Technical Specification Group Services and System Aspects   *TSGS#17(02)0650*
Meeting #18, New Orleans, USA, 9-12 December 2002

Source: **SA1**

Title: **Release 5/6 CRs to 22.101 on SIM access to IMS Rel-5/6**

Document for: **Approval**

Agenda Item: **7.1.3**

SA Doc	Spec	CR	Rev	Phase	Cat	Subject	Old Vers	New Vers	SA1 Doc
SP-020650	22.101	110		Rel-5	F	SIM access to IMS Rel5	5.7.0	5.8.0	S1-022298
SP-020650	22.101	111		Rel-6	A	SIM access to IMS Rel6	6.1.0	6.2.0	S1-022300

CR-Form-v7

CHANGE REQUEST

| ⌘ | **22.101 CR** | **110** | ⌘ **rev** | **-** | ⌘ | Current version: | **5.7.0** | ⌘ |

*For **HELP** on using this form, see bottom of this page or look at the pop-up text over the ⌘ symbols.*

Proposed change affects: UICC apps⌘ ☐   ME **X**   Radio Access Network ☐   Core Network **X**

Title: ⌘	SIM access to IMS
Source: ⌘	SA1 (Telecom Italia)

Work item code: ⌘	IMS	***Date:*** ⌘	09/10/2002

Category: ⌘	**F**	***Release:*** ⌘	REL-5

Use one of the following categories:
  F *(correction)*
  A *(corresponds to a correction in an earlier release)*
  B *(addition of feature),*
  C *(functional modification of feature)*
  D *(editorial modification)*
Detailed explanations of the above categories can be found in 3GPP TR 21.900.

Use one of the following releases:
  2   *(GSM Phase 2)*
  R96 *(Release 1996)*
  R97 *(Release 1997)*
  R98 *(Release 1998)*
  R99 *(Release 1999)*
  Rel-4 *(Release 4)*
  Rel-5 *(Release 5)*
  Rel-6 *(Release 6)*

Reason for change: ⌘	Requirements on access to the IMS services via existing R99/R4 USIMs were agreed by SA1 to enable a smoother customer transition towards new IM services. However it seems more and more realistic that at the launch of first IMS services, the amount of operator's 2G SIMs will not be neglectable as the migration towards new USIMs will not happen overnight. Moreover, operators should be given flexibility in planning SIMs replacements and not be urged by incoming SIM-uncompatible new IM services. Requiring support of GSM SIM for IMS doesn't pose any new functional requirement with respect to existing requirements. On the security side, other methods based on GSM SIM algorithms (e.g. EAP SIM) could be applied to IMS authentication to enable access via legacy SIMs as well, although they don't guarentee mutual authentication like IMS AKA. SA3 may need to further investigate such security issues, while completing work on IMS access control.
Summary of change: ⌘	A requirement is clarified by which a UE can run IMS services also with unmodified pre-Release 5 GSM SIMs.
Consequences if not approved: ⌘	IM Services could not be provided to terminals equipped with GSM SIMs.

Clauses affected: ⌘	13.1.1

		Y	N		
Other specs	⌘	**X**	☐	Other core specifications ⌘	TS 33.203

How to create CRs using this form:

Comprehensive information and tips about how to create CRs can be found at http://www.3gpp.org/specs/CR.htm. Below is a brief summary:

1) Fill out the above form. The symbols above marked ⌘ contain pop-up help information about the field that they are closest to.

2) Obtain the latest version for the release of the specification to which the change is proposed. Use the MS Word "revision marks" feature (also known as "track changes") when making the changes. All 3GPP specifications can be downloaded from the 3GPP server under ftp://ftp.3gpp.org/specs/ For the latest version, look for the directory name with the latest date e.g. 2001-03 contains the specifications resulting from the March 2001 TSG meetings.

3) With "track changes" disabled, paste the entire CR form (use CTRL-A to select it) into the specification just in front of the clause containing the first piece of changed text. Delete those parts of the specification which are not relevant to the change request.

************ next modified section ********************

13.1 The USIM/ISIM and User Profiles

13.1.1 The USIM

Every USIM shall have a unique identity and shall be associated with one and only one home environment.

It shall be possible for a home environment to uniquely identify a user by the USIM.

The USIM shall be used to provide security features.

For access to services, provided by PS or CS CN domains, a valid USIM shall be required.

The USIM shall be able to support SIM Application Toolkit as specified in 3GPP TS 22.038 [3].

The USIM shall reside on a UICC, 3GPP specifications shall adopt both of the GSM SIM card physical formats. Other formats may also be supported. USIM specific information shall be protected against unauthorised access or alteration.

It shall be possible to update USIM specific information via the air interface, in a secure manner.

Access to the IMS services shall be possible using 3GPP release 99 and release 4 UICCs (USIM and SIM applications), and SIMs (release 4 and earlier).

CR-Form-v7

CHANGE REQUEST

⌘ **22.101** CR **111** ⌘ **rev** **-** ⌘ Current version: **6.1.0** ⌘

*For **HELP** on using this form, see bottom of this page or look at the pop-up text over the ⌘ symbols.*

Proposed change affects: UICC apps⌘ ☐ ME **X** Radio Access Network ☐ Core Network **X**

Title: ⌘	SIM access to IMS
Source: ⌘	SA1 (Telecom Italia)
Work item code: ⌘	IMS
Date: ⌘	09/10/2002

Category: ⌘ **A**   ***Release:*** ⌘ REL-6

Use one of the following categories:
F (correction)
A (corresponds to a correction in an earlier release)
B (addition of feature),
C (functional modification of feature)
D (editorial modification)
Detailed explanations of the above categories can
be found in 3GPP TR 21.900.

Use one of the following releases:
2 (GSM Phase 2)
R96 (Release 1996)
R97 (Release 1997)
R98 (Release 1998)
R99 (Release 1999)
Rel-4 (Release 4)
Rel-5 (Release 5)
Rel-6 (Release 6)

Reason for change: ⌘	Requirements on access to the IMS services via existing R99/R4 USIMs were agreed by SA1 to enable a smoother customer transition towards new IM services. However it seems more and more realistic that at the launch of first IMS services, the amount of operator's 2G SIMs will not be neglectable as the migration towards new USIMs will not happen overnight. Moreover, operators should be given flexibility in planning SIMs replacements and not be urged by incoming SIM-uncompatible new IM services. Requiring support of GSM SIM for IMS doesn't pose any new functional requirement with respect to existing requirements. On the security side, other methods based on GSM SIM algorithms (e.g. EAP SIM) could be applied to IMS authentication to enable access via legacy SIMs as well, although they don't guarentee mutual authentication like IMS AKA. SA3 may need to further investigate such security issues, while completing work on IMS access control.
Summary of change: ⌘	A requirement is clarified by which a UE can run IMS services also with unmodified pre-Release 5 GSM SIMs. This has been reflected in section 13.1.1, stating that "Access to the IMS services shall be possible using GSM SIM, 3GPP release 99 and release 4 UICCs".
Consequences if not approved: ⌘	IM Services could not be provided to terminals equipped with GSM SIMs.
Clauses affected: ⌘	13.1.1

		Y	N				
Other specs affected:	⌘	X		Other core specifications	⌘	TS 33.203	
				Test specifications			
				O&M Specifications			
Other comments:	⌘						

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