Source: **SA1**

Title: **Work Items for approval from SA1**

Document for: **Approval**

Agenda Item: **7.1.3**

SA1 Doc No	Subject
S1-010222	UMTS/GSM ANSI-41 inter-standard roaming
S1-010228	Support of presence capabilty

TSG-SA WG 1 (Services) meeting #11   TSG S1 (01) 222

Cape Town, South Africa, 6th - 9th Feb 2001   Agenda Item: 8.6

Title: **UMTS/GSM ANSI-41 inter-standard roaming. Work Item.**

Source: **QUALCOMM Europe SARL, Lucent Technologies, Samsung Electronics Research Group, Vodafone Group, SBC Communications, Hutchison 3G.**

Date: **8 February 2001**

Title: UMTS/GSM-**ANSI-41** Inter System Roaming

1   3GPP Work Area

	Radio Access
X	Core Network
X	Services

2   Linked work items

SA3 Work Item on enhancing home environment control of security

SA1 Work Item on UMTS Interworking with ANSI-41 networks

3   Justification

A work item for inter-standard roaming between UMTS/GSM and ANSI-41 has previously been agreed in SA1 but is not contained in the 3GPP workplan.

Work has been done outside 3GPP on inter-standard roaming, notably by GSM-ANSI-136 Interworking (GAIT), GSM Global Roaming Forum (GGRF), and TIA TR45.2. The approach uses an Interworking/Interoperability Function (IIF) which does not require changes to GSM-MAP. However, the impact of this work on UMTS specifications should be examined by 3GPP. There is a need for a complete picture of UMTS/GSM - ANSI-41 inter-standard roaming to ensure that all aspects are adequately addressed.

4   Objective

The objective is to define service requirements for UMTS/GSM - ANSI-41 inter-standard roaming and identify further work required by 3GPP. To this end it is proposed to hold a workshop open to delegates of 3GPP, 3GPP2, TR45, GAIT and GGRF.

5   Service Aspects

Assumptions for inter-standard roaming:

- Interworking/Interoperability Function (IIF), for ANSI-41/GSM MAP interworking
- Authentication support
- Multimode SIM/R-UIM
- (Optional) multimode terminal
- Billing support
- Roaming agreements.

Modes of operation:

- UMTS/GSM Native Mode - subscriber homed in UMTS/GSM, operating in UMTS
- UMTS/GSM Foreign Mode - subscriber homed in ANSI-41, operating in UMTS/GSM
- ANSI-41 Native Mode - subscriber homed in ANSI-41, operating in ANSI-41
- ANSI-41 Foreign Mode - subscriber homed in UMTS/GSM, operating in ANSI-41.

6   MMI-Aspects

None

7 Charging Aspects

tbd

8 Security Aspects

Positive authentication reporting already addressed.

9 Impacts

Affects	USIM	ME	RAN	CN	Others
Yes	X			X	
No					X
Don't know		X	X		

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

To be defined in a SA established workshop open to delegates of 3GPP, 3GPP2 TR45, T1, GGRF and GAIT. This work item would be expanded by the workshop.

Report from workshop and updated work item expected by TSG-SA#12.

11 Work item rapporteurs

Dr David Williams, QUALCOMM Europe SARL. Email: dwilliams@qualcomm.com

12 Work item leadership

SA WG1

13 Supporting Companies

QUALCOMM Europe SARL, Lucent Technologies N.S (UK), Samsung Electronics Research Group, Vodafone Group, SBC Communications, Hutchison 3G.

14 Classification of the WI (if known)

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

Work Item Description

Title

Support of the Presence Capability

1　　　　3GPP Work Area

	Radio Access
X	Core Network
X	Services

2　　　　Linked work items

Multimedia Messaging Service

3　　　　Justification

The concept of presence, whereby users make themselves "visible" or not "visible" to other parties of their choice, allowing services such as group and private "chats" to take place. Presence is an attribute related to mobility information, and provides a different capability to be exploited by other services. The concept of presence, once supported, will enable other multimedia services to exploit this key enabler to support other advanced multimedia services and communications.

Examples of multimedia services that could potentially exploit the presence capability include "chat", e-mail, multimedia messaging, instant messaging etc.

4　　　　Objective

The objectives of this work item:-
- To define and develop the support of the concept of presence information to facilitate multimedia services in a wireless network

5　　　　Service Aspects

Presence capability shall consider the current mobility information and mobility related services, and determine their interaction, if any, with the support of presence concept.

6　　　　MMI-Aspects

Services exploiting the presence capability, will enable monitoring status information of other users, and enable setting the visibility of users.

7　　　　Charging Aspects

The ability to charge for access to, and use of, presence information is to be considered.

8   **Security Aspects**

Any presence solution must provide a secure procedure to gain access to, and use, presence information.

9   **Impacts**

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

10   **Expected Output and Time scale (to be updated at each plenary)**
The results of this Work Item shall be provided in a Technical Standard or CRs to existing Technical Standards.

In order to clearly state the TSG-S1 Service Requirements to other TSG's and WG's in a timely fashion the following Work Plan is proposed.

New specifications						
Spec No.	Title	Prime rsp. WG	2ndary rsp. WG(s)	Presented for information at plenary#	Approved at plenary#	Comments
22.xxx	Presence Service Stage 1	S1	S2, S3, T2	TSG-SA#12		
Affected existing specifications						
Spec No.	CR	Subject		Approved at plenary#		Comments

11   **Work item raporteurs**

??????

12   **Work item leadership**

S1

13   **Supporting Companies**

Motorola, Siemens, Fujitsu, Lucent Technologies, Sony International Europe, BT, France Télécom, Orange, TIM, Ericsson.

14   **Classification of the WI (if known)**

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

14a   The WI is a Feature: List of building blocks under this feature

(list of Work Items identified as building blocks)

14b   The WI is a Building Block: parent Feature

(one Work Item identified as a feature)

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

(one Work Item identified as a building block)