

**Source:** T3 chairman

**Title:** Co-ordination of 2G/3G smart card standardisation work

**Agenda item:** 5.4

**Document for:**

Decision	X
Discussion	
Information	

The attached document contains the report of the second meeting of officials from 2G and 3G mobile telecommunication smart card standards groups. The output of their first meeting is contains in PCG doc yy.

The group recommended that ETSI SMG9 should take responsibility for the common high level aspects of mobile telecommunication smart cards standards and create a platform to ensure interoperability between the various system. This would, for example, allow a card to be used in more than one of the systems supported by the participating organisations. This approach has so far been endorsed by the 3GPP2, GAIT, T1P1 and TR-45.

The PCG is also invited to endorse this proposal.

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

***Tdoc T3-000019***

**Report of the  
(U)SIM R-UIM officials meeting #2  
Rome, Italy, 17 January, 2000**

Chairman: Dr Klaus Vedder (Giesecke and Devrient)  
Secretary: Michael Sanders (SMG and 3GPP support team)  
Host: TIM

## **1 Opening of the Meeting**

The Chairman, Dr. Klaus Vedder, opened the second meeting of officials from groups involved with standardising the SIM, USIM and R-UIM. Sergio Cozzolino welcomed the delegates to Rome on behalf of the host Telecom Italia Mobile (TIM).

## **2 Roll Call of Delegates**

The meeting was attended by 17 delegates. The list of delegates can be found in Annex A of this report.

## **3 Input Documents / Agenda**

The approved agenda and list of documents considered at the meeting can be found in Annex B of this report. All documents mentioned in this report are referred to by their SMG9 document number.

## **4 Responses from committees to output from meeting #1**

Document 9-00-0012 (listed as 99-006 at that meeting) contains the conclusions of the (U)SIM R-UIM officials meeting #1 in Austin Texas, 1<sup>st</sup> November, 1999. That meeting concluded that, with the increasing activities of several different committees, there was a danger that the resulting telecommunications smart card standards would diverge, potentially preventing the inter-operation of several systems on one card. It was proposed that the best way to avoid this situation would be to have one committee, ETSI SMG9, responsible for the top-level common aspects of mobile telecommunications smart cards. This conclusion was sent to the standards committees involved. Responses to this document are listed below.

9-00-0013 contains the response from T1P1. It states that T1P1 endorses the proposal and requests to be kept informed on developments related to the USIM.

9-00-0014 contains the response from GAIT (GSM ANSI-136 Interoperability Team). It states that GAIT endorses the proposal and requests to be kept informed on developments.

9-00-0015 contains the response from TR-45. It states that TR-45 endorses the proposal with the understanding that the resulting SMG9 standards, specifications, publications, and recommendations will be made freely available and states further, that requests from TR-45 would be addressed in a timely manner. They note that this would require SMG9 to revise its terms of reference and request that they be informed when this has been completed. They also request that the specific security issue mentioned in the liaison is raised in SMG9.

9-00-0016 contains the response from the 3GPP2 steering committee which is based on discussions they had had within their groups TSG-C (cdma2000) and TSG-S (Services and System Aspects).

3GPP2 endorses the general conclusions in the proposal and states that TSG-C should be used as the contact point for information exchanged between 3GPP2 and SMG9 on these matters. They also request clarification or confirmation on several issues. These are:

- the management of common aspects and requirements versus actual publication of smart card standards.
  - ⇒ this issue is addressed in section 7 of this report.
- SMG9's capability to update the common standard(s) in a timely manner i.e., a minimum of every 6 months, as required.
  - ⇒ SMG9 currently meets 3 - 4 times per year, so this issue should not be a problem.
- SMG9's willingness to license the outputs to other participating bodies on a royalty free basis.
  - ⇒ it was noted that all ETSI deliverables are available free of charge to the general public from the ETSI web site (<http://www.etsi.org/>).

The chairman also reported that SMG #30 (Brighton, 9 - 11 November, 1999) has endorsed the concept that SMG9 expands its scope to include such work.

The 3GPP TSG-T chairman reported that TSG-T #6 (Nice, 13 - 15 December, 1999) had reached the same conclusion.

It was noted that the 3GPP PCG had not yet had a meeting and therefore no response was available.

9-00-0017 contains an LS from ITU-T SG11 to SMG9. It was noted that it had also been presented to the last TSG-T meeting by the SG11 co-ordinator, Mr Yabusaki, and further that SG 11 members had been encouraged to attend this officials meeting. The secretary undertook to inform SG11 of the outcome of this meeting. It was noted that reference methodology between SMG9 and ITU needs to be clarified such that their specifications should contain references to the relevant SMG9 documents.

## 5 Reports from other committees

The SMG9 and T3 chairman reported that there are several new specifications which may be of interest to this group. They are mentioned in section 6 of this report.

The T1P1.2 chairman informed the meeting that there are plans to rescind by ballot their specification ANSI T1.707-1998, "Requirements for a user identity module (UIM) for personal communication services (PCS)" and that they plan to return the responsibility for the directory 7F22 to SMG9.

## 6 Current status of SIM, USIM & R-UIM standardisation work

The chairman identified three specifications which may be of common interest to the group. They are:

- **Draft SMG9 TS xxx xxx** "Administrative Commands for Telecommunication Applications" (9-00-0056). This specification standardises part of the administrative phase of smart card operation, which is currently performed in a proprietary manner. This is achieved by standardising a core set of 7 commands as follows:
  - Create File / Delete File;
  - Activate File / Deactivate File;
  - Terminate DF / Terminate EF;
  - Terminate Card Usage.

It was noted that once approved by SMG9, this specification will be emailed to the supporting committees for comment. It will also be placed on the server in a location accessible to all interested parties.

- **3GPP TS 31.101** "UICC-Terminal Interface; Physical and Logical Characteristics" (9-00-0059). This specification covers those aspects of the terminal/card interface which have to be made common to all cards and terminals if it is intended that terminals from all systems are to be capable of at least reading and identifying the cards from all other systems.

- **3GPP TS 31.110** "Numbering system for telecommunication IC card applications" (9-00-0060). This specification (originally based on the ETSI guide EG 201 220) describes a coding scheme in accordance with ISO/IEC 7816-5 that will allow the identification of applications on a multi-application telecommunications smart card. The 3GPP PCG had agreed that ETSI would be responsible for administering TS 31.110.

It was noted that the two 3GPP specifications are already freely available on the 3GPP server.

The issue of SIM Application Toolkit was raised. Currently, SIM Application Toolkit (GSM 11.14) and the associated specification, GSM 03.48 (secure messaging) are, to some extent, bearer dependent. It was suggested that it would be very useful if a specification containing a core set of bearer independent commands/procedures could be separated out from GSM 11.14 and GSM 03.48. It was agreed that this was a good suggestion and will be raised at SMG9. It was proposed that such a document should have two rapporteurs, one of whom should be from one of the other standards committees.

9-00-0061 contains the draft 3GPP2 R-UIM specification, CS9000 (CS = TSG-C Standard). It is based on GSM 11.11 (September 1999) and is constructed as a delta document, only describing differences with GSM 11.11. TSG-C approved the specification during their December meeting and it was noted that it is freely available on the 3GPP2 server.

## **7 Next steps to co-ordinate SIM, USIM & R-UIM standardisation work**

The following steps were agreed to be necessary if SMG9 is to become the forum for common aspects of mobile telecommunications smart card standards:

- ETSI should approve that SMG9 meetings are open to all members of the supporting committees and that the venues of the SMG9 meetings should reflect the distribution of the home countries of the delegates;
- SMG9 should request ETSI to create an open (not password protected) area on the ETSI server for the storage of working documents and specifications;
- the SMG9 secretary should create an email distribution list to allow simpler communication between the officials of the relevant groups;
- a procedure in case of conflict would have to be elaborated. It was agreed that in the first instance, the officials group should attempt to propose resolutions to such issues which would then have to be endorsed by the respective committees;
- SMG9 should propose, with the co-operation of the supporting committees, a procedure for the release management of common specifications. This should be discussed during the May SMG9 meeting;
- SMG9 should ensure that common specifications will no longer use a GSM specification number.

Regarding the four open issues mentioned in the output from the first officials meeting, the following points were noted:

- the derivation of technology independent service requirements
  - ⇒ it was agreed that each committee should forward their specific service requirements to SMG9. SMG9 would then distribute that information together with its comments to all other committees involved for comments. The same procedure would apply if proposals for services are received by SMG9 directly from a member company.
- common inter-technology requirements such as multiple subscriptions, multi-technology roaming
  - ⇒ these issues will have to be discussed at future SMG9 meetings.
- Toolkit related functionality
  - ⇒ this issue will have to be discussed at future SMG9 meetings. See also section 6 of this report.
- a notification process with the various SDOs.
  - ⇒ see the first bullet item above and the following paragraph.

From an organisational point of view, the whole SMG9 meeting would be open invitation to all

members of the relevant committees. The agenda would contain a specific item to deal with the common issues. At the beginning of the SMG9 meeting, committees would have to report on the work that they have done recently, particularly mentioning CRs. Then that part of the work concerning enhancements to the "Common Platform" would be discussed. Finally, GSM specific issues could be discussed. Non-ETSI members would be free to attend all parts of the meeting.

Other committees would have to be careful not to approve CRs to their specifications which may have an effect on the "Common Platform" before these have been reviewed in SMG9.

The initial contact points for the committees are:

3GPP	Klaus Vedder
3GPP2	Steven Dennett
GAIT	Cameron Coursey
T1P1	Asok Chatterjee
TR45	John Marinho

Subject to agreement by SMG9, the first common meeting will be held at the SMG9 meeting on 22-24 May on Gotland Island, Sweden. It is proposed to have the next meeting in August in Jackson Hole, USA 16 - 18 August, 2000.

## **8 Closing of the meeting**

The draft report of the meeting was approved at the end of the meeting. It was made available as 9-00-0062. The meeting was closed at 17:30.

**ANNEX A List of Delegates**

<b>Name</b>	<b>Organisation</b>	<b>Email</b>	<b>Official position</b>
AHLUWALIA Preet	SBC-TRI	ahluwalia@tri.sbc.com	representing GAIT
BARNES Nigel	Motorola	nigel.barnes@motorola.com	Vice-chair ETSI SMG9
BROWNLEY Jane	Lucent Technologies	jbrownley@lucent.com	Secretary TR-45
COZZOLINO Sergio	Telecom Italia Mobile	scozzolino@mail.tim.it	representing GSM-A SCAG
DENNETT Steve	Motorola	qa1404@email.mot.com	Chair 3GPP2
GOGIC Aleksandar	Vodafone Airtouch	alex.gogic@airtouch.com	Co-chair 3GPP2 TSG-C UIM focus group
HAYES Stephen	Ericsson	eussrh@am1.ericsson.se	Chair T1P1 GTI
HOSFORD Mark	LG Infocomm	mhosford@lginfocomm.com	Chair T1P1.2
KIM Young Kyun	Samsung	youngkyun@telecom.samsung.co.kr	Sr.VP, Standards and Strategy TTA / 3GPP member
LINDHOLM Rune	Nokia Mobile Phones	rune.lindholm@nokia.com	31.101 rapporteur & SMG9 Generics chair
MARINGER Günter	T-Mobil	guenter.maringer@t-mobil.de	Vice chair 3GPP TSG-T3
PARK Sang-Keun	Samsung	skpark@khgw.info.samsung.co.kr	Chair 3GPP TSG-T
RYOO Chang-Ho	Ericsson	changho.ryoo@ekk.ericsson.se	TTA / 3GPP PCG member
SANDERS Michael	3GPP & SMG support	michael.sanders@etsi.fr	Secretary ETSI SMG9 & 3GPP TSG-T3
SENNET DeWayne	AT&T Wireless	dewayne.sennett@attws.com	Chair of UWCC PDFG SIM ad hoc group
VEDDER Klaus	Giesecke & Devrient	klaus.vedder@gdm.de	Chair ETSI SMG9 & 3GPP TSG-T3
WEE Kyu-Jin	Korean ministry of Information	kjwee@cc.rrl.go.kr	Chair TTA IMT-2000 project group

**ANNEX B      Approved agenda and list of documents**

- 1      Opening of the Meeting (at 09:30)
- 2      Roll Call of delegates
- 3      Agenda
- 4      Responses from committees to output from meeting #1
- 5      Reports from other committees
- 6      Current status of SIM, USIM & R-UIM standardisation work
- 7      Next steps to co-ordinate SIM, USIM & R-UIM standardisation work
- 8      Closing of the meeting (by 17:30)

<b>Tdoc*</b>	<b>Title</b>	<b>Source</b>
9-00-0012	LS from 2G/3G SIM, USIM & R-UIM officials meeting: Common mobile telecommunications smart card standard	Officials meeting (99-006)
9-00-0013	LS from T1P1: T1P1 Position on Common mobile telecommunications smart card standard	T1P1/99-264R1
9-00-0014	LS from GAIT: GAIT Position on Common mobile telecommunications smart card standard	GAIT
9-00-0015	LS from TR45: TR45 Position on Common mobile telecommunications smart card standard	TR45
9-00-0016	LS from 3GPP2: 3GPP2 Position on Common mobile telecommunications smart card standard	3GPP2
9-00-0017	UIM requirements and ongoing standardisation work.	ITU-T SG11
9-00-0018	Q.1741 v7.1 (formerly Q.FSU), "IMT-2000 Functionality and Signalling Requirements for UIM"	Q.1741 editors
9-00-0056	Administrative commands specification v1.2.0	SMG9 Generics WP
9-00-0059	3G TS 31.101 v3.0.0	T3 secretary
9-00-0060	3G TS 31.110 v3.0.0	T3 secretary
9-00-0061	CS9000 (3GPP2 R-UIM specification)	3GPP2

\* The documents above refer to ETSI SMG9 documents