YY is the key check value and the KVN (key version number) should be chosen from
	the set of possible version numbers that are not already in use.

C.2 Remote APDU Format

C.2.1 Compact Remote Application Data Format

FFS

C.2.2 Expanded Remote Application Data Format

C.2.2.1 C-APDU TLV

Definite length coding

'AA LEN

22 LEN APDU1

... 22 LEN APDUx'

Indefinite length coding

'AE 80

22 LEN APDU1

... 22 LEN APDUx 00 00'

C.2.2.2 Immediate Action TLV

Definite length coding

• Normal format

'AA LEN

81 LEN PRO_CMD1

```
81 LEN PRO_CMDx'
```

• Referenced format

```
'AA LEN
81 01 81
22 LEN PRO_CMD1,
Or
81 01 82
22 LEN PRO_CMD2
Or
81 01 YX (see note2)'
```

Indefinite length coding

Normal format

```
'AE 80
81 LEN PRO_CMD1
.....
81 LEN PRO_CMDx
00 00'
```

• Referenced format

```
'AE 80
81 01 81
22 LEN PRO_CMD1,
81 01 82
22 LEN PRO_CMD2,
81 01 YX (see note 2)
00 00'
```

PRO_CMDx shall be a set of COMPREHENSION-TLV data objects constituting one of the allowed proactive commands specified for immediate action; i.e. DISPLAY TEXT, PLAY TONE or REFRESH.

NOTE 1: Void.

NOTE 2: This byte has value between '01' to '7F': Reference to a record in EF_{RMA}.

C.2.2.3 Error Action TLV

Definite length coding:

Normal format

```
'AA LEN
82 LEN PRO_CMD1'
```

• Referenced format

'AA LEN

82 01 YX (see note 2)'

• No Action

'AA 02

82 00'

Indefinite length coding:

• Normal format

'AE 80

82 LEN PRO_CMD1

00 00'

Referenced format

'AE 80

82 01 YX (see note 2)

00 00'

No Action

'AE 02

82 00

00 00'

NOTE 1: PRO CMDx should be one of the allowed proactive commands specified for immediate action; i.e. DISPLAY TEXT or PLAY TONE.

NOTE 2: This byte has value between '01' to '7F': Reference to a record in EF_{RMA} .

C.2.2.4 Script Chaining TLV

• Definite length coding

'AA len 83 01 XX CMD TLV1 CMD TLVx' with 'XX'=Script Chaining Value

• Indefinite length coding

'AE 80 83 01 XX 00 00' with 'XX'=Script Chaining Value

Annex D (informative): Full command structure sample

D.1 Formatted SMS with PoR required - default

FFS

D.2 CAT-TP - default

FFS

D.3 HTTPS - default

FFS

Annex E (normative): AID and TAR values

E.1 UICC shared file system remote file management application

Description	TAR
Compact Format as defined in ETSI TS 101 220 [6]	TAR1: 'B0 00 00'
Expanded Format or automatic data format detection as defined in ETSI TS 101 220 [6]	TAR3: 'B0 01 20'

E.2 ADF remote file management application

Description	TAR
Compact Format as defined in ETSI TS 101 220 [6]	TAR2: 'B0 00 01'
For Expanded Format or automatic data format detection as defined in ETSI TS 101 220 [6]	TAR4: 'B0 01 40'

E.3 AID and TAR

Applet AID	AID	TAR	Description
AID1	FFS	FFS	Toolkit Test Applet
AID2	FFS	FFS	SIM Toolkit application with menu
AID3	FFS	FFS	UICC Toolkit application with menu
AID4			SIM Toolkit application with menu and UICC Toolkit application with menu combined
AID5			UICC Toolkit Admin Access application
AID6			SIM Toolkit Access application to update EF_TARU, EF_TNU, EF_TUACP
AID7			SIM Toolkit Access application to update EF_TARU
AID8			UICC Toolkit Access application to update EF_TARU, EF_TNU, EF_TUACP
AID9			UICC Toolkit Access application to update EF_TARU
AID10	FFS	FFS	SIM Toolkit application with Proactive Session: Check Application Priority
AID11	FFS	FFS	SIM Toolkit application with Proactive Session: Check Application Priority
AID12			UICC Toolkit application with Proactive Session: Check Application Priority
AID13	FFS	FFS	UICC Toolkit application with Proactive Session: Check Application Priority
AID14	FFS	FFS	SIM Toolkit application with menu
AID15	FFS	FFS	UICC Toolkit application with menu
AID16	FFS	FFS	SIM Toolkit application with menu
AID17	FFS	FFS	UICC Toolkit application with menu
AID18			UICC Toolkit Access and Admin Access application with menu to update EF_TARUB
AID19	FFS	FFS	Contactless application - Reader mode typeA
AID20	FFS	FFS	Contactless application - Reader mode typeB
AID21	FFS	FFS	Contactless application - Card Emulation
AID30			UICC Toolkit application, sends proactive command for DISPLAY TEXT
AID31	FFS	FFS	UICC Toolkit application, sends proactive command to PLAY TONE
AID32	FFS	FFS	UICC Toolkit application, sends proactive command to REFRESH
AID33	FFS	FFS	UICC Toolkit application, starts proactive session with data defined in EFRMA
AID34	FFS	FFS	UICC Toolkit application, sends Immediate Action Error upon DISPLAY TEXT
AID35			UICC Toolkit application, starts proactive session with DISPLAY TEXT on error
AID36	FFS	FFS	UICC Toolkit application, starts proactive session with PLAY TONE on error
AID40	FFS	FFS	Application Provider SD

Annex F (informative): FFS requirements

RQ No.	Clause	Description
RQ01_0006	4	Warnings or procedure bytes do not halt processing of the command list.
RQ01_0011	4	If changes in the logical state have occurred that the terminal needs to be aware of, the application on the UICC may issue a REFRESH command according to ETSI TS 102 223 [4].
RQ02_0106	5.1.1	In case the data is truncated in the response, the remaining bytes are lost and the status words shall be set to '62 F1'.
RQ02_0107	5.1.1	The limitation of 256 bytes does not apply for the length of the response data.
RQ02_0403	5.2.1.1	In case the data is truncated in the response of a C-APDU, the status words for this C-APDU shall be set to '62 F1' in the corresponding R-APDU. This shall terminate the processing of the command list.
RQ02_0404	5.2.1.1	If a R-APDU fills the response buffer so that no further R-APDU can be included in the response scripting template, this shall terminate the processing of the command list.
RQ02_0505	5.2.1.2	In case of "proactive session indication", execution of the remaining script shall be suspended if a proactive session is ongoing.
RQ02_0506	5.2.1.2	In case of "proactive session indication", execution of the remaining script shall be suspended if a proactive session is ongoing. Script processing shall be resumed after the end of the proactive session. If the UICC cannot suspend the script execution, e.g. because there is not enough internal resources available, the UICC shall terminate the processing of the script and return a "suspension error" in the response data.
RQ02_0507	5.2.1.2	If no "proactive session indication" is present as first Command TLV and another proactive session is ongoing, proactive commands in the script shall be silently ignored.
RQ04_0106	7	If a non-shareable file is selected by the remembered file context, the mechanisms defined in ETSI TS 102 221 [3] limiting the access to non-shareable files shall apply.
RQ05_0303	8.2	if additional application provider security as defined in clause 10.2 is applied, the secure messaging as defined in GlobalPlatform Card Specification [5] shall not apply to RAM APDU commands and responses (e.g. MAC shall not be present in the command data field).
RQ05_0304	8.2	if additional application provider security as defined in clause 10.2 is applied, the class byte shall indicate that an APDU command includes no secure messaging.
RQ05_0303	8.2.1	Script chaining may be used for confidential application management as specified in clause 10 or to chain a sequence of STORE DATA commands. It has no effect for other commands.
RQ05_0304	8.2.1	Whenever Script chaining is present for RAM, it shall be processed as defined in the present document.
RQ05_0305	8.2.1	When using the Compact Remote Application data format and if an application session is saved beyond a command session as defined below, this session context shall be deleted upon card reset.
RQ05_0602	8.2.1.3	INSTALL [for personalization] and Install [for extradition] command described in GlobalPlatform Card Specification [5] are optional.
RQ05_0603	8.2.1.3	A UICC supporting confidential application management as specified in clause 10 [1] shall support INSTALL [for personalization].
RQ05_0604	8.2.1.3	If INSTALL [for personalization] and Install [for extradition] implemented, both commands shall follow the specification in the UICC Configuration [16].
RQ05_0607	8.2.1.3	When using the Compact Remote Application data format, the context established by INSTALL [for personalization] (if supported) shall be saved across command sessions until the STORE DATA command containing the last block.
RQ05_0806	8.2.1.3.2	In case of JavaCardTM applications, If the register() method is invoked the instance AID present in the INSTALL [for install] command and the AID within the Load File, as specified in GlobalPlatform Card Specification [5], should be the same.
RQ05_1103	8.2.1.3.2. 2.1	None of the toolkit resources will be accessible if the UICC Toolkit Application specific parameters are missing.
RQ05_1105	8.2.1.3.2. 2.1	Any additional parameters to RQ05_1104 shall be ignored by the card.
RQ05_1301	8.2.1.3.2. 2.3	The UICC toolkit parameters DAP is an optional signature. The card issuer's security policy may require the presence of this DAP.

RQ No.	Clause		Description						
RQ05_1302	8.2.1.3.2.	The input data used to compute UICC toolkit parameters DAP is the concatenation of							
	2.3	the following data:							
			Description		Length				
		Length of instance	1						
		Instance AID Length of UICC	5 to 16						
		UICC Toolkit par	n						
		0100 Toolkit pai	anctors						
		The key used to comp	pute this DAP is: Key identifier '02' o	of Key Version	on number '11' in				
		the Issuer Security De							
RQ05_1303	8.2.1.3.2.		y type for DAP, if padding is require	d by the algo	orithm, the data is				
11000_1000	2.3	appended by '80' and	I filled up with zero or more '00'.						
RQ05_1304	8.2.1.3.2.		y type for DAP, if DES is used, MAC	in CBC mo	de with initial				
	2.3 8.2.1.3.2.	chaining value set to	y type for DAP, if AES [13] is used,	CMAC mode	115] shall be used				
RQ05_1305	2.3		C shall be associated with the key.	CIVIAC IIIOGE	[15] Shall be used.				
D005 4504	8.2.1.3.2.		anage the position of the Menu Entr	ies for Toolk	it Application				
RQ05_1504	3	Specific Parameters i	is defined in ETSI TS 102 241 [7].		• •				
RQ05_1507	8.2.1.3.2.	If the requested item	identifier for Toolkit Application Spe	cific Parame	ters is '00', the card				
11007	3		e value in the range [128255].						
RQ05_2102	8.2.1.3.2.		Data for UICC access mechanism s	hall be chec	ked against SE ID				
	5.2 8.2.1.3.2.	The Access Domain I	efined in ETSI TS 102 221 [3]. DAP is an optional signature. The so	acurity policy	of the provider of				
RQ05_2201	5.3	the application to whi	ch the file system belongs may requ	ire the prese	ence of this DAP				
RQ05_2202	8.2.1.3.2.		o compute the Access Domain DAI						
	5.3	following data:							
			Description	Length					
			Length of instance AID	1					
			Instance AID	5 to 16					
			Length of File System AID	1					
			File System AID Length of Access Domain	0 or n					
			Access Domain	n					
RQ05_2203	8.2.1.3.2.		ed File system, the Length of File S	ystem AID is	0 and the File				
	5.3		esent in the Access Domain DAP.	. 1 10	201 (14)/ :				
		Ine key used to comp	pute the Access Domain DAP is: Ke curity Domain associated to the app	y identifier (bich the File System				
RQ05_2204	8.2.1.3.2.		ICC shared file system, the associa						
	5.3		ain or another Security Domain, dep						
		security policy.							
RQ05_2205	8.2.1.3.2.		y type for the Access Domain DAP,						
	5.3		appended by '80' and filled up with						
RQ05_2206	8.2.1.3.2.		y type for the Access Domain DAP,	IT DES IS US	ea, MAC IN CBC				
	5.3 8.2.1.3.2.		e set to zero shall be used. y type for the Access Domain DAP,	if AFS [13] is	sused CMAC				
RQ05_2207	5.3		sed. The length of the MAC shall be						
DO05 2000			LETED Life Cycle State may be ret						
RQ05_3202	8.2.1.6	Platform Card Specifi	cation 2.0.1 [8].		•				
			pact Remote Application data forma						
RQ05_3204	8.2.1.6	GET STATUS [get first or all occurrence(s)] shall be saved across command sessions as							
			data related to the initial GET STATI	US comman	d is available on the				
	1	If a LICC contains an	Application Provider Security Doma	ain with Dele	nated Management				
RQ05_3403	8.2.1.7		les '42' and '45' shall be supported b						
		UICC Configuration for		., iob ac					
			L -1						

Annex G (informative): Core specification version information

Unless otherwise specified, the versions of ETSI TS 102 226 [1] from which conformance requirements have been extracted are as follows.

Release	Latest version from which conformance requirements have been extracted
11.1	V11.2.0

Annex H (informative): Change History

	Change history							
Date	Meeting	Plenary Doc	CR	Rev	Cat	Subject/Comment	Old	New
2018	SCP-84	SCP(18)000153r1	6	1	F	Correction of the length in the expected	11.0.0	11.1.0
						Response Scripting Template		
2018	SCP-84	SCP(18)000154	7		F	Correction of the number of executed command	11.0.0	11.1.0
						and response TAG in the expected response		
2018	SCP-84	SCP(18)000155	8		F	Correction of increase and install [for install]	11.0.0	11.1.0
						commands		
2018	SCP-84	SCP(18)000156	9		F	Correction of the SW for missing verify pin	11.0.0	11.1.0
2018	SCP-84	SCP(18)000157	10		F	Remove Select as case 4	11.0.0	11.1.0
2018	SCP-84	SCP(18)000158r1	11	1	F	Correction of wrong definition of EF _{LF4R4b}	11.0.0	11.1.0
2018	SCP-84	SCP(18)000160	13		F	Correction for Search Record command with	11.0.0	11.1.0
						wrong P1		
2018	SCP-84	SCP(18)000161	14		F	Correction of wrong number of executed	11.0.0	11.1.0
						commands		
2018	SCP-84	SCP(18)000162	15		F	Add select by path from MF	11.0.0	11.1.0
2018	SCP-84	SCP(18)000163	16		F	Addition of missing additional data for Delete	11.0.0	11.1.0
						command		
2018	SCP-84	SCP(18)000164	17		F	Addition of "unknown application" missing in	11.0.0	11.1.0
						case of HTTPS		
2018	SCP-84	SCP(18)000165	18		F	Send the put key command to SD	11.0.0	11.1.0
2018	SCP-84	SCP(18)000166r1	19	1	F	GET STATUS command sent to SD	11.0.0	11.1.0
2018	SCP-84	SCP(18)000167r1	20	1	F	Add Cyclic file for Increase command tests	11.0.0	11.1.0
2018	SCP-84	SCP(18)000168	21		F	Correction of wrong number of expected	11.0.0	11.1.0
						commands		
2018		SCP(18)000223	22		F	Clarification on Note about HTTP protocol	11.0.0	11.1.0
2018	SCP-85	SCP(18)000224r1	23		F	Correction of length in the expected response	11.0.0	11.1.0
						AB tag		
2018	SCP-85	SCP(18)000225	24		F	Correction of EF RMA	11.0.0	11.1.0

History

Document history							
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V11.1.0	March 2019	Publication					