3GPP TSG-SA5 (Telecom Management)   **S5-022110**
Meeting #29, Beijing, CHINA, 24 - 28 June 2002

Title:	**[DRAFT]** Liaison Statement on Release 6 WID for User Equipment Management
Source:	**SA5 SWG-A**
To:	T2, T3 and SA3

Contact Person:
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Attachments: S5-022111 [Draft WID for Release 6 OAM&P feature], S5-022109 [Draft Release 6 User Equipment Management Building Block] and S5-022113 [Draft Agenda for joint SA5 SWG-A and T2 SWG-2 Meeting on 20 August 2002]

1. Overall Description:

SA5 is delighted that TR 32.802 has been approved as part of Release 5 and would like to thank all the groups involved for their assistance in achieving this successful outcome.

SA5 has started to consider the Release 6 UEM work and is proposing a Release 6 UEM Building Block be created under the Release 6 OAM&P Feature (that is attached to this liaison). SA5 has drafted a WID for the UEM Building Block and would be grateful if the groups who will need to be involved in this work would review the draft WID and feedback any comments to SA5. Therefore this LS is for ACTION (see clause 2 below).

2. Actions:

To T2, T3 and SA3 groups.

ACTION: **SA5** asks T2, T3 and SA3 groups to review the draft WID for the UEM Building Block. A response would be appreciated by SA5#30 (August 19-23).

To T2 group.

ACTION: **SA5** asks T2 SWG2 group to review the attached draft agenda for the joint meeting between SA5 SWG-A and T2 SWG2 on August 20, 2002 at Tampere, Finland at which we propose to start the Release 6 UEM work planning.

3. Date of Next SA5 Meetings:

Meeting	Date	Location	Host
SA5#30	**19-23 Aug 2002**	**Tampere, FINLAND**	**NOKIA**
SA5#31	**7-11 Oct 2002**	**Phoenix, AZ, USA**	**NA Friends**
SA5#32	**18-22 Nov 2002**	**Sophia Antipolis, FRANCE**	**ETSI**

3GPP TSG-SA5 (Telecom Management)   **S5-022113**
Meeting #29, Beijing, CHINA, 24 - 28 June 2002

Source:	**SWG-A**
Title:	**Draft Agenda for joint SA5 SWG-A and T2 SWG-2 Meeting on 20 August 2002**
Document for:	**Discussion**
Work Item:	**UEM, SM**
Specs involved:	**32.140, 32.802**

Draft Agenda for joint SA5 SWG-A and T2 SWG-2 Meeting on 20 August 2002

1   GUP/Subscription Management
1.1   DDF and common objects discussions

2   UEM
2.1   Release 6 UEM Work Item Description
2.2   Release 6 UEM project plan (see TR 32.802 clause 7)
2.3   Other UEM contributions

3   AOB

Source:	**SWG-A UEM session**
Title:	**Draft Work Item Description: Release 6 User Equipment Management WI type: Building Block**
Document for:	**Discussion**
Agenda Item:	**SWG-A Item 6**

Work Item Description

Title: User Equipment Management (UEM)

User Equipment Management (UEM) is a capability which 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

·   31008 GUP

·   42002 Stage 2 Data Description Framework (DDF)

·   2062 SuM TS 32.140

·   42005 Release 6 MExE enhancements: 22.057 (SA1) and 23.057 (T2)

·   (U)SIM Toolkit enhancements (T3)

·   UEM Security issues (SA3) TBC

·   31013 Release 6 UE Functionality Split/IMS (SA1) TBC

3   Justification

The capabilities of the user equipment in 3G are becoming and will continue to become ever more sophisticated and integrated (high definition colour screens, faster processors, built in cameras, integrated media players etc.). The sophisticated capabilities of 3G User Equipment will require a flexible means to support management of the UE satisfying the end-customers, service providers, network operators and UE manufacturers' need.

The Release 5 User Equipment Feasibility Study (TR 32.802) shows that User Equipment Management (UEM) is a very worthwhile area for standardisation and it would bring a number of benefits to the users/subscribers, network operators/service providers and the UE manufacturers/suppliers. This Release 6 UEM Building Block is to build upon this work and produce the technical specifications for UEM.

4   Objective

TR 32.802 "User Equipment Management (UEM) Feasibility Study" contains some UEM capabilities. From TR 32.802 three key UEM capabilities identified for the UEM work are (in priority order with highest priority first):

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

2)   UE Reconfiguration capability that builds upon the UE Configuration Query capability in that it allows configuration changes to be made to the UE remotely;

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

At a minimum UEM capability (1) shall be standardised in Release 6.

In order to facilitate a timely introduction of the User Equipment Management building block work, SA5 (the primary lead) and T2 (the secondary lead) will lead the Release 6 UEM building block to produce the technical specifications.

To conduct the UEM Building block the lead groups (SA5 and T2) will coordinate the work of the respective expert groups SA1, SA3, SA5, T2, and T3 in any effective manner (e.g., through joint meetings, etc.).

5   Service Aspects

The UEM capabilities should be able to function both when a user is roaming and is not roaming. S1 will be involved on a consultancy basis to ensure the service aspects are addressed. Requirements specifications produced by S1 GUP will be investigated for UEM related requirements.

6   MMI-Aspects

Interaction with the user may be required for example to obtain permission from the user before performing UEM interactions. T2 will be involved to ensure the UEM MMI aspects are adequately addressed.

7   Charging Aspects

Flexibility is required for the charging of the UEM capabilities. TR 32.802 contains some details on how the different UEM capabilities are expected to be charged.

8   Security Aspects

Security is crucial to UEM and S3 will be involved to ensure the UEM security aspects are adequately addressed. TR 32.802 contains some initial security considerations on the UEM capabilities.

9   Impacts

Affects:	USIM	ME	AN	CN	Others
Yes	X	X			X
No			X		
Don't know				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
32.xxx	UEM Requirements and Architecture (Stages 1 & 2)	SA5	T2	TSG#20 (06/03)	TSG#21 (09/03)	
2x.xxx	UEM Protocol Specification	T2		TSG#20 (06/03)	TSG#21 (09/03)	
Affected existing specifications						
Spec No.	CR	Subject		Approved at plenary#		Comments
				TSG#12 (06/01)		

11   Work item raporteurs

(name of physical person & e-mail address)

12   Work item leadership

(one WG, e.g. SA5)

13   Supporting Companies

(at least 4 companies)

14   Classification of the WI (if known)

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

14b   The WI is a **Building Block**: parent **Feature**

Release 6 OAM&P Feature

15   Work Tasks under this Building Block

Building Block	Work Task	Description	Release
UEM	Produce requirements & architecture [SA5 WT]	The requirements for UEM shall be defined and a UEM architecture produced.	Release 6
UEM	Protocol Specification, GUP & gap analysis [T2 WT]:	A protocol for UEM interactions between the UE and the UEM server is required. It is expected that much of the technology required for UEM is becoming available and a gap analysis task needs to be performed to determine where there are gaps between the available technology and that required for UEM. Substantiate SyncML DevMan to leverage the UEM capabilities.	Release 6
UEM	UEM security [SA3 WT]	A trusted relationship is needed between the UEM client and server, the requestor as well as the UE needs to be authenticated.	Release 6
UEM	Analysis of compliance to 3GPP TS 23.227 [T2 WT]	3GPP TS 23.227 "Application and User interaction in the UE - Principles and specific requirements" contains requirements affecting UEM.	Release 6
UEM	USIM work [T3 WT]	UEM includes the USIM domain and some work is expected to be required on the USIM e.g. USIM parameter definition.	Release 6