

3GPP
TSG-T meeting #5
Kyongju, Korea, 7- 8 October 1999

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Agenda Item: 8
Source: T3
Title: Work item description for a UICC/USIM Database Management
Document for: Approval

Following a review of USIM requirements and the TSG T3 work items at the TSG-T WG3 meeting #8 (23- 25 August), T3 request that TSG-T discuss and approve the attached work item and update the 3GPP work program accordingly.

Work Item - UICC/USIM Database management

Justification and scope

There is a requirement for operators to be able to use secure and complex data structures in the UICC/USIM which may be updated over the air.

This leads to the need for new functionality in the UICC/USIM to allow the storage and manipulation of complex data in the card in a more efficient way by means of a database.

This work item proposes the following scope of work:

- Specification of access policy;
- Specification of internal interface for UICC applications;
- Specification of external interface (considering the use with both handset core software and MExE, but not including the definition of MExE commands);
- Specification of memory recovery requirements and processes;
- Specification of parameters and operations for data views manipulation;
- Investigation of over the air compatibility for downloading;
- Specification of synchronisation processes;
- Investigation into compression techniques;
- relationship between performance and structure of database;
- test scenarios.

Additionally, as part of the scope, the use of database management for an evolution of the 3G phonebook feature should be investigated.

3GPP work area

TSG Terminals, WG3 (USIM)

Linked work items

- 3G TS 31.101 UICC / Terminal Interface; Physical and logical characteristics
- 3G TS 31.102 Characteristics of the USIM application

Service aspects

CRs will be proposed to S1 to include the service requirements for the feature in 22.100 / 22.101 as appropriate.

MMI-aspects

None.

Charging aspects

None.

Security Aspects

Security Requirements from TSG-SA WG3 shall be taken into account.

Impacts

Affects:	USIM	ME	NW	Others
Yes	X	X		
No			X	
Don't know				

Expected Output and Timescales

TSG adoption of WI	October 1999	
Start of work	January 2000	
First complete draft	June 2000	(draft CRs)
WG approval	September 2000	(CR for approval)
TSG approval	September 2000	(updated version of 31.101 and 31.102)

Work item rapporteur

Bruno Basquin, Gemplus

Supporting companies

Vodafone, Gemplus, Siemens, Schlumberger, NTT DoCoMo

Primary responsible working party

3GPP TSG-T WG3

Secondary responsible working parties

- 3GPP TSG-T WG2 (Terminal capabilities)
- 3GPP TSG-SA WG1 (Services)
- 3GPP TSG-SA WG3 (Security)

Others

None.