Technical Specification Group Terminals ***Tdoc TP-000015***
Meeting #7, Madrid, Spain, 13-15 March 2000

Source: T3

Title: Change Requests to TS 31.110 "3G application identifiers"

Agenda item: 5.3.3

Document for: Approval

This document contains two change requests to TS 31.110 v3.0.0 agreed by T3.

T3 Doc	Spec	CR	Rv	Cat	Rel	Subject
T3-000028	31.110	001		F	R99	Addition of USIM version coding
T3-000137	31.110	002		F	R99	Clarification of management of country codes and card issuer identifiers

3GPP TSG-T3 (USIM) Meeting #12
Rome, Italy, 18 - 21 January, 2000

Tdoc T3-000028
(superseeds T3-000020)

3G CHANGE REQUEST

Please see embedded help file at the bottom of this page for instructions on how to fill in this form correctly.

TS 31.110 **CR** **001** Current Version: V3.0.0

3G specification number ↑ *↑ CR number as allocated by 3G support team*

For submission to TSG T # 7 for approval [X]
list TSG meeting no. here ↑ For information [ ]
(only one box should be marked with an X)

Form: 3G CR cover sheet, version 1.0 *The latest version of this form is available from: ftp://ftp.3gpp.org/Information/3GCRF-xx.rtf*

Proposed change affects: USIM [X] ME [ ] UTRAN [ ] Core Network [ ]
(at least one should be marked with an X)

Source: T3 **Date:** 19/01/00

Subject: Definition USIM and UICC Application Identifier coding for release management

3G Work item:

Category: *(only one category shall be marked with an X)*

F	Correction	[X]
A	Corresponds to a correction in a 2G specification	[ ]
B	Addition of feature	[ ]
C	Functional modification of feature	[ ]
D	Editorial modification	[ ]

Reason for change: Change the USIM and UICC Application identifier coding to allow release management.

Clauses affected: Annex A, Annex B, Annex C (new)

Other specs affected:

Other 3G core specifications	[X]	→ List of CRs:	TS 31.102 - CR 001
Other 2G core specifications	[ ]	→ List of CRs:	
MS test specifications	[ ]	→ List of CRs:	
BSS test specifications	[ ]	→ List of CRs:	
O&M specifications	[ ]	→ List of CRs:	

Other comments:

Annex A: (~~Inf~~Normative)
Allocated 3G PIX numbers

~~**Table A.1: Allocated ETSI PIX numbers**~~

~~Table A.1 below is shown for information. The original table can be found in EG 201 220 [12].~~

~~ETSI Application Identifiers~~				
~~Application~~	~~AID~~			~~ETSI document~~
	~~RID (note 1)~~	~~ETSI App Code~~	~~PIX~~	
~~Reserved~~	~~'A000000009'~~	~~'0000'~~	~~Reserved for ETSI~~	
~~GSM~~	~~'A000000009'~~	~~'0001'~~	~~See EG 201 220 [12] for further coding details~~	~~GSM 11.11 [5]~~
~~GSM SIM toolkit~~	~~'A000000009'~~	~~'0002'~~	~~See EG 201 220 [12] for further coding details~~	~~GSM 11.14 [6]~~
~~GSM SIM API for Java™ Card~~	~~'A000000009'~~	~~'0003'~~	~~See EG 201 220 [12] for further coding details~~	~~GSM 03.19 [7]~~
~~NOTE 1: The ETSI RID, as registered by ISO/IEC according to ISO/IEC 7816-5 [2], is 'A000000009'.~~				

Table A.~~2~~1: Allocated 3G PIX numbers

3G Application Identifiers				
Application	AID			3G document (note 2)
	RID (note 1)	3G App Code	PIX	
3G UICC	'A000000087'	'1001'	See annex B for further coding details	3G TS 31.101 [8]
3G USIM	'A000000087'	'1002'	See annex B for further coding details	3G TS 31.102 [9]
3G USIM toolkit	'A000000087'	'1003'	See annex ~~B~~C for further coding details	3G TS 31.111 [10]
NOTE 1: The 3GPP RID, as registered by ISO/IEC according to ISO/IEC 7816-5 [2], 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.				

Annex B: (Normative)
Coding of the PIX for 3G UICC and USIM Applications

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

Digit 1-4 **3G application code**

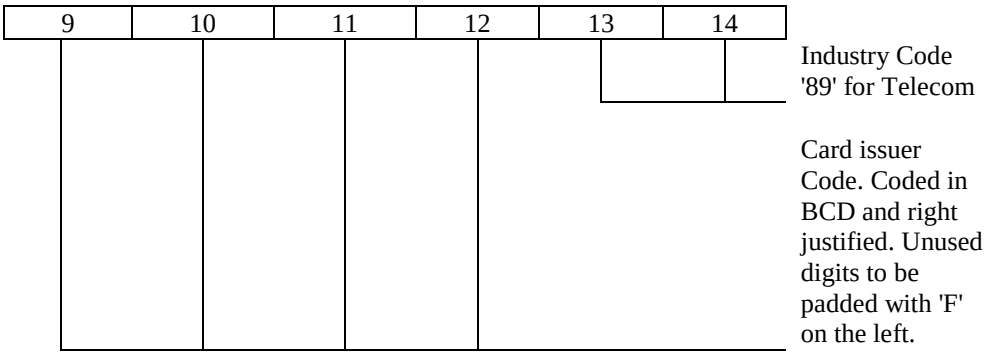
Coding: As specified in clause 4.2 of this document, and as shown in ~~table A.2~~ Annex A.

Digits 5-8 **Country code**

Coding: As specified in clause 4.2 of this document

Digits 9-14 **Application provider code**

Coding: As defined below.

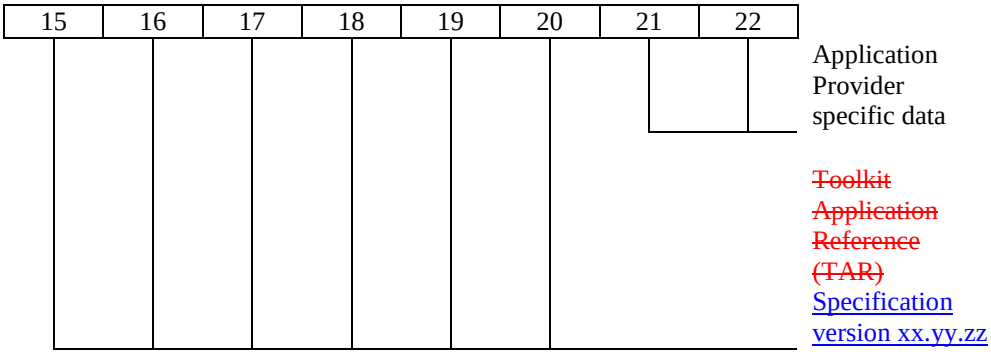


Card issuer code and Industry code are coded in line with ITU-T recommendation E.118 [3].

Digits 15 up to 22 **Application provider field. 8 digits**

~~Digits 15 to 22 are used only if the 3G application code is '1003' (i.e. UICC Toolkit application)~~

Coding: ~~Hexadecimal. If the application is a UICC Toolkit application (as defined in 3G TS 31.111 [10]), the coding is as defined below.~~
Digit 15 to 20, coded in BCD, refer to the specification version xx.yy.zz.
Digit 21 to 22 are coded in hexadecimal.
The application provider field format is as defined below:



~~Toolkit Application Reference as specified in GSM 03.48 [11], is managed by the application provider~~
Application Provider specific data: For application administration purposes.

Annex C (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.

Digit 1-4 3G application code

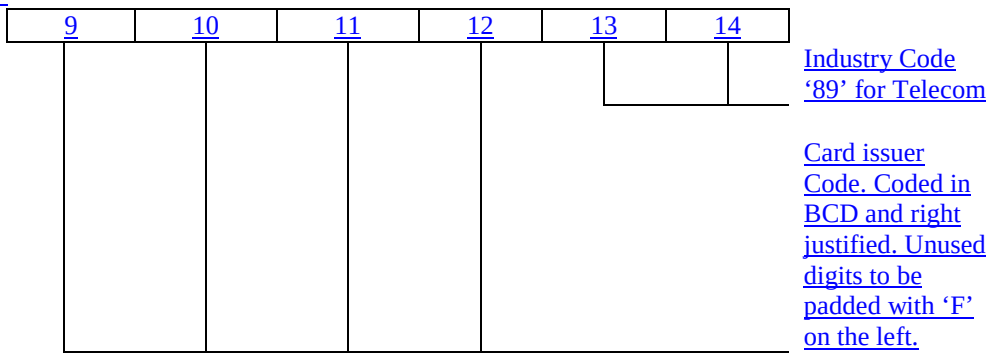
Coding: As specified in clause 4.2 of this document, and as shown in Annex A.

Digits 5-8 Country code

Coding: As specified in clause 4.2 of this document

Digits 9-14 Application provider code

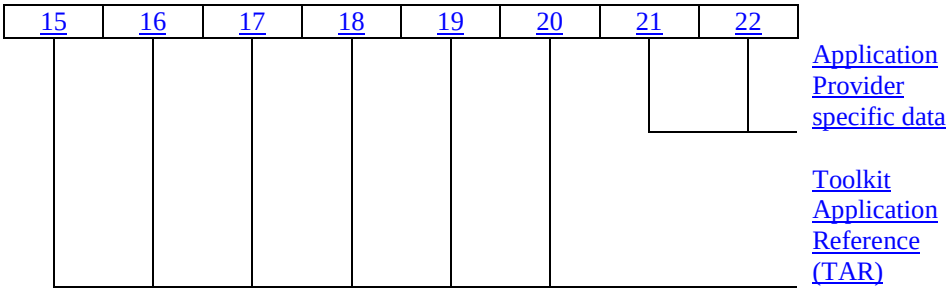
Coding: As defined below.



Card issuer code and Industry code are coded in line with ITU-T recommendation E.118 [3].

Digits 15 up to 22 Application provider field. 8 digits

Coding: Hexadecimal, as defined below.



Toolkit Application Reference as specified in 3G TS 31.xxx [TBD transfered GSM 03.48] [11], is managed by the application provider (i.e. operator in that case)
Application Provider specific data: For application administration purposes.

Annex D: (Informative)
Allocated ETSI PIX numbers

Table D.1: Allocated ETSI PIX numbers

Table D.1 below is shown for information. The original table can be found in EG 201 220 [12].

ETSI Application Identifiers				
Application	**AID**			**ETSI document**
	RID (note 1)	**ETSI App Code**	**PIX**	
Reserved	'A000000009'	'0000'	Reserved for ETSI	
GSM	'A000000009'	'0001'	See EG 201 220 [12] for further coding details	GSM 11.11 [5]
GSM SIM toolkit	'A000000009'	'0002'	See EG 201 220 [12] for further coding details	GSM 11.14 [6]
GSM SIM API for Java™ Card	'A000000009'	'0003'	See EG 201 220 [12] for further coding details	GSM 03.19 [7]
NOTE 1: The ETSI RID, as registered by ISO/IEC according to ISO/IEC 7816-5 [2], is 'A000000009'.				

3GPP TSG-T3 (USIM) Meeting #13
Tokyo, Japan, 21 - 24 February, 2000

Tdoc T3-000137

CHANGE REQUEST

Please see embedded help file at the bottom of this page for instructions on how to fill in this form correctly.

31.110	**CR**	**002**	Current Version:	3.0.0

GSM (AA.BB) or 3G (AA.BBB) specification number ↑ *↑ CR number as allocated by MCC support team*

For submission to:	TSG-T #7	for approval	X	strategic	X	*(for SMG use only)*
list expected approval meeting # here ↑		for information		non-strategic		

Form: CR cover sheet, version 2 for 3GPP and SMG *The latest version of this form is available from: ftp://ftp.3gpp.org/Information/CR-Form-v2.doc*

Proposed change affects: *(at least one should be marked with an X)* (U)SIM [X] ME [ ] UTRAN / Radio [ ] Core Network [ ]

Source: T3 **Date:**

Subject: Clarification of the management of country codes and card issuer identifiers

Work item: Application identifiers

Category: *(only one category shall be marked with an X)*

F	Correction	X	**Release:**	Phase 2	
A	Corresponds to a correction in an earlier release			Release 96	
B	Addition of feature			Release 97	
C	Functional modification of feature			Release 98	
D	Editorial modification			Release 99	X
				Release 00	

Reason for change: The current wording implies that ETSI should administer the issuing of country codes and card issuer codes. In fact, these codes are administered by the ITU-T in line with ITU-T E.164 and E.118.

Clauses affected:

Other specs affected:

Other 3G core specifications		→ List of CRs:
Other GSM core specifications		→ List of CRs:
MS test specifications		→ List of CRs:
BSS test specifications		→ List of CRs:
O&M specifications		→ List of CRs:

Other comments:

help.doc

<--------- double-click here for help and instructions on how to create a CR.

3.2 Abbreviations

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

AID	Application IDentifier
GSM	Global System for Mobile communications
IC	Integrated Circuit(s)
ICC	IC Card
ID	IDentifier
PIX	Proprietary application Identifier eXtension
RID	Registered application provider IDentifier
TETRA	TErrestrial Trunk RAdio

4 Structure of the Application IDentifier (AID)

In accordance with ISO/IEC 7816-5 [2], the AID has the following structure:

<---------- Application IDentifier (AID) ---------->	
Registered application provider IDentifier (RID)	Proprietary application Identifier eXtension (PIX)
<---------- 5 bytes ---------->	<---------- ≤11 bytes ---------->

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 3G RID, as registered by ISO/IEC according to ISO/IEC 7816-5 [2], is 'A000000087'.

4.2 Proprietary application Identifier eXtension (PIX)

The PIX is used at the discretion of 3G and can contain between 7 and 11 bytes of information. The PIX is coded in hexadecimal. Hexadecimal digit 1 is the most significant digit.

Digit 1-4 3G application code

Purpose:	To be used for identification of the standardized 3G card application. Different versions of an application may have individual codings.
Management:	Assigned by ETSI Secretariat on request from the 3G technical body responsible for the document in question.
Coding:	Hexadecimal. The coding indicates the 3G document that specifies the standardized 3G card application and the 3G PIX number. The correspondence between digits 1-4 and the 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 3G applications.

Digits 5-8 Country code

Purpose:	To indicate the country of the application provider of the 3G standardized application.
~~Management:~~	~~Assigned by ETSI Secretariat.~~

Coding: According to ITU Recommendation E.164 [4]. The coding is right justified and padded with 'F' on the left.

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

Digits 9-14 Application provider code

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

~~Management: Assigned by ETSI Secretariat.~~

Coding: 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 3G standardized application. According to ISO/IEC 7816-5 [2], 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.

Digits 1 to 14 are assigned and registered by the ETSI Secretariat upon request by the responsible 3GPP Working Group.

5 Use of the Application IDentifier (AID)

The use of the AID is specified in ISO/IEC 7816-4 [1] and ISO/IEC 7816-5 [2].

Annex A: (Informative)
Allocated PIX numbers

Table A.1: Allocated ETSI PIX numbers

Table A.1 below is shown for information. The original table can be found in EG 201 220 [12].

ETSI Application Identifiers				
Application	**AID**			**ETSI document**
	RID (note 1)	**ETSI App Code**	**PIX**	
Reserved	'A000000009'	'0000'	Reserved for ETSI	
GSM	'A000000009'	'0001'	See EG 201 220 [12] for further coding details	GSM 11.11 [5]
GSM SIM toolkit	'A000000009'	'0002'	See EG 201 220 [12] for further coding details	GSM 11.14 [6]
GSM SIM API for Java™ Card	'A000000009'	'0003'	See EG 201 220 [12] for further coding details	GSM 03.19 [7]
TETRA	'A000000009'	'0004'	See EG 201 220 [12] for further coding details	ETS 300 812
NOTE 1: The ETSI RID, as registered by ISO/IEC according to ISO/IEC 7816-5 [2], is 'A000000009'.				

Table A.2: Allocated 3G PIX numbers

3G Application Identifiers				
Application	**AID**			**3G document** (note 2)
	RID (note 1)	**3G App Code**	**PIX**	
3G UICC	'A000000087'	'1001'	See annex B for further coding details	3G TS 31.101 [8]
3G USIM	'A000000087'	'1002'	See annex B for further coding details	3G TS 31.102 [9]
3G USIM toolkit	'A000000087'	'1003'	See annex B for further coding details	3G TS 31.111 [10]
NOTE 1: The 3GPP RID, as registered by ISO/IEC according to ISO/IEC 7816-5 [2], 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.				