3GPP TSG-T (Terminals) Meeting #18
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Tdoc TP-020288

3GPP TSG-T3 T3-020944
Meeting #25, Maastricht, Netherlands, 5-8 November 2002

Source:	**TSG-T3**
Title:	**Revised Draft Work Item Description:** **Release 6 User Equipment Management: USIM Aspects** **WI Type: Work Task**
Document for:	**Agreement**
Agenda Item:	**7.3**

This work item description is based on the draft SA5 UEM Building Block work item description.

Work Item Description

Title: **User Equipment Management (UEM): UICC resident 3GPP applications Aspects**

User Equipment Management (UEM) is a capability that will allow the Operator, Service Provider and/or User Equipment Manufacturer/User Equipment Supplier to remotely manage User Equipment.

1   3GPP Work Area

	Radio Access
	Core Network
X	Services
X	Terminals

2   Linked work items

·   UEM Building Block (SA5)

·   UEM Security Aspects (SA3)

3   Justification

The UEM feature allows User Equipment (UE) to be remotely managed. The Release 5 UEM feasibility study (TR 32.802) defines the UE as consisting of the Mobile Equipment (ME) and the USIM, and the scope of UEM to include both the ME and USIM domains.   The UEM feasibility study identified a number of USIM functions that should be addressed in the standards. This work task is intended to address those USIM functions and any others that are identified during the course of the work, including those that might be identified in the linked work items.

4   Objective

Three key UEM capabilities are identified in TR 32.802 for potential standardization in the Release 6 timeframe:

1)   UE Configuration Query capability that allows UE configuration information to be remotely requested and retrieved;

Against this capability TR 32.802 identified the following UE/USIM considerations:

"Some sort of client is required on the User Equipment."

"There needs to be a way of receiving the command on the UE."

"It would be useful if the names/parameters and data structures are standardised."

2)   UE Reconfiguration capability that allows configuration changes to be made to the UE remotely;

Against this capability TR 32.802 identified the following UE/USIM considerations:

"There needs to be a way of receiving the command on the UE."

"It would be useful if the names/parameters and data structures are standardised."

3)   Remote UE Diagnostics capability to run diagnostic applications on the UE to aid fault resolution.

Against this capability TR 32.802 identified the following UE/USIM considerations:

"It should be possible to execute diagnostic applications on the UE. If necessary, it should also be possible to download diagnostic applications to the UE and to delete the executables on completion. It would be useful if the names/parameters and data structures are standardised."

It will be investigated whether the name, parameter, and data structure standards contained in the Generic User Profile / Data Description Framework specifications (22.240, 23.240, and 23.241) may be re-used for UEM.

5   Service Aspects

None.

6   MMI-Aspects

None.

7   Charging Aspects

None.

8   Security Aspects

T3 anticipate that security aspects of UEM, as investigated by SA3 in their UEM work item, may produce some requirements on the USIM. T3 will work with SA3, as well as with the lead groups, SA5 and T2, to ensure successful completion of the UEM building block work.

9   Impacts

Affects:	UICC Apps	ME	AN	CN	Others
Yes	X	X			
No			X		
Don't know				X	X

10   Expected Output and Time scale (to be updated at each plenary)

New specifications						
Spec No.	Title	Prime resp. WG	2ndary resp. WG(s)	Presented for information at plenary#	Approved at plenary#	Comments
XX.XXX	User Equipment Management (UEM): UICC resident 3GPP applications aspects	T3		T#20	T#21	

Affected existing specifications				
Spec No.	CR	Subject	Approved at plenary#	Comments
TS 31.102		Characteristics of the USIM application		
TS 31.103		Characteristics of the ISIM application		
TS 31.116		Remote APDU Structure for USIM Toolkit Applications		

11   Work item rapporteur

David Smith – AT&T Wireless Services

12   Work item leadership

T3

13   Supporting Companies

AT&T Wireless Services, Orange, Motorola, Gemplus, Schlumberger, SmartTrust

14   Classification of the WI (if known)

	Feature (go to 14a)
	Building Block (go to 14b)
X	Work Task (go to 14c)

14c   The WI is a **Work Task**: parent **Building Block**

Release 6 UEM Building Block (SA5)