

# ETSI TS 101 220 V10.4.0 (2017-11)



TECHNICAL SPECIFICATION

**Smart Cards;  
ETSI numbering system  
for telecommunication application providers  
(Release 10)**

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**Reference**

RTS/SCP-T070653va40

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**Keywords**

GSM, ID, smart card, UMTS

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# Foreword

This Technical Specification (TS) has been produced by ETSI Technical Committee Smart Card Platform (SCP).

The contents of the present document are subject to continuing work within TC SCP and may change following formal TC SCP approval. If TC SCP modifies the contents of the present document, it will then be republished by ETSI with an identifying change of release date and an increase in version number as follows:

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where:

- x the first digit:
  - 0 early working draft;
  - 1 presented to TC SCP for information;
  - 2 presented to TC SCP for approval;
  - 3 or greater indicates TC SCP approved document under change control.
- y the second digit is incremented for all changes of substance, i.e. technical enhancements, corrections, updates, etc.
- z the third digit is incremented when editorial only changes have been incorporated in the document.

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# Modal verbs terminology

In the present document "**shall**", "**shall not**", "**should**", "**should not**", "**may**", "**need not**", "**will**", "**will not**", "**can**" and "**cannot**" are to be interpreted as described in clause 3.2 of the [ETSI Drafting Rules](#) (Verbal forms for the expression of provisions).

"**must**" and "**must not**" are **NOT** allowed in ETSI deliverables except when used in direct citation.

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## 1 Scope

The scope and content of the present document is to be found in ETSI TS 101 220 (Release 11) [1].

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## 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.

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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 necessary for the application of the present document.

- [1] ETSI TS 101 220: "Smart Cards; ETSI numbering system for telecommunication application providers (Release 11)".
- [2] - [31] Void.

### 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.

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.

- [i.1] Void.
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## 3 Void

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## 4 Void

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## 5 Void

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6 Void

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7 Void

Annex A (normative):  
Void

Annex B (normative):  
Void



Annex C (normative):  
Void

Annex D (normative):  
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Annex E (normative):  
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Annex H (informative):  
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Annex I (normative):  
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Annex J (normative):  
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Annex K (normative):  
Void

Annex L (normative):  
Void

Annex M (normative):  
Void

Annex N (informative):  
Void

## Annex O (informative): Change history

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

Change 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 SMG when TC ICC was closed in early 1998.		1.2.1
1998-10	SMG #27	98-0673			B	Addition of normative annex C, introducing AID coding for GSM and Toolkit Applications.	1.2.1	1.3.0
1999-09	SMG #29	P-99-415			B	Addition of normative annex D, introducing AID coding for SIM Toolkit packages.	1.3.0	1.4.0
2000-05	SMG #31	P-00-142			F	Alignment of the AID allocation procedure.	1.4.0	3.0.0
		P-00-142			B	Definition of an AID for TETRA.  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.		
2000-12	SCP-03	9-00-0443			F	Correction of the AID coding for the SIM API packages.	3.0.0	3.1.0
2001-03	SCP-05	SCP-010137	007		B	Toolkit Application Reference (TAR) management.	3.1.0	3.2.0
		SCP-010138	008		B	Incorporation of 3GPP AID specification.		
2001-07	SCP-06	SCP-010174	009		F	Clarification of the specification number of the application provider code in annex F.	3.2.0	3.3.0
2001-10	SCP-07	SCP-010308	010		C	Allocation of new TAR values for Remote File Management.	3.3.0	4.0.0
2001-12	SCP-08	SCP-010387	011		F	Correction to allocation of TAR values for "Remote File Management Applications" clause.	4.0.0	4.1.0
2002-06	SCP-10	SCP-020156	012		B	Allocation of TAR values for the USAT Interpreter	4.1.0	5.0.0
			013		B	Addition of ISIM AID.		
2003-01	SCP-12	SCP-030060 SCP-030077	016		D	Remove UICC as an abbreviation to align with 3GPP TR 21 905.	5.0.0	6.0.0
			014	2	B	Definition of TLV Forms and TLV Tag Value Tables.		
			015		B	Update of Statement of Scope.		
2003-05	SCP-13	SCP-030160 SCP-030112	017		B	BER-TLV Tag Reservation for card application communication.	6.0.0	6.1.0
			018		B	Allocation of AID for the uicc.* packages.		
2003-12		SCP-030410 SCP-030479	019		D	Corrections on PIX and Application codes.	6.1.0	6.2.0
			020		F	Modifying annex A from informative to normative.		
			021		B	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 TS 102 226 and TS 31.116 Release 6 specifications.		
			025		B	New Comprehension TLV Tag for IMEISV.		
			026		F	Alignments regarding tag 86.		
		029		F	Tag allocation for new comprehension TLV: Battery State.	6.2.0	6.3.0	
			030		B	Tag reservation for Browsing status event in CAT.		
		SCP-040033	032		B	Allocation of tags for Fill and Repeat Pattern.		
		SCP-040088	033		C	Removal of EIA/TIA-136 Tags.		

Change history								
Date	Meeting	Plenary Doc	CR	Rev	Cat	Subject/Comment	Old	New
2004-05	SCP#17	SCP-040235	034		D	Transfer of the COMPREHENSION-TLV Tags from ETSI TS 102 223.	6.3.0	6.4.0
			035		B	Allocation of new tag values for Expanded Remote Application data format.		
2004-09	SCP#18	SCP-040315	027	1	B	Introduction of new tags for the frames in CAT.	6.4.0	6.5.0
			036		B	New Tags for BER-TLV EFs.		
			SCP-040371	037		B		
2004-11	SCP#19	SCP-040352	039		F	Tag reservation for 3GPP features.	6.5.0	6.6.0
		SCPt040286	040	2		BER-TLV reservation for 3GPP feature.		
		SCPt040272	041			Clarification for non-specific references.		
		SCP-040470	043			Alignments with ETSI TS 131 111.		
		SCPt040300	042			Clarification of length coding for TLV.		
2005-01	SCP#20	SCPt040336	039			Classification on List of allocated BER-TLV tag values.	7.0.0	7.1.0
		SCPt040492	044			New Tag for Introduction of MEID.		
		SCPt040582	045			Addition of File Update Information tag.		
2005-05	SCP#21	SCP-050060	038	2		Allocation of TAR values for Expanded Remote Application data format.	7.1.0	7.2.0
		SCPt050147	046		B	Tags for 3GPP MMS commands.		
		SCPt050121	047		F	Modifications due to revision of ISO/IEC 7816-4 series.		
2005-09	SCP#22	SCP-050166	048		B	Allocation of TAR values for ADF Remote File Management Applications.	7.2.0	7.3.0
		SCP-050282	050	1	B	Tags for MMS Toolkit commands.		
		SCPt050876	052		F	Correct reference to an annex.		
2005-12	SCP#23	SCP-050882	053		F	Cleaning of the specification.	7.3.0	7.4.0
		SCP-050503	054		B	Reservation of Comprehension-TLV tags for 3GPP related to the new I-WLAN bearer in 3GPP.		
		SCP-060152	056		D	Removal of double quotes		
2006-03	SCP#25	SCP-060244	055	2	B	Addition of specific UICC environmental conditions tag.	7.4.0	7.5.0
		SCP-060253	059	1	B	Addition of supported system command tag.		
		SCP-060289	060		B	Reservation of Application code for DVB CBMS KMS.		
2006-07	SCP#26	SCP-060474	064	1	F	Clarify 3GPP UICC AID.	7.5.0	7.6.0
		SCP-060466	062	1	F	Correction of Terminal capability indication mechanism.		
		SCP-060486	066	1	B	Tags for error responses for wrong TLVs.		
2006-09	SCP#27	SCP-070018	061	2	B	Addition of tag for the Extension of the number of logical channels.	7.6.0	7.7.0
		067		B	Introduction of an PIX coding for the ISIM API for Java Card™ TS 31.133.			
		SCP-070055	068	2	B	Tags for Remote Management Actions.		
2007-01	SCP#29	SCP-070133	069	1	B	Addition of tag for the Extension of the number of logical channels.	7.7.0	7.8.0
		SCP-070055	068	2	B	Tags for Remote Management Actions.		
2007-05	SCP#30	SCP-070175	063	1	B	Modification of tags for RFM with script chaining.	7.8.0	7.9.0
		SCP-070133	069	1	B	Allocation of TAR values for the OMA SCWS and administrative agent.		
2007-07	SCP#31	SCP-070275	065	4	B	Tags for Launch Application feature.	7.8.0	7.9.0
2007-08	SCP#32	SCP-070315	070	-	C	Reservation of Tag values for 3GPP.	7.9.0	7.10.0
2007-10	SCP#33	SCP-070422	072	-	B	Addition of support for the UICC-CLF interface.	7.10.0	7.11.0
2007-10	SCP#33	SCP-070426	071	-	B	TAR reservation for CAT TP Multiplexing.	7.11.0	7.12.0
2008-01	SCP#35	SCP-080014	073	1	B	Tag reservation related to addition of Network Rejection in 3GPP TS 31.111.	7.12.0	8.0.0
2008-07	SCP#38	SCP-080298	074	2	B	Reserve a CAT template value for proprietary use.	8.0.0	8.1.0
2008-07	SCP#38	SCP-080372	075	1	B	TLV reservation for Secure Channel.	8.1.0	8.2.0
2008-10	SCP#39	SCP-080440	076	-	B	Tag reservation related to addition of Geographical Location Request in 3GPP TS 31.111.	8.2.0	8.3.0
2008-10	SCP#39	SCP-080433	077	-	F	Correction to Toolkit Application Reference listing and ISIM PIX number.	8.2.0	8.3.0
2008-10	SCP#39	SCP-080433	078	-	B	PIX Reservation for 3GPP Contact Manager API for Java Card.	8.2.0	8.3.0
2008-10	SCP#39	SCP-080424	079	-	C	Introduction of the RID for 3GPP2 CSIM application.	8.2.0	8.3.0
2008-10	SCP#39	SCP-080440	080	-	B	Tag reservation related to addition of Broadcast Network Information in ETSI TS 102 223.	8.2.0	8.3.0
2008-10	SCP#39	SCP-080428	081	-	B	TAR reservation for the Controlling Authority Security Domain.	8.2.0	8.3.0

Change history								
Date	Meeting	Plenary Doc	CR	Rev	Cat	Subject/Comment	Old	New
2008-10	SCP#39	SCP-080433	082	-	B	Extending TARs for automatic application data format detection.	8.2.0	8.3.0
2009-01	SCP#40	SCP-090019	083	-	B	Tag reservation for ACTIVATE command.	8.3.0	8.4.0
2009-01	SCP#40	SCP-090063	084	1	B	Reservation of values for 3GPP related to I-WLAN Steering of Roaming Refresh Command.	8.3.0	8.4.0
2009-01	SCP#40	SCP-090062	085	1	B	Tag reservation alignments for Secure Channel.	8.3.0	8.4.0
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	-	B	Reservation of tag values for OMA and GlobalPlatform.	8.4.0	9.0.0
2009-04	SCP#41	SCP-090137	088	-	B	Tag values allocation for 3GPP (support of LTE in 3GPP TS 31.111).	8.4.0	9.0.0
2009-07	SCP#42	SCP-090251	089	-	B	Addition of WiMAX and OMA RIDs.	8.4.0	9.0.0
2009-10	SCP#43	SCP-090322	090	-	B	Tags for indefinite length coding for remote command and response structures.	9.0.0	9.1.0
2009-10	SCP#43	SCP-090357	091	1	C	Generalised use of the Multiplexing Application.	9.0.0	9.1.0
2009-10	SCP#43	SCP-090322	092	-	B	TAR reservation for EMVCo.	9.0.0	9.1.0
2009-10	SCP#43	SCP-090322	093	-	B	Tag reservation of the contactless functionality control.	9.0.0	9.1.0
2010-03	SCP#44	SCP(10)0058	094	-	B	Reservation of Tag values for 3GPP.	9.1.0	9.2.0
2010-07	SCP#45	SCP(10)0144	097	1	B	Definition of TAR value for OMA BCAST smart card centric audience measurement.	9.2.0	10.0.0
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 tag.	9.2.0	10.0.0
2010-07	SCP#45	SCP(10)0144	101	-	C	Context specific tags for COMPREHENSION-TLVs.	9.2.0	10.0.0
2010-10	SCP#46	SCP(10)0248	102	-	B	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 Measurement Results (3GPP).	10.1.0	10.2.0
2011-01	SCP#47	SCP(11)0037r1	104	-	B	TAR allocation for Visa Inc.	10.1.0	10.2.0
2011-03	SCP#48	SCP(11)0091	105	-	B	Allocation of URI tag.	10.2.0	10.3.0
2017-06	SCP#79	SCP(17)000077r1	140	1	F	ETSI TS 101 220, Rel-10 content replacement by reference to ETSI TS 101 220, Rel-11.	10.3.0	10.4.0

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## History

<b>Document history</b>		
V10.0.0	October 2010	Publication
V10.1.0	January 2011	Publication
V10.2.0	March 2011	Publication
V10.3.0	May 2011	Publication
V10.4.0	November 2017	Publication