## ETSI TS 101 220 V18.0.0 (2024-05)



Smart Cards; ETSI numbering system for telecommunication application providers (Release 18)

# Reference RTS/SET-T101220vi00 Keywords 3G, 4G, 5G, GSM, ID, smart card

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#### **Foreword**

This Technical Specification (TS) has been produced by ETSI Technical Committee Secure Element Technologies (SET).

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### 1 Scope

The present document provides for the administration of shared name spaces in use by applications on the UICC including the managed allocation of identifiers from these name spaces.

### 2 References

#### 2.1 Normative references

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

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

[1]	Void.
[2]	Recommendation ITU-T E.164: "The international public telecommunication numbering plan".
[3]	ISO/IEC 7816-4: "Identification cards - Integrated circuit cards - Part 4: Organization, security and commands for interchange".
[4]	Recommendation ITU-T E.118: "The international telecommunication charge card".
[5]	Void.
[6]	ETSI TS 151 011: "Digital cellular telecommunications system (Phase 2+); Specification of the Subscriber Identity Module - Mobile Equipment (SIM-ME) interface (3GPP TS 51.011)".
[7]	ETSI TS 101 267: "Digital cellular telecommunications system (Phase 2+); Specification of the SIM Application Toolkit (SAT) for the Subscriber Identity Module - Mobile Equipment (SIM-ME) interface (3GPP TS 11.14)".
[8]	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)".
[9]	ETSI EN 300 812-3: "Terrestrial Trunked Radio (TETRA); Subscriber Identity Module to Mobile Equipment (SIM-ME) interface; Part 3: Integrated Circuit (IC); Physical, logical and TSIM application characteristics".
[10]	ETSI TS 131 101: "Universal Mobile Telecommunications System (UMTS); LTE; 5G; UICC-terminal interface; Physical and logical characteristics (3GPP TS 31.101)".
[11]	ETSI TS 131 102: "Universal Mobile Telecommunications System (UMTS); LTE; 5G; Characteristics of the Universal Subscriber Identity Module (USIM) application (3GPP TS 31.102)".
[12]	ETSI TS 131 111: "Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; 5G; Universal Subscriber Identity Module (USIM) Application Toolkit (USAT) (3GPP TS 31.111)".

[13]	ETSI TS 131 114: "Universal Mobile Telecommunications System (UMTS); LTE; Universal Subscriber Identity Module Application Toolkit (USAT) interpreter protocol and administration (3GPP TS 31.114)".
[14]	ETSI TS 131 103: "Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; 5G; Characteristics of the IP Multimedia Services Identity Module (ISIM) application (3GPP TS 31.103)".
[15]	ISO/IEC 8825-1: "Information technology - ASN.1 encoding rules - Part 1: Specification of Basic Encoding Rules (BER), Canonical Encoding Rules (CER) and Distinguished Encoding Rules (DER)".
[16]	ISO/IEC 7816-6: "Identification cards - Integrated circuit cards - Part 6: Interindustry data elements for interchange".
[17]	ETSI TS 102 241: "Smart Cards; UICC Application Programming Interface (UICC API) for Java Card <sup>TM</sup> ".
[18]	ETSI TS 131 130: "Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; 5G; (U)SIM Application Programming Interface (API); (U)SIM API for Java <sup>TM</sup> Card (3GPP TS 31.130)".
[19]	ETSI TS 102 226: "Smart Cards; Remote APDU structure for UICC based applications".
[20]	ETSI TS 131 116: "Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Remote APDU Structure for (U)SIM Toolkit applications (3GPP TS 31.116)".
[21]	Void.
[22]	ETSI TS 102 474: "Digital Video Broadcasting (DVB); IP Datacast over DVB-H: Service Purchase and Protection".
[23]	Void.
[24]	ETSI TS 131 133: "Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; IP Multimedia Services Identity Module (ISIM) Application Programming Interface (API); ISIM API for Java Card <sup>TM</sup> (3GPP TS 31.133)".
[25]	OMA-TS-Smartcard-Web-Server-V1-0: "Smartcard-Web-Server".
[26]	ETSI TS 102 225: "Smart Cards; Secured packet structure for UICC based applications".
[27]	ETSI TS 131 221: "Universal Mobile Telecommunications System (UMTS); LTE; Contact Manager Application Programming Interface (API); Contact Manager API for Java Card (3GPP TS 31.221)".
[28]	3GPP2 C.S0065-0: "cdma2000 Application on UICC for Spread Spectrum Systems".
[29]	Void.
[30]	GlobalPlatform: "Remote Application Management over HTTP - Amendment B v1.2/GPC-SPE-011".
[31]	OMA-TS-BCAST-Services-V1-1: "Mobile Broadcast Services".
[32]	ETSI TS 102 921: "Machine-to-Machine communications (M2M); mIa, dIa and mId interfaces".
[33]	<u>ISO/IEC 7816-5:2004</u> : "Identification cards - Integrated circuit cards - Part 5: Registration of application providers".
[34]	ETSI TS 118 103: "oneM2M; Security solutions (oneM2M TS-0003)".
[35]	OMA-TS-LightweightM2M-V1-0: "Lightweight Machine to Machine Technical Specification".
[36]	ETSI TS 131 104: "Universal Mobile Telecommunications System (UMTS); LTE; Characteristics of the Hosting Party Subscription Identity Module (HPSIM) application (3GPP TS 31.104)".

[37]	GlobalPlatform: "Confidential Card Content Management - Amendment A v1.2/GPC-SPE-007".
[38]	IETF RFC 4122: "A Universally Unique IDentifier (UUID) URN Namespace".
[39]	ETSI TS 103 666-2: "Smart Secure Platform (SSP); Part 2: Integrated SSP (iSSP) characteristics (Release 15)".
[40]	ETSI TS 102 267: "Smart Cards; Connection Oriented Service API for the Java Card <sup>TM</sup> platform".
[41]	ETSI TS 102 588: "Smart Cards; Application invocation Application Programming Interface (API) by a UICC webserver for Java Card <sup>TM</sup> platform".
[42]	ETSI TS 102 705: "Smart Cards; UICC Application Programming Interface for Java Card <sup>TM</sup> for Contactless Applications".
[43]	ETSI TS 102 221: "Smart Cards; UICC-Terminal interface; Physical and logical characteristics".
[44]	GSMA SGP.22: "RSP Technical Specification".
[45]	GSMA SGP.32: "eSIM IoT Technical Specification".
[46]	<u>3GPP TS 31.105</u> : "3 <sup>rd</sup> Generation Partnership Project; Technical Specification Group Core Network and Terminals; Characteristics of the Slice Subscriber Identity Module application".

#### 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.

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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 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 and abbreviations

#### 3.1 Terms

For the purposes of the present document, the following terms apply:

Application IDentifier (AID): data element, which identifies an application in a card

NOTE: An AID may contain a Registered application provider IDentifier (RID). If it contains either a RID or an issuer identification number, then this identification is unambiguous (see ISO/IEC 7816-4 [3]).

**Application Provider (AP):** entity, which provides those components of an application on a card, required to perform the respective application

NOTE: See ISO/IEC 7816-4 [3].

data object: structured data seen on an interface consisting of the concatenation of a mandatory tag field, a mandatory length field and an optional value field

**Logical Secure Element (LSE):** secure element functionalities, applications and files grouped together to act like a secure element (e.g. UICC) when multiple logical secure element interfaces are supported as defined in ETSI TS 102 221 [43]

**Logical Secure element Interface (LSI):** logical connection between an endpoint in the terminal and one logical secure element as defined in ETSI TS 102 221 [43]

tag: nominal datum that encodes the name of a data object

telecommunication IC card application: application described by an ETSI document

**template:** definition of a set of TLV data objects forming the value field of a constructed BER-TLV data object and a data object that realizes this definition

**Toolkit Application Reference (TAR):** data element, which identifies an application in the toolkit mechanisms (e.g. SMS Data Download)

#### 3.2 Symbols

Void.

#### 3.3 Abbreviations

For the purposes of the present document, the following abbreviations apply:

1M2MSM oneM2M Service Module AID Application IDentifier AP Application Provider

APDU Application Protocol Data Unit API Application Program Interface

AT ATtention

BCD Binary Coded Decimal BER Basic Encoding Rules

BSSID Basic SSID

CAT Card Application Toolkit

CBMS Convergence of Broadcast and Mobile Services

CR Comprehension Required

CSIM Cdma2000 Subscriber Identify Module

DECT Digital Enhanced Cordless Telecommunications

DM Device Management
DNS Domain Name System
DTMF Dual Tone Multi Frequency

eCAT encapsulated CAT eUICC embedded UICC

GAD Geographical Area Description

GSM Global System for Mobile communication

GSMA GSM Association

HESSID Homogeneous Extended SSID

HPSIM Hosting Party Subscription Identity Module

IC Integrated Circuit(s)
ICC Integrated Circuit Card

ID IDentifier

IMSI International Mobile Subscriber Identity

IP Internet Protocol

ISIM IP multimedia Services Identity Module ISO International Organization for Standardization

I-WLAN Interworking - WLAN LSE Logical Secure Element

LSI Logical Secure element Interface

LTE Long Term Evolution LWM2M LightWeight M2M

M2M Machine to Machine

M2MSM M2M Service Module application on UICC

MAC Medium Access Control MMS Multimedia Message Service

NG-RAN Next Generation - Radio Access Network

NID Namespace IDentifier

NMEA National Maritime Electronic Association

NSS Namespace Specific String

PDU Protocol Data Unit

PIX Proprietary application Identifier eXtension

ProSe Proximity-based Services RFU Reserved for Future Use

RID Registered application provider IDentifier

RSP Remote SIM Provisioning
SA Security Association
SCP Smart Card Platform
SIM Subscriber Identity Module
SM Session Management
SMS-PP SMS Point-to-Point

SoR-CMCI Steering of Roaming Connected Mode Control Information

SSID Service Set IDentifier SSP Smart Secure Platform

SUPI SUbscription Permanent Identifier TAR Toolkit Application Reference

TC Technical Committee
TETRA TErrestrial Trunked RAdio

TLV Tag-Length-Value TP Transport Protocol

UMTS Universal Mobile Telecommunications System UPT Universal Personal Telecommunications

URL Uniform Resource Locator
URN Uniform Resource Name
USAT USIM Application Toolkit

USIM Universal Subscriber Identity Module
USSD Unstructured Supplementary Services Data
UTRAN Universal Terrestrial Radio Access Network

UUID Universally Unique IDentifier

WiMAX Worldwide interoperability for Microwave Access

## 4 Structure of the Application IDentifier (AID)

#### 4.0 Introduction

In accordance with ISO/IEC 7816-4 [3], the AID has the following structure.

<> Application IDentifier (AID)>							
Registered application provider IDentifier Proprietary application Identifier eXtension							
(RID)	(PIX)						
<>	<>						

Figure 4.1: AID structure

The AID consists of a Registered application provider IDentifier (RID) of 5 bytes and a Proprietary application Identifier eXtension (PIX) of up to 11 bytes.

### 4.1 Registered application provider IDentifier (RID)

The RIDs dealt with in the present document, as registered by ISO/IEC according to ISO/IEC 7816-5 [33], are:

- 'A00000009' for ETSI;
- 'A000000087' for the 3GPP;
- 'A000000343' for the 3GPP2;
- 'A000000645' for the oneM2M.

The following RIDs are for informational purposes only. These RIDs and associated PIXs are maintained by the respective bodies:

- 'A000000412' for the OMA;
- 'A000000424' for the WiMAX Forum.

### 4.2 Proprietary application Identifier eXtension (PIX)

The PIX is used at the discretion of ETSI and can contain between 7 bytes and 11 bytes of information. The PIX is coded in hexadecimal. Hexadecimal digit 1 is the most significant digit.

#### Digits 1 to 4 Application code

Purpose: To be used for identification of the standardized ETSI or 3G card application

(e.g. GSM, DECT, UPT, pre-paid application). Different versions of an

application may have individual codings.

Management: Assigned by ETSI on request from the ETSI or 3G technical body

responsible for the document in question.

Coding: Hexadecimal. The coding indicates the ETSI or 3G document that specifies

the standardized ETSI or 3G card application and the PIX number.

The correspondence between digits 1 to 4 and the ETSI or 3G document in question can be seen in a list maintained by the ETSI Secretariat (see

annex A). Escape value '0000' is reserved for use by the ETSI Secretariat for

proprietary ETSI or 3G applications.

Digits 5 to 8 Country code

Purpose: To indicate the country of the application provider of the ETSI or

3G standardized application.

Coding: According to Recommendation ITU-T E.164 [2]. The coding is right justified

and padded with 'F' on the left.

NOTE 1: List of actual country codes is published by ITU.

#### Digits 9 to 14 Application provider code

Purpose: Individual code for the application provider of the ETSI or 3G standardized

application.

Coding: According to Recommendation ITU-T E.118 [4]. Hexadecimal. The coding is

right justified and padded with 'F' on the left.

#### Digits 15 up to 22 Application provider field Optional. Up to 8 digits

Purpose: The use of this field is entirely up to the application provider. It may, for

instance, be used to indicate "local" versions, revisions, etc. of the ETSI or 3G standardized application. According to ISO/IEC 7816-4 [3], if the AID is 16 bytes long, then the value 'FF' for the least significant byte (digits 21 and

22) is reserved for future use.

Management: Application provider.

Coding: Hexadecimal.

NOTE 2: Digits 1 to 14 are assigned and registered by the ETSI Secretariat upon request by the responsible ETSI technical body.

### 5 Use of the Application IDentifier (AID)

The use of the AID is specified in ISO/IEC 7816-4 [3]. For a UICC supporting LSEs, AID values are unique in the scope of each LSE.

### 6 Toolkit Application Reference (TAR)

The Toolkit Application Reference (TAR) is used to uniquely identify a second level application (e.g. Toolkit Application). For a UICC supporting LSEs, TAR values are unique in the scope of each LSE.

To be addressed, the Toolkit Application needs a first level application (e.g. GSM, USIM application) running.

A second level application may have several TAR values assigned.

The TAR values in the range '00 00 01' to 'AF FF FF' and 'C0 00 00' to 'FF FF FF' are under the responsibility of the first level application issuer.

The TAR values '00 00 00' and in the range 'B0 00 00' to 'BF FF FF' are reserved for allocation (by the ETSI Technical Body responsible for the present document) to generic second level application independent of the first level application issuer.

It is not mandatory for a second level application to have a TAR value assigned. If a TAR value is assigned to a second level application it is not mandatory for this value to be included in the AID. As a consequence, the AID coding of the second level application might not always comply with the present document (see annex B).

Annex D lists the TAR values or range and their associated applications and application categories.

#### Table 6.1: Void

### 7 Tag-Length-Value (TLV) data objects

### 7.1 TLV data object forms

#### 7.1.0 Introduction

The encoding of data objects shall consist of three components that appear in the following order:

- 1) Tag (T).
- 2) Length (L).
- 3) Value (V).

The encoding of these components for each of the recognized forms of TLV is given in table 7.1.

Table 7.1

Name of TLV	Encoding of tag field	Encoding of length field	Encoding of value field
BER-TLV	See ISO/IEC 8825-1 [15]	See clause 7.1.2	See ISO/IEC 8825-1 [15]
COMPACT-TLV	See ISO/IEC 7816-4 [3]	See ISO/IEC 7816-4 [3]	See ISO/IEC 7816-4 [3]
COMPREHENSION-TLV	See clause 7.1.1	See clause 7.1.2	See ISO/IEC 7816-4 [3]

### 7.1.1 COMPREHENSION-TLV tag coding

#### 7.1.1.0 Introduction

COMPREHENSION-TLV tags can be in one of two formats: single byte and three-byte format.

The value of the first byte identifies the format used.

Table 7.2

First byte value	Format
'00'	Not used
'01' to '7E'	Single byte
'7F'	Three-byte
'80'	Reserved for future use
'81' to 'FE'	Single byte
'FF'	Not used

The same value in the different formats represents the same data object.

Unless otherwise stated, for COMPREHENSION-TLV it is the responsibility of the UICC application and the terminal to decide the value of the Comprehension Required (CR) flag for each data object in a given command.

Handling of the CR flag is the responsibility of the receiving entity.

Table 7.3

CR	Value
Comprehension required	1
Comprehension not required	0

#### 7.1.1.1 Single byte format

The tag is coded over one byte.

Table 7.4

8	7	6	5	4	3	2	1
CR	Tag v	alue					

CR: Comprehension required for this object.

#### 7.1.1.2 Three-byte format

The tag is coded over three bytes.

Table 7.5

Byte 1				Byt	e 2				Byte 3
	8	7	6	5	4	3	2	1	
Tag value format = '7F'	CR Tag value		alue						

Tag value format: Byte 1 equal to '7F' indicates that the tag is in the three-byte format:

- CR: Comprehension required for this object. Use and coding is the same as in single byte format.
- Tag value: Coded over 15 bits, with bit 7 of byte 2 as the most significant bit. Range is from '00 01' to '7F FF'.

#### 7.1.2 Length encoding

The length is coded onto 1, 2, 3 or 4 bytes according to table 7.6.

Table 7.6

Length	Byte 1	Byte 2	Byte 3	Byte 4
0 to 127	Length ('00' to '7F')	Not present	Not present	Not present
128 to 255	'81'	Length ('80' to 'FF')	Not present	Not present
256 to 65 535	'82'	Length ('01 00' to 'FF	FF')	Not present
65 536 to 16 777 215	'83'	Length ('01 00 00' to 'I	FF FF FF')	

### 7.2 Assigned TLV tag values

The assigned tag values given in the following tables are the tag values used by specifications referencing the present document. All unassigned tag values are reserved for future use.

Table 7.7

COMPACT-TLV tag	ATR data objects
'31'	Card Service Data
'73'	Card Capabilities

Table 7.8

BER-TLV tag	Templates
'61'	Application Template
'62'	FCP Template
'7B'	Security Environment Template

#### Table 7.9

BER-TLV tag	FCP template ('62')
'80'	File Size - Data
'81'	File Size - Total
'82'	File Descriptor
'83'	File Identifier
'84'	DF Name (AID)
'85'	Proprietary - Primitive
'88'	SFI Support
'8A'	Life Cycle Status
Security attribute	data object
'8B'	Security Attribute - Reference Format
'8C'	Security Attribute - Compact Format
'AB'	Security Attribute Template - Expanded Format
Proprietary templ	ate
'A5'	Proprietary Template
PIN Status data objects	
'C6'	PIN Status data objects

**Table 7.10** 

BER-TLV tag	Security attribute template ('AB')
Access Mode data objects	
'80'	Access Mode - Generic Command
'81' - '8F'	Access Mode - Command Description
'9C'	Proprietary State Machine
Security Condition data objects	
'90'	Security Condition - ALWAYS
'97'	Security Condition - NEVER
'9E'	Security Condition - Security Condition Byte
'A4'	Control reference Template
'A0'	Security Condition - OR Template
'AF'	Security Condition - AND Template

**Table 7.11** 

BER-TLV tag	Control reference template ('A4')
'83'	Key Reference
'95'	Usage Qualifier

**Table 7.12** 

BER-TLV tag	PIN Status data objects ('C6')
'83'	Key Reference
'90'	PIN Enabled/Disabled status byte(s)
'95'	Usage Qualifier

**Table 7.13** 

BER-TLV Tag	Proprietary template ('A5')
'80'	UICC Characteristics
'81'	Application Power Consumption
'82'	Minimum Application Clock Freq.
'83'	Amount of Available Memory
'84'	File details
'85'	Reserved file size
'86'	Maximum file size
'87'	Supported system commands
'88'	Specific UICC environmental conditions
'89'	Platform to Platform CAT Secured APDU
'C0'	Special File Information
'C1'	Filling Pattern
'C2'	Repeat Pattern

**Table 7.14** 

BER-TLV tag	Application template ('61')
'4F'	Application Identifier (AID)
'50'	Application Label
'51'	Path
'52'	Command to Perform
'53'	Discretionary Data
'73'	Discretionary Template
'5F50'	Uniform Resource Locator (URL)

**Table 7.15** 

BER-TLV tag	Discretionary template ('73') in EF DIR
'A0'	EAP Application service specific data content tag
'A1'	M2M service specific data content tag
'A2'	oneM2M service specific data content tag

**Table 7.16** 

BER-TLV Tag	Terminal capabilities template ('A9')
'80'	Terminal power supply
'81'	Extended logical channels terminal support
'82'	Additional interfaces support
'83'	eUICC-related capabilities (SGP.22 [44])
'84'	eUICC-related capabilities (SGP.32 [45])

**Table 7.17** 

BER-TLV tag	Card application toolkit templates
'CF'	Reserved for proprietary use (direction terminal to UICC)
'D0'	Proactive Command
'D1'	GSM/3GPP/3GPP2 - SMS-PP Download
'D2'	GSM/3GPP/3GPP2 - Cell Broadcast Download
'D3'	Menu Selection
'D4'	Call Control
'D5'	GSM/3GPP/3GPP2 - MO Short Message control
'D6'	Event Download
'D7'	Timer Expiration
'D8'	Reserved for intra-UICC communication and not visible on the card interface
'D9'	3GPP/3GPP2 - USSD Download
'DA'	MMS Transfer status
'DB'	MMS notification download
'DC'	Terminal application tag
'DD'	3GPP - Geographical Location Reporting tag
'DE'	Envelope Container
'DF'	3GPP - ProSe Report tag
'E0'	Reserved for 3GPP (for future usage)
'E1'	Reserved for 3GPP (for future usage)
'E2'	Reserved for 3GPP (for future usage)
'E3'	Reserved for 3GPP (for future usage)
'E4'	Reserved for GSMA (direction terminal to UICC)

**Table 7.18** 

BER-TLV tag	Remote Management Application Data templates
'01'	reserved for OMA SCWS [25]
'81'	reserved for OMA SCWS [25] and GlobalPlatform Card Specification Amd. B [30]
'A2'	Reserved for GSMA RSP
'AA'	Command Scripting Template for definite length coding
'AB'	Response Scripting Template for definite length coding
'AE'	Command Scripting Template for indefinite length coding
'AF'	Response Scripting Template for indefinite length coding
NOTE: Tag valu	es with b2 and b1 set to 0 shall not be assigned to avoid conflicts with automatic
application data format detection defined in ETSI TS 102 226 [19].	

**Table 7.19** 

BER-TLV tag	Command Scripting template ('AA' or 'AE')
'22'	C-APDU tag (see note)
'81'	Immediate Action tag
'82'	Error Action tag
'83'	Script Chaining tag
NOTE: When us	ed in this template, the CR flag for this tag shall be set to 0.

**Table 7.20** 

BER-TLV tag	Response Scripting template ('AB' or 'AF')							
'23'	R-APDU tag (see note)							
'80'	Number of executed C-APDUs tag (for Release 6)							
'80'	Number of executed command TLV objects tag (for Release 7 onwards)							
'81'	Immediate Action Response tag							
'83'	Script Chaining Response tag							
'90'	Bad format tag							
NOTE: When us								

**Table 7.21** 

BER-TLV tag	Manage Secure Channel command					
'81'	UICC_ID TLV					
'82'	Endpoint information TLV					
'83'	Term label - Terminal_ID TLV					
'84'	Term label - Terminal_appli_ID TLV					
'85'	Term label - UICC_Identifier TLV					
'86'	Term label - UICC_appli_ID TLV					
'87'	Key Agreement Mechanism TLV					
'88'	MSA_ID TLV					
'89'	Algorithm and Integrity TLV					
'8A'	Tnonce TLV					
'8B'	CSA_ID TLV					
'8C'	Unonce TLV					
'8D'	SSCMAC TLV					
'8E'	Endpoint data container size TLV					
'8F'	CSAMAC TLV					

**Table 7.22** 

BER-TLV tag	Transact Data command						
'80'	Secure Channel TLV						
'81'	Encrypted Data BER TLV						
'82'	Command APDU BER TLV						
'83'	Response APDU BER TLV						

**Table 7.23** 

COMPREHENSION- TLV tag (CR and Tag value)	Card application toolkit data objects	Length of tag	Tag value, bits 1 - 7 (Range: '01' - '7E')	Reassign
'01' or '81'	Command details tag	1	'01'	No
'02' or '82'	Device identity tag	1	'02'	No
'03' or '83'	Result tag	1	'03'	No
'04' or '84'	Duration tag	1	'04'	No
'05' or '85'	Alpha identifier tag	1	'05'	No
'06' or '86'	Address tag	1	'06'	Yes
'07' or '87'	Capability configuration parameters tag	1	'07'	Yes
'08' or '88'	Subaddress tag	1	'08'	Yes
'09' or '89'	Reserved for 3GPP (SS string tag)	1	'09'	Yes
	Reserved for 3GPP (BSSID tag)			
	Reserved for 3GPP (PLMN ID tag)			
	Reserved for 3GPP (E-UTRAN Timing Advance tag)			
'0A' or '8A'	Reserved for 3GPP/3GPP2 (USSD string tag)	1	'0A'	Yes
	Reserved for 3GPP (HESSID tag)			
'0B' or '8B'	Reserved for 3GPP (SMS TPDU tag)	1	'0B'	Yes
	Reserved for 3GPP (PDP/PDN/PDU type tag)			
'0C' or '8C'	Reserved for 3GPP (Cell Broadcast page tag)	1	'0C'	Yes
	Reserved for 3GPP (PDU session establishment			
	parameters tag)			
'0D' or '8D'	Text string tag	1	'0D'	NR
'0E' or '8E'	Tone tag	1	'0E'	Yes
	eCAT client profile tag			
'0F' or '8F'	Item tag	1	'0F'	Yes
	eCAT client identity tag			
'10' or '90'	Item identifier tag	1	'10'	Yes
	Encapsulated envelope type tag			
'11' or '91'	Response length tag	1	'11'	Yes
	Call control result tag			
'12' or '92'	File List tag	1	'12'	Yes
	CAT service list tag			
	LSI numbers tag			

14' or '94'   MEI tag	COMPREHENSION- TLV tag (CR and Tag value)	Card application toolkit data objects	Length of tag	Tag value, bits 1 - 7 (Range: '01' - '7E')	Reassign		
15 or 95			1	'13'	Yes		
16		IMEI tag	1		Yes		
17 or 97	15' or '95'	Help request tag	1		Yes		
18	16' or '96'	Network Measurement Results tag	1		Yes		
19   19   19   19   19   19   14   19   14   19   14   17   18   19   14   19   14   19   14   19   14   19   14   19   14   19   19	17' or '97'	Default Text tag	1	'17'	Yes		
19   19   19   19   19   19   19   14   19   14   17   19   14   17   19   17   18   19   19   19   10   19   10   19   10   19   10   19   10   19   10   19   10   19   10   19   10   19   10   19   10   19   10   19   10   19   10   19   19	18' only	Items Next Action Indicator tag	1	'18'	Yes		
18 or 98	19' or '99'	Event list tag					
1	1A' or '9A'	Reserved for 3GPP (Cause tag)	1	'1A'	Yes		
		,	1	'1B'	Yes		
1D or 9D   Reserved for 3GPP (BCCH channel list tag)			1		Yes		
1F or 9E'   Item Icon identifier tag	1D' or '9D'	Reserved for 3GPP (BCCH channel list tag)	1		Yes		
IF or '9F'   Item Icon identifier list tag			1	'4 E'	No		
20' or 'AO'							
221 or 'A11   Card ATR tag					Yes		
CAT sequence number tag					Yes		
22 or 'A2'			1	'21'	Yes		
Encrypted TLV list tag							
23 or 'A3'   R-APDU tag	<u> </u>	<u> </u>	1	'22'	Yes		
SA template tag   1   24'   24'   25'   71'   71'   72'   11'   725'   726'   736'				1001			
1			1	'23'	Yes		
25' or 'A5'   Timer value tag							
26' or 'A6'   Date-Time and Time zone tag		C			Yes		
27' or 'A7'   Call control requested action tag		<u> </u>			Yes		
28' or 'A8'					Yes		
29' or 'A9'	27' or 'A7'	Call control requested action tag	1		Yes		
2A' or 'AA'   Reserved for 3GPP (BC Repeat Indicator tag)   Reserved for 3GPP (Data connection type tag)   1   '2A'	28' or 'A8'	AT Command tag	1	'28'	Yes		
Reserved for 3GPP (Data connection type tag)	29' or 'A9'	AT Response tag	1	'29'	Yes		
Reserved for 3GPP (Data connection type tag)	2A' or 'AA'	Reserved for 3GPP (BC Repeat Indicator tag)	1	'2A'	Yes		
2B' or 'AB'   Immediate response tag							
2C' or 'AC'   DTMF string tag			1	'2B'	Yes		
2D' or 'AD'			1		Yes		
ZE' or 'AE'   Reserved for 3GPP (Timing Advance tag)   1   '2E'     Reserved for 3GPP ((E/5G)SM cause tag)   1   '2F'     Reserved for 3GPP ((E/5G)SM cause tag)   1   '2F'     Reserved for 3GPP (IMS URI tag)   1   '30'     Sat' or 'B1'   URL tag   1   '31'     Reserved for 3GPP (IMS URI tag)   1   '31'     Reserved for 3GPP (IMS URI tag)   Reserved for 3GPP (IMS URI tag)     Reserved for 3GPP (NG-RAN/Satellite NG-RAN Primary Timing Advance Information)     Sat' or 'B2'   Bearer tag   1   '32'     Sat' or 'B3'   Provisioning Reference File tag   1   '34'     Supported Radio Access Technologies tag   1   '34'     Supported Radio Access Technologies tag   1   '35'     Sof 'B5'   Bearer description tag   1   '35'     Sat' or 'B6'   Channel data tag   1   '36'     Sat' or 'B7'   Channel data length tag   1   '37'     Sat' or 'B8'   Channel status tag   1   '38'     Sat' or 'B8'   Channel status tag   1   '38'     Sat' or 'B8'   Card reader identifier tag   1   '39'     Sat' or 'B8'   Card reader identifier tag   1   '3A'     REFRESH Enforcement Policy tag   1   '3A'     REFRESH Enforcement Policy tag   1   '3B'     Application specific refresh data tag   1   '3C'     Sat' or 'BC'   UICC/terminal interface transport level tag   1   '3C'     Sat' or 'BB'   Other address (data destination address) tag   1   '3E'     Sat' or 'BF'   Access Technology tag   1   '3F'     Sat' or 'BC'   Display parameters tag   1   '40'     DNS server address tag   DNS server address tag   1   '40'     DNS server add			1	1	Yes		
2F' or 'AF'	2E' or 'AE'	Reserved for 3GPP (Timing Advance tag)			Yes		
30' or 'B0'   Browser Identity tag			4	IOFI	Vaa		
31' or 'B1'					Yes		
Reserved for 3GPP (IMS URI tag)   Reserved for 3GPP (NG-RAN/Satellite NG-RAN   Primary Timing Advance Information)		, ,			Yes		
'33' or 'B3'         Provisioning Reference File tag         1         '33'           '34' or 'B4'         Browser Termination Cause tag         1         '34'           Supported Radio Access Technologies tag         1         '35'           '35' or 'B5'         Bearer description tag         1         '35'           '36' or 'B6'         Channel data tag         1         '36'           '37' or 'B7'         Channel data length tag         1         '37'           '38' or 'B8'         Channel status tag         1         '38'           '39' or 'B9'         Buffer size tag         1         '39'           '3A' or 'BA'         Card reader identifier tag         1         '3A'           REFRESH Enforcement Policy tag         1         '3A'           '3B' or 'BB'         File Update Information tag         1         '3B'           '3D' or 'BC'         UICC/terminal interface transport level tag         1         '3C'           '3D' or 'BD'         Not used         1         '3D'           '3E' or 'BE'         Other address (data destination address) tag         1         '3E'           '3F' or 'BF'         Access Technology tag         1         '3F'           '40' or 'CO'         Display parameters tag         1		Reserved for 3GPP (IMS URI tag) Reserved for 3GPP (NG-RAN/Satellite NG-RAN Primary Timing Advance Information)	·		Yes		
'34' or 'B4'         Browser Termination Cause tag         1         '34'           '35' or 'B5'         Bearer description tag         1         '35'           '36' or 'B6'         Channel data tag         1         '36'           '37' or 'B7'         Channel data length tag         1         '37'           '38' or 'B8'         Channel status tag         1         '38'           '39' or 'B9'         Buffer size tag         1         '39'           '3A' or 'BA'         Card reader identifier tag         1         '3A'           REFRESH Enforcement Policy tag         1         '3A'           '3B' or 'BB'         File Update Information tag         1         '3B'           '3C' or 'BC'         UICC/terminal interface transport level tag         1         '3C'           '3D' or 'BD'         Not used         1         '3D'           '3E' or 'BE'         Other address (data destination address) tag         1         '3E'           '3F' or 'BF'         Access Technology tag         1         '3F'           '40' or 'CO'         Display parameters tag         1         '40'           DNS server address tag         1         '40'			1	1	Yes		
Supported Radio Access Technologies tag     '35' or 'B5'   Bearer description tag   1   '35'     '36' or 'B6'   Channel data tag   1   '36'     '37' or 'B7'   Channel data length tag   1   '37'     '38' or 'B8'   Channel status tag   1   '38'     '39' or 'B9'   Buffer size tag   1   '39'     '3A' or 'BA'   Card reader identifier tag   1   '3A'     REFRESH Enforcement Policy tag   1   '3B'     '3B' or 'BB'   File Update Information tag   1   '3B'     Application specific refresh data tag   1   '3C'     '3D' or 'BD'   Not used   1   '3D'     '3E' or 'BE'   Other address (data destination address) tag   1   '3E'     '3F' or 'BF'   Access Technology tag   1   '3F'     '40' or 'C0'   Display parameters tag   DNS server address tag   1   '40'     D					Yes		
'35' or 'B5'         Bearer description tag         1         '35'           '36' or 'B6'         Channel data tag         1         '36'           '37' or 'B7'         Channel data length tag         1         '37'           '38' or 'B8'         Channel status tag         1         '38'           '39' or 'B9'         Buffer size tag         1         '39'           '3A' or 'BA'         Card reader identifier tag         1         '3A'           REFRESH Enforcement Policy tag         1         '3A'           '3B' or 'BB'         File Update Information tag         1         '3B'           '3C' or 'BC'         UICC/terminal interface transport level tag         1         '3C'           '3D' or 'BD'         Not used         1         '3D'           '3E' or 'BE'         Other address (data destination address) tag         1         '3E'           '3F' or 'BF'         Access Technology tag         1         '3F'           '40' or 'C0'         Display parameters tag         1         '40'           DNS server address tag         1         '40'			1	'34'	Yes		
'36' or 'B6'         Channel data tag         1         '36'           '37' or 'B7'         Channel data length tag         1         '37'           '38' or 'B8'         Channel status tag         1         '38'           '39' or 'B9'         Buffer size tag         1         '39'           '3A' or 'BA'         Card reader identifier tag         1         '3A'           REFRESH Enforcement Policy tag         1         '3A'           '3B' or 'BB'         File Update Information tag         1         '3B'           '3C' or 'BC'         UICC/terminal interface transport level tag         1         '3C'           '3D' or 'BD'         Not used         1         '3D'           '3E' or 'BE'         Other address (data destination address) tag         1         '3E'           '3F' or 'BF'         Access Technology tag         1         '3F'           '40' or 'C0'         Display parameters tag         1         '40'           DNS server address tag         1         '40'			1	'35'	Yes		
'37' or 'B7'         Channel data length tag         1         '37'           '38' or 'B8'         Channel status tag         1         '38'           '39' or 'B9'         Buffer size tag         1         '39'           '3A' or 'BA'         Card reader identifier tag         1         '3A'           REFRESH Enforcement Policy tag         1         '3A'           '3B' or 'BB'         File Update Information tag         1         '3B'           Application specific refresh data tag         1         '3C'           '3C' or 'BC'         UICC/terminal interface transport level tag         1         '3C'           '3D' or 'BD'         Not used         1         '3D'           '3E' or 'BE'         Other address (data destination address) tag         1         '3E'           '3F' or 'BF'         Access Technology tag         1         '3F'           '40' or 'C0'         Display parameters tag         1         '40'           DNS server address tag         1         '40'					Yes		
'38' or 'B8'         Channel status tag         1         '38'           '39' or 'B9'         Buffer size tag         1         '39'           '3A' or 'BA'         Card reader identifier tag         1         '3A'           REFRESH Enforcement Policy tag         1         '3A'           '3B' or 'BB'         File Update Information tag         1         '3B'           Application specific refresh data tag         1         '3C'           '3C' or 'BC'         UICC/terminal interface transport level tag         1         '3C'           '3D' or 'BD'         Not used         1         '3D'           '3E' or 'BE'         Other address (data destination address) tag         1         '3E'           '3F' or 'BF'         Access Technology tag         1         '3F'           '40' or 'C0'         Display parameters tag         1         '40'           DNS server address tag         1         '40'					Yes		
'39' or 'B9'         Buffer size tag         1         '39'           '3A' or 'BA'         Card reader identifier tag         1         '3A'           REFRESH Enforcement Policy tag         1         '3B'           '3B' or 'BB'         File Update Information tag         1         '3B'           Application specific refresh data tag         1         '3C'           '3C' or 'BC'         UICC/terminal interface transport level tag         1         '3C'           '3D' or 'BD'         Not used         1         '3D'           '3E' or 'BE'         Other address (data destination address) tag         1         '3E'           '3F' or 'BF'         Access Technology tag         1         '3F'           '40' or 'C0'         Display parameters tag         1         '40'           DNS server address tag         1         '40'				1	Yes		
'3A' or 'BA'         Card reader identifier tag REFRESH Enforcement Policy tag         1         '3A'           '3B' or 'BB'         File Update Information tag Application specific refresh data tag         1         '3B'           '3C' or 'BC'         UICC/terminal interface transport level tag         1         '3C'           '3D' or 'BD'         Not used         1         '3D'           '3E' or 'BE'         Other address (data destination address) tag         1         '3E'           '3F' or 'BF'         Access Technology tag         1         '3F'           '40' or 'C0'         Display parameters tag         1         '40'           DNS server address tag         1         '40'					Yes		
REFRESH Enforcement Policy tag  '3B' or 'BB' File Update Information tag Application specific refresh data tag  '3C' or 'BC' UICC/terminal interface transport level tag 1 '3C' 3D' or 'BD' Not used 1 '3D' 3E' or 'BE' Other address (data destination address) tag 1 '3E' 3F' or 'BF' Access Technology tag 1 '3F' 140' or 'CO' Display parameters tag DNS server address tag					Yes		
'3B' or 'BB'	<u> </u>		─ '	J. C.	1 00		
Application specific refresh data tag  '3C' or 'BC' UICC/terminal interface transport level tag 1 '3C'  '3D' or 'BD' Not used 1 '3D'  '3E' or 'BE' Other address (data destination address) tag 1 '3E'  '3F' or 'BF' Access Technology tag 1 '3F'  '40' or 'C0' Display parameters tag 1 '40'  DNS server address tag			1	'3B'	Yes		
'3C' or 'BC'         UICC/terminal interface transport level tag         1         '3C'           '3D' or 'BD'         Not used         1         '3D'           '3E' or 'BE'         Other address (data destination address) tag         1         '3E'           '3F' or 'BF'         Access Technology tag         1         '3F'           '40' or 'C0'         Display parameters tag         1         '40'           DNS server address tag         1         '40'							
'3D' or 'BD'         Not used         1         '3D'           '3E' or 'BE'         Other address (data destination address) tag         1         '3E'           '3F' or 'BF'         Access Technology tag         1         '3F'           '40' or 'C0'         Display parameters tag         1         '40'           DNS server address tag         1         '40'			1	'3C'	Yes		
'3E' or 'BE'     Other address (data destination address) tag     1     '3E'       '3F' or 'BF'     Access Technology tag     1     '3F'       '40' or 'C0'     Display parameters tag     1     '40'       DNS server address tag     1     '40'					1 55		
'3F' or 'BF'         Access Technology tag         1         '3F'           '40' or 'C0'         Display parameters tag         1         '40'           DNS server address tag         1         '40'					Yes		
'40' or 'C0' Display parameters tag 1 '40'  DNS server address tag		, , ,			Yes		
DNS server address tag					Yes		
	<u> </u>		<b>⊣</b> '	40	162		
'41' or 'C1' Service Record tag 1 '41'			1	'41'	Yes		
'42' or 'C2'         Device Filter tag         1         '42'           '43' or 'C3'         Service Search tag         1         '43'					Yes Yes		

COMPREHENSION- TLV tag (CR and Tag value)	Card application toolkit data objects	Length of tag	Tag value, bits 1 - 7 (Range: '01' - '7E')	Reassign			
'44' or 'C4'	Attribute information tag	1	'44'	Yes			
'45' or 'C5'	Service Availability tag	1	'45'	Yes			
'46' or 'C6'	Reserved for 3GPP2 (3GPP2 tag 1)	1	'46'				
'47' or 'C7'	Network Access Name tag	1	'47'	Yes			
'48' or 'C8'	Reserved for 3GPP2 (3GPP2 tag 2)						
'49' or 'C9'	Remote Entity Address tag	1 '49'					
'4A' or 'CA'	Reserved for 3GPP (I-WLAN Identifier tag)	WLAN Identifier tag) 1 '4A'					
	Reserved for 3GPP (SSID tag)						
'4B' or 'CB'	Reserved for 3GPP ((I-)WLAN Access Status tag)	1	'4B'	Yes			
	RFU (only to be assigned if context specific re-use of other values is not possible)		'4C' to '4F'				
'50' or 'D0'	Text attribute tag	1	'50'	No			
'51' or 'D1'	Item text attribute list tag	1	'51'	Yes			
'52' or 'D2'	Reserved for 3GPP (PDP context Activation	1	'52'	Yes			
32 01 D2	parameters tag)	'	32	163			
	Reserved for 3GPP (Surrounding macrocells tag)						
'53' or 'D3'	Contactless state request tag	1	'53'	Yes			
'54' or 'D4'	Contactless functionality state tag	1	'54'	Yes			
'55' or 'D5'	Reserved for 3GPP (CSG cell selection status tag)	1	'55'	Yes			
00 01 00	Reserved for 3GPP (IMS call disconnection cause	1 '		103			
	tag)						
	Reserved for 3GPP (CAG cell selection status tag)						
'56' or 'D6'	Reserved for 3GPP (CSG ID tag)	1	'56'	Yes			
30 01 00	Reserved for 3GPP (Slice information tag)	† '	30	163			
	Reserved for 3GPP (CSG information list tag)	1					
	Reserved for 3GPP (E-UTRAN Tracking Area	1					
	Identification (TAC) list Identifier tag)						
'57' or 'D7'	Reserved for 3GPP (HNB name tag)	1	'57'	Yes			
07 01 07	Reserved for 3GPP (Extended rejection cause code	1 '	07	103			
	Itag)						
	Reserved for 3GPP (CAG ID human-readable network name list tag)	-					
	Reserved for 3GPP (NG-RAN Tracking Area						
	Identification (TAC) list Identifier tag)						
	RFU (only to be assigned if context specific re-use of		'58' to '5F'				
	other values is not possible)						
'60' or 'E0'	MAC tag	1	'60'	No			
'61' or 'E1'	Reserved for 3GPP2 (3GPP2 Tag 3)	1	'61'				
'62' or 'E2'	IMEISV tag	1	'62'	Yes			
'63' or 'E3'	Battery state tag	1	'63'	Yes			
'64' or 'E4'	Browsing status tag	1	'64'	Yes			
'65' or 'E5'	Network Search Mode tag	1	'65'	Yes			
'66' or 'E6'	Frame Layout tag	1	'66'	Yes			
'67' or 'E7'	Frames Information tag	1	'67'	Yes			
	Profile ID tag	1		1			
'68' or 'E8'	Frame identifier tag	1	'68'	No			
'69' or 'E9'	Reserved for 3GPP	1	'69'	Yes			
	(UTRAN/E-UTRAN/NG-RAN/Satellite NG-RAN						
	Measurement Qualifier tag)						
	Reserved for 3GPP (IP address list tag)	]		1			
'6A' or 'EA'	Multimedia Message Reference tag	1	'6A'	Yes			
'6B' or 'EB'	Multimedia Message Identifier tag	1	'6B'	Yes			
'6C' or 'EC'	Multimedia Message Transfer Status tag	1	'6C'	Yes			
'6D' or 'ED'	Reserved for 3GPP2 (3GPP2 tag 4)	1	'6D'				
'6E' or 'EE'	Multimedia Message Content Identifier tag	1	'6E'	Yes			
'6F' or 'EF'	Multimedia Message Notification tag	1	'6F'	Yes			
'70' or 'F0'	Last Envelope tag	1	'70'	NR			
'71' or 'F1'	Registry application data tag	1	'71'	Yes			
'72' or 'F2'	Reserved for 3GPP (PLMNwAcT List tag)	1	'72'	Yes			
12 ULFZ				•			
'73' or 'F3'	Reserved for 3GPP (Routing Area Information tag)	1	'73'	Yes			
	Reserved for 3GPP (Routing Area Information tag) Reserved for 3GPP (URI truncated tag)	1	'73'	Yes			

COMPREHENSION- TLV tag	Card application toolkit data objects	Length of tag	Tag value, bits 1 - 7	Reassign
(CR and Tag value)			(Range: '01' - '7E')	
'74' or 'F4'	Reserved for 3GPP (Update/Attach Type tag)	1	'74'	Yes
	Reserved for 3GPP (ProSe Report Data tag)			
'75' or 'F5'	Reserved for 3GPP (Rejection Cause Code tag)	1	'75'	Yes
'76' or 'F6'	Reserved for 3GPP (Geographical Location	1	'76'	Yes
	Parameters tag)			
	Reserved for 3GPP (IARI tag)			
'77' or 'F7'	Reserved for 3GPP (GAD shapes tag)	1	'77'	Yes
	Reserved for 3GPP (IMPU list tag)			
'78' or 'F8'	Reserved for 3GPP (NMEA sentence tag)	1	'78'	Yes
	Reserved for 3GPP (IMS Status-Code tag)			
'79' or 'F9'	Reserved for 3GPP (PLMN List tag)	1	'79'	Yes
	Reserved for 3GPP (E-UTRAN Inter-frequency			
	Network Measurement Results tag)			
'7A' or 'FA'	Broadcast Network Information tag	1	'7A'	Yes
	Extended registry application data tag			
'7B' or 'FB'	ACTIVATE descriptor tag	1	'7B'	Yes
'7C' or 'FC'	Reserved for 3GPP (EPS PDN connection activation	1	'7C'	Yes
	parameters tag)			
'7D' or 'FD'	Reserved for 3GPP (Tracking Area Identification tag)	1	'7D'	Yes
'7E' or 'FE'	Reserved for 3GPP (CSG ID list tag)	1	'7E'	Yes
	Reserved for 3GPP (Media type tag)	1		

NOTE:

Starting from Release 10, tag values are assigned in a context specific manner, i.e. the same tag value can be used for different data objects, provided that the object can be uniquely identified from the context of the proactive command or ENVELOPE command in which it is used.

The column "reassign" indicates whether it is expected that a tag can be reassigned in a context specific manner (yes), whether that is not recommended (NR) because of potential future conflicts or if this shall not be done (no).

#### UICC Java Card™ Services 8

#### 8.1 Service Names

UICC Java Card™ Services are described in ETSI TS 102 241 [17].

Global services dedicated to UICC belong to the family "UICC Services (service ids assigned by ETSI)" and shall have the service family identifier 'A1'.

Service labels are defined in *uicc.system.servicesConstants* interface.

Table 8.1

Service Name	Service Label	Document
'A101'	SERVICE_ID_HIGH_UPDATE_ARRAY_BUILDER	ETSI TS 102 241 [17]

#### 9 Family identifier

#### 9.1 Introduction

The family identifier is used to classify Secondary Platform Bundles into families according to the main use cases addressed, e.g. telecommunication, banking, as defined in ETSI TS 103 666-2 [39].

### 9.2 Family identifier

A family identifier is a UUID computed from a URN using the version 5 of the UUID with the domain name system namespace as specified in IETF RFC 4122 [38].

Annex P lists the allocated family identifiers.

## Annex A (normative): Allocated ETSI PIX numbers

**Table A.1: Allocation of ETSI PIX** 

			AID	_	
A	RID		Document		
Application	(see note 1)	ETSI app Additional PIX coding code		(see note 2)	
GSM	'A000000009'	'0001'	See annex B for further coding details	ETSI TS 151 011 [6]	
GSM SIM toolkit	'A00000009'	'0002'	See annex B for further coding details	ETSI TS 101 267 [7]	
GSM SIM API for Java Card™	'A00000009'	'0003'	See annex C for further coding details	ETSI TS 143 019 [8]	
TETRA	'A00000009'	'0004'	See annex B for further coding details	ETSI EN 300 812-3 [9]	
UICC API for Java Card™	'A00000009'	'0005'	See annex I for further coding details	ETSI TS 102 241 [17] ETSI TS 102 267 [40] ETSI TS 102 588 [41] ETSI TS 102 705 [42]	
DVB CBMS KMS	'A00000009'	'0101'	See ETSI TS 102 474 [22] for further coding details	ETSI TS 102 474 [22]	
M2MSM	'A00000009'	'0201'	See ETSI TS 102 921 [32] for further coding details	ETSI TS 102 921 [32]	
	'A00000009'				
AID Applica	ation IDentifier.				
PIX Proprie	etary application l	ldentifier eXt	ension.		
RID Registe	ered application p	orovider IDer	ntifier.		

NOTE 1: The ETSI RID, as registered by ISO according to ISO/IEC 7816-5 [33], is 'A000000009'.

NOTE 2: It is the responsibility of the ETSI technical body, in charge of the application standardization, to inform the ETSI Secretariat when the respective ETSI document is withdrawn or renumbered.

## Annex B (normative): Coding of the PIX for GSM and TETRA applications

The following codings apply for the structure of the PIX when the application is either:

• the GSM application (i.e. ETSI application code = '0001' as shown in annex A);

- a GSM SIM Toolkit Application (i.e. ETSI application code = '0002' as shown in annex A); or
- the TETRA application (i.e. ETSI application code = '0004' as shown in annex A).

Digits 1 to 4 ETSI application code

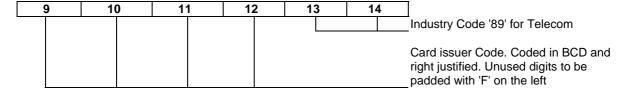
Coding: '0001', '0002' or '0004' as specified in clause 4.2.

Digits 5 to 8 Country code

Coding: As specified in clause 4.2.

Digits 9 to 14 Application provider code

Coding: As defined below.



Card issuer code and Industry code are coded in line with Recommendation ITU-T E.118 [4].

#### Digits 15 up to 22 Application provider field 8 digits

Digits 15 to 22 shall be used only if the ETSI application code is '0002' (i.e. GSM SIM toolkit).

Coding: Hexadecimal. If the application is a SIM Toolkit Application (as defined in ETSI TS 101 267 [7]), the coding is as defined below.

15	16	17	18	19	20	21	22	
								Application Provider specific data
								Toolkit Application Reference (TAR)

Toolkit Application Reference (TAR) as specified in ETSI TS 102 226 [19], is managed by the application provider.

Application Provider specific data: For application administration purposes.

## Annex C (normative): Coding of the PIX for SIM toolkit API packages

The following coding applies for the structure of the PIX when the application is a SIM Toolkit API package (i.e. ETSI application code = '0003' - as defined in annex A):

Digits 1 to 4 ETSI application code

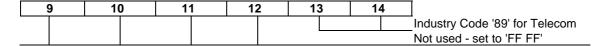
Coding: '0003' as specified in clause 4.2.

Digits 5 to 8 Not used

Coding: Set to 'FF FF'.

Digits 9 to 14 Industry code

Coding: As defined below.



Ī	15	16	17	18	19	20	21	22	
									If Digit 15 = '1', defined in ETSI TS 143 019 [8]
									API Type. '1' for Java Card™

## Annex D (normative): Allocated TAR values

**Table D.1: Allocation of TAR values** 

Application	TAR	Document
		(see note 1)
	Issuer Security Domain	n
Issuer Security Domain	'00 00 00'	ETSI TS 102 226 [19]/compact data format
Issuer Security Domain	'B2 01 00'	ETSI TS 102 226 [19]/expanded data format
		or automatic data format detection
	st level application issuer spec	ific values
Allocated by the 1st level	'00 00 01' to 'AF FF FF'	
application issuer		
Allocated by the 1st level	'C0 00 00' to 'FF FF FF'	
application issuer	Demote File Management Appl	lications
UICC Shared File System	Remote File Management App 180 00 00' and	
OICC Shared File System	'B0 00 00 and 'B0 00 02' to 'B0 00 0F'	ETSI TS 102 226 [19]/compact data format
SIM File System	'B0 00 02 to B0 00 0F'	ETSI TS 131 116 [20]/compact data format
ADF (see note 2)	'B0 00 10 to B0 00 1F	ETSI TS 131 116 [20]/compact data format
ADF (See Hote 2)	'B0 00 01 and 'B0 00 20 to 'B0 01 1F'	201/Compact data format
UICC Shared File System	'B0 01 20' to 'B0 01 2F'	ETSI TS 102 226 [19]/expanded data format
eree charea i ne cyclem	50 01 20 10 50 01 21	or automatic data format detection
SIM File System	'B0 01 30' to 'B0 01 3F'	ETSI TS 131 116 [20]/expanded data format
J		or automatic data format detection
ADF (see note 2)	'B0 01 40' to 'B0 01 FF'	ETSI TS 131 116 [20]/expanded data format
, ,		or automatic data format detection
RFU	'B0 02 00' to 'B0 FF FF'	
	Payment Applications	
Visa® Mobile Payment Toolkit	'B1 00 00' to 'B1 00 05'	Reserved for Visa® Inc.
Application		
RFU	'B1 00 06' to 'B1 FF FF'	
	USAT Interpreter Applicat	
USAT Interpreter Application	'B2 00 00' to 'B2 00 FF'	ETSI TS 131 114 [13]
	art Card Web Server (SCWS) A	
SCWS	'B2 01 01'	OMA-TS-Smartcard-Web-Server-V1.0 [25]
SCWS administrative agent	'B2 01 02'	OMA-TS-Smartcard-Web-Server-V1.0 [25]
Application	Multipleving Application	
Multipleving Application	Multiplexing Applicatio	
Multiplexing Application	'B2 02 00'	ETSI TS 102 225 [26]/automatic data format detection
	Controlling Authority Security	
Controlling Authority Security	B2 02 01'	GlobalPlatform Card Specification,
Domain	B2 02 01	Amendment A [37]/automatic data format
Bomain		detection
Si	martcard-Centric Audience Me	
OMA BCAST Smartcard-Centric	'B2 02 02'	OMA "Mobile Broadcast Services" [31]
Audience Measurement		[5.1]
	ght Machine to Machine (LWM	2M) SMS Security
OMA DM LWM2M UICC	'B2 02 03'	OMA "Lightweight Machine to Machine" [35]
Application		
	Other reservations	
Security Domain with Authorized	'B2 02 10' to 'B2 02 1F'	Reserved for EMVCo
Management privilege		
Security Domain with Delegated	'B2 02 20' to 'B2 02 2F'	Reserved for EMVCo
Management privilege		
	Proprietary Toolkit Applica	ation
Proprietary Toolkit Application	'BF FF 00' to 'BF FF FF'	
DELL	Reserved for future assignr	nents
RFU	All other values in the range	
	of 'B0 00 00' to 'BF FF FF'	

	Application	TAR	Document						
			(see note 1)						
NOTE 1:	It is the responsibility of the technical body, in charge of the Toolkit Application standardization, to								
	inform the ETSI Secretariat when the respective document is withdrawn or renumbered.								
NOTE 2:	ADF Remote File Management applications file access is defined in ETSI TS 102 226 [19].								
NOTE 3:	"CAT TP Multiplexing App	lication" is part of the "Multiplexir	ng Application" category.						

## Annex E (normative): Allocated 3GPP PIX numbers

**Table E.1: Allocated 3GPP PIX numbers** 

	3G Application Identifiers										
Application		-	AID	Document							
	RID		PIX	(see note 2)							
	(see note 1)	3G App Code	Additional PIX coding								
3GPP UICC (see note 3)	'A00000087'	'1001'	See annex F for further coding details	ETSI TS 131 101 [10]							
3GPP USIM	'A00000087'	'1002'	See annex F for further coding details	ETSI TS 131 102 [11]							
3GPP USIM toolkit	'A00000087'	'1003'	See annex G for further coding details	ETSI TS 131 111 [12]							
3GPP ISIM	'A00000087'	'1004'	See annex F for further coding details	ETSI TS 131 103 [14]							
3GPP (U)SIM API for Java Card™	'A00000087'	'1005'	See annex J for further coding details	ETSI TS 131 130 [18]							
3GPP ISIM API for Java Card™	'A00000087'	'1006'	See annex K for further coding details	ETSI TS 131 133 [24]							
3GPP Contact Manager API for Java Card™	'A00000087'	'1007'	See annex L for further coding details	ETSI TS 131 221 [27]							
3GPP USIM-INI	'A00000087'	'1008'	See annex F for further coding details	ETSI TS 131 102 [11]							
3GPP USIM-RN	'A00000087'	'1009'	See annex F for further coding details	ETSI TS 131 102 [11]							
3GPP HPSIM	'A00000087'	'100A'	See annex F for further coding details	ETSI TS 131 104 [36]							
3GPP USIM (non- IMSI SUPI Type)	'A00000087'	'100B'	See annex F for further coding details	ETSI TS 131 102 [11]							
3GPP SSIM	'A00000087'	'100C'	See annex F for further coding details	3GPP TS 31.105 [46]							

NOTE 1: The 3GPP RID, as registered by ISO/IEC according to ISO/IEC 7816-4 [3], is 'A000000087'.

NOTE 2: It is the responsibility of the 3GPP technical body, in charge of the application standardization, to inform the ETSI Secretariat when the respective 3G document is withdrawn or renumbered.

NOTE 3: Currently, no application or functionality is defined for this AID.

## Annex F (normative): Coding of the PIX for 3G UICC applications

The following codings apply for the structure of the PIX when the application is a 3G telecommunication Integrated Circuits (IC) card application.

Digits 1 to 4 3G application code

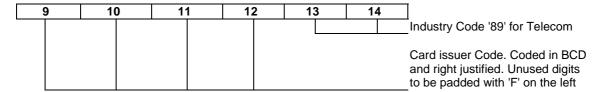
Coding: As specified in clause 4.2 and as shown in annex A.

Digits 5 to 8 Country code

Coding: As specified in clause 4.2.

Digits 9 to 14 Application provider code

Coding: As defined below.



Card issuer code and Industry code are coded in line with Recommendation ITU-T E.118 [4].

#### Digits 15 up to 22 Application provider field 8 digits

Coding: Digit 15 to 20, coded in BCD, refer to the specification version xx.yy.zz. The

coding of xx, yy, and zz is right justified and padded with '0' on the left.

EXAMPLE: If the version is 3.5.0 then specification version is '03 05 00'.

#### Digits 21 to 22 are coded in hexadecimal

The application provider field format is as defined below:

15	16	17	18	19	20	21	22	
								Application Provider specific data
								Specification version xx.yy.zz

Application Provider specific data: for application administration purposes.

## Annex G (normative): Coding of the PIX for 3G USIM Toolkit Applications

The following codings apply for the structure of the PIX when the application is a 3G USIM Toolkit Application.

Digits 1 to 4 3G application code

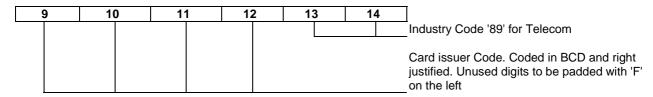
Coding: As specified in clause 4.2 and as shown in annex A.

Digits 5 to 8 Country code

Coding: As specified in clause 4.2.

Digits 9 to 14 Application provider code

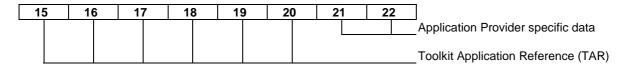
Coding: As defined below.



Card issuer code and Industry code are coded in line with Recommendation ITU-T E.118 [4].

#### Digits 15 up to 22 Application provider field 8 digits

Coding: Hexadecimal, as defined below.



Toolkit Application Reference (TAR) as specified in ETSI TS 102 226 [19], is managed by the application provider (i.e. operator in that case) except for TAR values beginning with hexadecimal value 'B' (most significant bits of digit 15) which are reserved for future use by the 3GPP and the TAR value '000000' which is reserved for the Issuer Security Domain (see ETSI TS 102 226 [19]).

Application Provider specific data: for application administration purposes.

## Annex H (normative): Tag allocation guidelines

This annex defines some guidelines that shall be followed when requesting tag values for the TLV forms listed in table 7.1. The present document shall be the repository for application domain dependent and independent tag values.

An existing tag value either from the tables in clause 7 or from ISO/IEC 7816-6 [16] shall be reused in the following cases:

- if an object is common across all application domains and it has the same coding;
- if an object is common across application domains but the coding of the data is both application domain specific and only valid for the currently employed application domain. The application shall use domain indication procedures to determine the interpretation of the object.

A new tag value shall be allocated in the following cases:

- if the object is unique to one particular application domain;
- if an object is common across application domain but the coding of the data is both application domain specific and always available irrespective of the current application domain.

## Annex I (normative): Coding of the PIX for UICC toolkit API packages

The following coding applies for the structure of the PIX when the application is a UICC Toolkit API package (i.e. ETSI application code = '0005' - as defined in annex A):

Digits 1 to 4 ETSI application code

Coding: '0005' as specified in clause 4.2.

Digits 5 to 8 Not used

Coding: Set to 'FF FF'.

Digits 9 to 14 Industry code

Coding: As defined below.

 9
 10
 11
 12
 13
 14

 Industry Code '89' for Telecom Not used - set to 'FF FF'

15	16	17	18	19	20	0 2	1	22	]
									If Digit 15 = '1', the value of Digits 16 to 22 is defined in one of the following documents: ETSI TS 102 241 [17], ETSI TS 102 267 [40], ETSI TS 102 588 [41], ETSI TS 102 705 [42]
									API Type, '1' for Java Card™

## Annex J (normative): Coding of the PIX for (U)SIM API for Java Card™ packages

The following coding applies for the structure of the PIX when the application is a (U)SIM Toolkit API package (i.e. 3GPP application code = 1005 - as defined in annex E):

Digits 1 to 4 3GPP application code

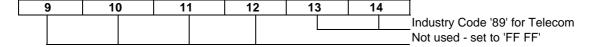
Coding: '1005' as specified in clause 4.2.

Digits 5 to 8 Not used

Coding: Set to 'FF FF'.

Digits 9 to 14 Industry code

Coding: As defined below.



15	16	17	7 18	3 1	9	20	21	2	2	
			·	·						If Digit 15 = '1', defined in ETSI TS 131 130 [18]
										API Type, '1' for Java Card™

## Annex K (normative): Coding of the PIX for ISIM API for Java Card™ package

The following coding applies for the structure of the PIX when the application is a ISIM Toolkit API package (i.e. 3GPP application code = '1006' - as defined in annex E):

Digits 1 to 4 3GPP application code

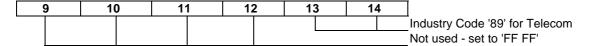
Coding: '1006' as specified in clause 4.2.

Digits 5 to 8 Not used

Coding: Set to 'FF FF'.

Digits 9 to 14 Industry code

Coding: As defined below.



	15	16	17	18	19	20	21	22	
•									If Digit 15 = '1', defined in ETSI _TS 131 133 [24]
									API Type, '1' for Java Card™

## Annex L (normative): Coding of the PIX for 3GPP Contact Manager API packages

The following coding applies for the structure of the PIX when the application is a 3GPP Contact Manager API package (i.e. ETSI application code = '1007' - as defined in annex A):

Digits 1 to 4 3GPP application code

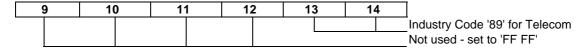
Coding: '1007' as specified in clause 4.2.

Digits 5 to 8 Not used

Coding: Set to 'FF FF'.

Digits 9 to 14 Industry code

Coding: As defined below.



15	16	17	18	19	20	21	22	
								If Digit 15 = '1', defined in ETSI
								_TS 131 221 [27]
								API Type, '1' for Java Card™

## Annex M (normative): Allocated 3GPP2 PIX numbers

Table M.1: Allocated 3GPP2 PIX numbers

	3GPP2 Application Identifiers										
Application	Application AID										
	RID		PIX	(see note 2)							
	(see note 1)	3G App Code (see note 3)	Additional PIX coding								
3GPP2 CSIM	'A00000343'	'1002'	See annex F for further coding details	3GPP2 C.S0065-0 [28]							

- NOTE 1: The 3GPP2 RID, as registered by ISO/IEC according to ISO/IEC 7816-5 [33], is 'A000000343'.
- NOTE 2: It is the responsibility of the 3GPP2 technical body, in charge of the application standardization, to inform the ETSI Secretariat when the respective document is withdrawn or renumbered.
- NOTE 3: The application code given is the same than for the 3GPP USIM, as USIM and CSIM are equivalent between 3GPP and 3GPP2.

## Annex N (normative): Allocated oneM2M PIX numbers

Table N.1: Allocated oneM2M PIX numbers

	oneM2M Application Identifiers										
Application			AID	Document							
	RID		PIX	(see note 2)							
	(see note 1)	App Code	Additional PIX coding								
oneM2M UICC	'A00000645'	'1001'	See annex F for further coding details	ETSI TS 118 103 [34]							
(see note 3)											
oneM2M	'A00000645'	'1002'	See ETSI TS 118 103 [34] for further	ETSI TS 118 103 [34]							
1M2MSM			coding details								

NOTE 1: The oneM2M RID, as registered by ISO/IEC according to ISO/IEC 7816-5 [33], is 'A000000645'.

NOTE 2: It is the responsibility of the oneM2M technical body, in charge of the application standardization, to inform the ETSI Secretariat when the respective document is withdrawn or renumbered.

NOTE 3: Currently, no application or functionality is defined for this AID.

## Annex O (informative): Bibliography

- ETSI EG 201 220: "Integrated Circuit Cards (ICC); ETSI numbering system for telecommunication; Application providers (AID)".
- ETSI TS 102 223: "Smart Cards; Card Application Toolkit (CAT)".
- ETSI TR 121 905: "Digital cellular telecommunications system (Phase 2+); Universal Mobile Telecommunications System (UMTS); Vocabulary for 3GPP Specifications (3GPP TR 21.905)".

## Annex P (normative): Allocated family identifiers

Table P.1: Allocated family identifiers

Family name	NID	NSS	Family identifier			
Telecom family	Telecom family etsi.org		E2C37BAC-3A71-584A-84DA-194452C2F768			

## Annex Q (informative): Change history

The table below indicates all changes that have been incorporated into the present document since it was placed under change control.

						e history	•	
Date	Meeting	Plenary Doc	CR	Rev	Cat	Subject/Comment	Old	New
1997-10						TC ICC published version 1.2.1. The on-going		
						maintenance of this deliverable was		
						subsequently transferred from TC ICC to TC		1.2.1
1998-10	SMG #27	98-0673			В	SMG when TC ICC was closed in early 1998.  Addition of normative annex C, introducing	1.2.1	1.2.1
1990-10	SIVIG #21	90-0073			Ь	AID coding for GSM and Toolkit Applications.	1.2.1	1.3.0
1999-09	SMG #29	P-99-415			В	Addition of normative annex D, introducing	1.3.0	1.3.0
1000 00	OIVIO #25	1 33 413				AID coding for SIM Toolkit packages.	1.5.0	1.4.0
2000-05	SMG #31	P-00-142			F	Alignment of the AID allocation procedure.	1.4.0	1.4.0
2000 00	Givio #61	P-00-142			В	Definition of an AID for TETRA.	1	
		1 00 112				NOTE: At SMG #31, it was agreed it		
						would be more appropriate for the		
						present document to be classified		
						as an "ETSI Technical		
						Specification" rather than an		
						"ETSI Guide". This resulted in the		
						deliverable number being changed		
						from ETSI EG 201 220 (see		
						bibliography) to the present		
						document. Furthermore, to align		
						the specification version		
						numbering system with that of the 3GPP, the new version number		
						became 3.0.0.		3.0.0
2000-12	SCP-03	9-00-0443			F	Correction of the AID coding for the SIM API	3.0.0	3.0.0
2000 12	001 00	3 00 0443			'	packages.	3.0.0	3.1.0
2001-03	SCP-05	SCP-010137	007		В	Toolkit Application Reference (TAR)	3.1.0	01.110
						management.		
		SCP-010138	800		В	Incorporation of 3GPP AID specification.		3.2.0
2001-07	SCP-06	SCP-010174	009		F	Clarification of the specification number of the	3.2.0	
						application provider code in annex F.		3.3.0
2001-10	SCP-07	SCP-010308	010		С	Allocation of new TAR values for Remote File	3.3.0	
						Management.		4.0.0
2001-12	SCP-08	SCP-010387	011		F	Correction to allocation of TAR values for	4.0.0	
						"Remote File Management Applications"		
	225.12	000 000150	2.42		_	clause.		4.1.0
2002-06	SCP-10	SCP-020156	012		В	Allocation of TAR values for the USAT	4.1.0	
			013		В	Interpreter. Addition of ISIM AID.		5.0.0
2003-01	SCP-12	SCP-030060	016		D	Remove UICC as an abbreviation to align with	5.0.0	5.0.0
2003-01	3CF-12	3CF-030000	016			3GPP TR 21 905.	5.0.0	
		SCP-030077	014	2	В	Definition of TLV Forms and TLV Tag Value		
		001 000011	017	_		Tables.		
		SCP-030081	015		В	Update of Statement of Scope.		6.0.0
2003-05	SCP-13	SCP-030160	017	1	В	BER-TLV Tag Reservation for card application	6.0.0	2.0.0
						communication.		
		SCP-030112	018		В	Allocation of AID for the uicc.* packages.	1	6.1.0
2003-12		SCP-030410	019		D	Corrections on PIX and Application codes.	6.1.0	6.2.0
			020		F	Modifying annex A from informative to		
						normative.	]	
			021		В	Allocation of AID for the uicc.usim.* packages.	]	
			022		D	Correction of reference to ETSI TS 102 241.	]	
			024		F	Alignment of ETSI TS 101 220 with ETSI		
			1			TS 102 226 and TS 31.116 Release 6		
						specifications.		
		SCP-030479	025		В	New Comprehension TLV Tag for IMEISV.		
			026		F	Alignments regarding tag 86.	6.2.0	6.3.0
			029		F	Tag allocation for new comprehension TLV:		
			000		_	Battery State.	-	
			030		В	Tag reservation for Browsing status event in		
		CCD 040000	000	1		CAT.	<del>                                     </del>	1
	+ -	SCP-040033	032	1	В	Allocation of tags for Fill and Repeat Pattern.	<del>                                     </del>	1
	1	SCP-040088	033		С	Removal of EIA/TIA-136 Tags.		1

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<b>プロロ</b> 4-0E	Meeting SCP#17	Plenary Doc SCP-040235	034	Rev	<b>Cat</b> D	Subject/Comment Transfer of the COMPREHENSION-TLV Tags	<b>Old</b> 6.3.0	New
2004-05	30F#1/	30F-040233	034		ט	from ETSI TS 102 223.	0.3.0	
			035		В	Allocation of new tag values for Expanded	1	
						Remote Application data format.		6.4.0
2004-09	SCP#18	SCP-040315	027	1	В	Introduction of new tags for the frames in CAT.	6.4.0	
		SCP-040371	036		B	New Tags for BER-TLV EFs. Allocation of new tag values for EAP.	-	
		SCP-040371	039		F	Tag reservation for 3GPP features.		6.5.0
2004-11	SCP#19	SCPt040286	040	2		BER-TLV reservation for 3GPP feature.	6.5.0	
		SCPt040272	041			Clarification for non-specific references.		
		SCP-040470	043			Alignments with ETSI TS 131 111.		6.6.0
		SCPt040300 SCPt040336	042			Clarification of length coding for TLV.  Classification on List of allocated BER-TLV tag	6.6.0	
		SCP1040336	039			values.		7.0.0
2005-01	SCP#20	SCPt040492	044			New Tag for Introduction of MEID.	7.0.0	
		SCPt040582	045			Addition of File Update Information tag.		
		SCP-050060	038	2		Allocation of TAR values for Expanded		
0005.05	000,004	000,0504.47	0.40		_	Remote Application data format.	7.4.0	7.1.0
2005-05	SCP#21	SCPt050147 SCPt050121	046		B	Tags for 3GPP MMS commands.  Modifications due to revision of	7.1.0	
		301 1030121	047		'	ISO/IEC 7816-4 series.		
		SCPt050166	048		В	Allocation of TAR values for ADF Remote File	1	
						Management Applications.		7.2.0
2005-09	SCP#22	SCP-050282	050	1	В	Tags for MMS Toolkit commands.	7.2.0	7.3.0
2005-12	SCP#23	SCPt050876 SCPt050882	052		F	Correct reference to an annex.	7.3.0	
		SCP-050503	053 054		В	Cleaning of the specification.  Reservation of Comprehension-TLV tags for		
		001 000000	004			3GPP related to the new I-WLAN bearer in		
						3GPP.		7.4.0
2006-03	SCP#25	SCP-060152	056		D	Removal of double quotes.	7.4.0	7.5.0
2006-07	SCP#26	SCP-060244	055	2	В	Addition of specific UICC environmental conditions tag.	7.5.0	
	1	SCP-060253	059	1	В	Addition of supported system command tag.		
		SCP-060289	060	<u> </u>	В	Reservation of Application code for DVB		
						CBMS KMS.		7.6.0
2006-09	SCP#27	SCP-060474	064	1	F	Clarify 3GPP UICC AID.	7.6.0	
		SCP-060466	062	1	F	Correction of Terminal capability indication		
	-	SCP-060486	066	1	В	mechanism. Tags for error responses for wrong TLVs.	-	7.7.0
2007-01	SCP#29	SCP-070018	061	2	В	Addition of tag for the Extension of the number	7.7.0	7.7.0
						of logical channels.		
			067		В	Introduction of a PIX coding for the ISIM API		
		000 070055	000		_	for Java Card™ TS 31.133.		7.00
2007.05	SCD#30	SCP-070055	068	2	В	Tags for Remote Management Actions.	790	7.8.0
2007-05	SCP#30	SCP-070133	069	1	D	Allocation of TAR values for the OMA SCWS and administrative agent.	7.8.0	
		SCP-070175	063	1	В	Modification of tags for RFM with script		
						chaining.		7.9.0
2007-07	SCP#31	SCP-070275	065	4	В	Tags for Launch Application feature.	7.9.0	7.10.0
2007-08	SCP#32	SCP-070315	070	-	С	Reservation of Tag values for 3GPP.  Addition of support for the UICC-CLF	7.10.0	7.11.0
2007-10	SCP#33	SCP-070422	072	-	В	Interface.	7.11.0	7.12.0
2007-10	SCP#33	SCP-070426	071	<b>†</b> -	В	TAR reservation for CAT TP Multiplexing.	7.12.0	8.0.0
2008-01	SCP#35	SCP-080014	073	1	В	Tag reservation related to addition of Network	8.0.0	8.1.0
						Rejection in 3GPP TS 31.111.		
2008-07	SCP#38	SCPt080298	074	2	В	Reserve a CAT template value for proprietary	8.1.0	8.2.0
2008-07	SCP#38	SCP-080372	075	1	В	TLV reservation for Secure Channel.	8.1.0	8.2.0
2008-07	SCP#36 SCP#39	SCP-080372 SCP-080440	076	<u> </u>	В	Tag reservation related to addition of	8.2.0	8.3.0
_000 10	001 1100	33. 000440	5,0			Geographical Location Request in 3GPP	0.2.0	0.0.0
						TS 31.111.		
2008-10	SCP#39	SCP-080433	077	-	F	Correction to Toolkit Application Reference	8.2.0	8.3.0
	CCD#20	CCD 000400	070	-	D	listing and ISIM PIX number.	000	0 2 0
2000 42	SCP#39	SCP-080433	078	-	В	PIX Reservation for 3GPP Contact Manager API for Java Card <sup>TM</sup> .	8.2.0	8.3.0
2008-10	<u> </u>	SCP-080424	079	-	С	Introduction of the RID for 3GPP2 CSIM	8.2.0	8.3.0
	SCD#30	001-000424	019	1		application.	0.2.0	0.5.0
2008-10	SCP#39					1-11 THEFT		
	SCP#39 SCP#39	SCP-080440	080	-	В	Tag reservation related to addition of	8.2.0	8.3.0
2008-10		SCP-080440	080	-	В	Broadcast Network Information in ETSI	8.2.0	8.3.0
2008-10		SCP-080440 SCP-080428	080	-	В		8.2.0	8.3.0

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<b>Date</b> 2008-10	Meeting SCP#39	Plenary Doc SCP-080433	<b>CR</b> 082	Rev	Cat B	Subject/Comment  Extending TARs for automatic application data	<b>Old</b> 8.2.0	<b>New</b> 8.3.0
2006-10	3CF#39	3CF-000433	002	-	Ь	format detection.	0.2.0	0.3.0
2009-01	SCP#40	SCP-090019	083	-	В	Tag reservation for ACTIVATE command.	8.3.0	8.4.0
2009-01	SCP#40	SCP-090063	084	1	В	Reservation of values for 3GPP related to	8.3.0	8.4.0
						I-WLAN Steering of Roaming Refresh		
						Command.		
2009-01	SCP#40	SCP-090062	085	1	В	Tag reservation alignments for Secure	8.3.0	8.4.0
0000.04	000,44	000 000444	000		_	Channel.	0.40	0.00
2009-04	SCP#41	SCP-090114	086	-	F	Addition of missing values in scripting templates.	8.4.0	9.0.0
2009-04	SCP#41	SCP-090114	087	-	В	Reservation of tag values for OMA and	8.4.0	9.0.0
2000 04	001 1141	001 000114	007			GlobalPlatform.	0.4.0	0.0.0
2009-04	SCP#41	SCP-090137	088	-	В	Tag values allocation for 3GPP (support of	8.4.0	9.0.0
						LTE in 3GPP TS 31.111).		
2009-07	SCP#42	SCP-090251	089	-	В	Addition of WiMAX and OMA RIDs.	8.4.0	9.0.0
2009-10	SCP#43	SCP-090322	090	-	В	Tags for indefinite length coding for remote	9.0.0	9.1.0
0000.40	000,40	000 000057	004	1		command and response structures.	0.00	0.4.0
2009-10	SCP#43	SCP-090357	091	1	С	Generalized use of the Multiplexing Application.	9.0.0	9.1.0
2009-10	SCP#43	SCP-090322	092	-	В	TAR reservation for EMVCo.	9.0.0	9.1.0
2009-10	SCP#43	SCP-090322	093	-	В	Tag reservation of the contactless functionality	9.0.0	9.1.0
						control.		
2010-03	SCP#44	SCP(10)0058	094	-	В	Reservation of Tag values for 3GPP.	9.1.0	9.2.0
2010-07	SCP#45	SCP(10)0144	097	1	В	Definition of TAR value for OMA BCAST smart	9.2.0	10.0.0
						card centric audience measurement.		
2010-07	SCP#45	SCP(10)0144	098	-	D	Removal of redundant information in clause 6.	9.2.0	10.0.0
2010-07	SCP#45	SCP(10)0144	100	-	D	Correction of status of MM Transfer Status	9.2.0	10.0.0
2010-07	SCP#45	SCP(10)0144	101	_	С	tag. Context specific tags for COMPREHENSION-	9.2.0	10.0.0
2010 07	001 #40	001 (10)0144	101			TLVs.	3.2.0	10.0.0
2010-10	SCP#46	SCP(10)0248	102	-	В	Tag for extended registry application data.	10.0.0	10.1.0
2011-01	SCP#47	SCP(11)0036r1	103	1	F	Correction of tag description for Network	10.1.0	10.2.0
		, ,				Measurement Results (3GPP).		
2011-01	SCP#47	SCP(11)0037r1	104	-	В	TAR allocation for Visa® Inc.	10.1.0	10.2.0
2011-03	SCP#48	SCP(11)0091	105	-	В	Allocation of URI tag.	10.2.0	10.3.0
2011-05	SCP#49	SCP(11)0186r1	106	1	В	Addition of 3G App codes for USIM-INI and	10.3.0	11.0.0
0044.05	000,40	000(44)0407	407		_	USIM-RN.	40.00	44.0.0
2011-05	SCP#49	SCP(11)0187	107	-	В	Addition of re-assignment indication for 3GPP- reserved COMPREHENSION-TLV tag values	10.3.0	11.0.0
						and addition of COMPREHENSION-TLV tag		
						values for 3GPP IARI IMPU list IMS Status		
						Code.		
2011-05	SCP#49	SCP(11)0173r1	108	-	В	Addition of tags for encapsulated CAT (wrong	10.3.0	11.0.0
						CR number allocated, renumbered to 108).		
2011-09	SCP#52	SCP(11)0279r1	109	1	F	CR 101 220 R11 #109r1: Tags for envelope	11.0.0	11.1.0
2012-03	SCP#54	SCP(12)000009r1	111		В	container and call control result.  CR 101 220 R11 #111: Allocation of	11.0.0	11.1.0
2012-03	3CF#34	3CF(12)00000911		-	В	COMPREHENSION-TLV Tag Value for	11.0.0	11.1.0
						3GPP2 Emergency Call.		
2012-12	SCP#57	SCP(12)000266	112		В	Tags for encapsulated CAT secure channel	11.1.0	12.0.0
						Tag value for "MAC" is '60' as '61' was already		
						assigned to "3GPP2 (Emergency Call Object		
2012-12	SCP#57	SCP(12)000262	114		В	Tag)".  ID for the High Update Arrays GP Global	11.1.0	12.0.0
2012-12	SCP#57	SCP(12)000262	114		В	Service.	11.1.0	12.0.0
2012-12	SCP#57	SCP(12)000291r1	115		В	Addition of M2MSM ETSI app code and M2M	11.1.0	12.0.0
2012 12	331 1/31	33. (12)00020111				service Tag.		12.0.0
2013-07	SCP #60	SCP(12)000259r1	113	1		Allocation of COMPREHENSION-TLV tag	11.1.0	12.0.0
		` ,	<u></u>			value for refresh enforcement policy.		
2013-07	SCP #60	SCP(13)000153	116	1		Tag for CAT service list.	11.1.0	12.0.0
2013-07	SCP #60	SCP(13)000158r1	118			Tag for DNS Server Address.	11.1.0	12.0.0
2013-07	SCP #60	SCP(13)000172r1	119			Correction of RID registration.	11.1.0	12.0.0
2013-07	SCP#60	SCP(13)000154	117 121		P	Generic MO short message control support.  Allocation of tag values for new TLV objects	11.1.0	12.0.0
2013-10	SCP#61	SCP(13)000252r1	121		В	defined in 3GPP.	12.0.0	12.1.0
2014-02	SCP#62	SCP(14)000036	122		D	Modifications for 3GPP2 CCAT Specification	12.0.0	12.1.0
2017 02	331 1/02	33. (14)00000				Update.	12.0.0	
2014-04	SCP#63	SCP(14)000092	123		В	Add TLV tag support for 3GPP2 USSD.	12.0.0	12.1.0
2014-04	SCP#63	SCP(14)000093	124		С	Deletion of tag value for IP Address List and	12.0.0	12.1.0
						Surrounding macrocells TLV objects (3GPP		
0044.00	000"01	000/44/202423	465		_	request).	40.00	40.4.0
2014-06	SCP#64	SCP(14)000164	125		В	Allocation of tag value for PLMN ID defined in 3GPP.	12.0.0	12.1.0
		1	1	1	Ĭ.	Journia.	1	ĺ

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Date	Meeting	Plenary Doc	CR	Rev	Cat	Subject/Comment	Old	New
2014-06	SCP#64	SCP(14)000196r1	126		В	Attribution of AID and Tag for oneM2M.	12.0.0	12.1.0
2014-12	SCP#66	SCP(14)000278	127		В	Tag allocation for Platform to Platform CAT Secured APDU.	12.0.0	12.1.0
2014-14	SCP#66	SCP(14)000318	128		В	Allocation of TAR value for OMA LWM2M SMS security.	12.0.0	12.1.0
2014-12	SCP#66	SCP(14)000344r1	129		В	Allocation of 3G application code for 3GPP (HPSIM - TS 31.104).	12.0.0	12.1.0
2015-02	SCP#67	SCP(15)000073r2	130		F	Tag reservation for 3GPP usage.	12.0.0	12.1.0
2015-04	SCP#68	SCP(15)0000113r 1	132r1		В	Allocation of tag value for Supported Radio Access Technologies.	12.1.0	13.0.0
2015-06	SCP#69	SCP(15)000165	133		В	Alignment with 3GPP CT6 tag assignment.	12.1.0	13.0.0
2016-07	SCP#74	SCP(16)000137	137		В	Addition of eUICC operation command.	13.0.0	14.0.0
2016-07	SCP#74	SCP(16)000148	138		В	New Remote Management Application Data Template BER-TLV Tag.	13.0.0	14.0.0
2017-06	SCP#79	SCP(17)000076	139		В	Tag for application specific refresh data.	13.0.0	14.0.0
2017-06	SCP#79	SCP(17)000081r1	144		F	Creation of Rel-14 version of the specification and implementation of outstanding CRs.	13.0.0	14.0.0
2017-09	SCP#80	SCP(17)000132	145		В	Allocation of values reserved for 3GPP.	14.0.0	15.0.0
2019-03	SCP#87	SCP(19)000042	146		В	Tag for GSMA.	15.0.0	15.1.0
2019-10	SCP#89	SCP(19)000168	147		В	Introduction of the family identifier for SSP.	15.1.0	15.2.0
2019-10	SCP#89	SCP(19)000191	148		F	Add references to ETSI TS 102 267, ETSI TS 102 588 and ETSI TS 102 705.	15.1.0	15.2.0
2021-03	SCP#98	SCP(21)000010r1	149	1	В	Addition of 3GPP USIM (non-IMSI SUPI Type).	15.2.0	16.0.0
2022-03	SET#104	SET(22)000034	152		В	Alignment with 3GPP CT6 tag assignment and reallocation of tag value 58 wrongly allocated, introduction of Satellite NG-RAN.	16.0.0	17.0.0
2022-03	SET#104	SET(22)000035	153		В	Tag for LSI numbers data object.	16.0.0	17.0.0
2022-03	SET#104	SET(22)000036	154		В	AID and TAR values unique in the scope of an LSE.	16.0.0	17.0.0
2022-09	-	-	-			Fix slipped data rows in table 7.23.	17.0.0	17.0.1
2022-12	SET#108	SET(22)00218	156		F	3GPP Alignment: addition of CAG feature and Tracking Area identification tags.	17.0.1	17.1.0
2022-12	SET#108	SET(22)000256r1	157	1	F	Addition of abbreviations.	17.0.1	17.1.0
2024-03	SET#113	SET(24)000031	158	1	В	Addition of tag '84' to Terminal capabilities template ('A9')	17.1.0	18.0.0
2024-03	SET#113	SET(24)000035r1	159		В	3GPP SSIM Application addition	17.1.0	18.0.0

## History

	Document history					
V18.0.0	May 2024	Publication				