Technical Specification Group SA *TSGS#17(02)0816*
Meeting #18, New Orleans, USA, 9-12 December 2002

Source:	**SA1**
Title:	**Updated GUP Work Item Description**
Document for:	**Approval**
Agenda Item:	**7.1.3**

This document is a revision of SP-020672. The only changes are the title of 32.802, the rapporteur change from Robert Lockheat to Kevin Houlobek both of Motorola, the dates for 23.241 and 24.241 have been changed and “Data Description Framework” has been replaced with “Data Description Method”.

The WID is based on the proposal in document S1-022066.

3GPP TSG-SA WG2 #27 **S1- 022066**
Beijing, China 14th~ 18th October 2002

Source: **Vodafone**

Title: **Proposal for Upgrading GUP Work Item Description**

Agenda item: **9.2**

Document for: **Discussion & Decision**

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1) The GUP work needs to be carefully co-ordinated with ongoing work in OMA and other bodies such as Liberty Alliance. It is proposed to update the GUP WID to reflect these challenges.

2) S1 plenary needs to exam new version of S1 specifications impacted by the GUP work item.

Work Item Description

Title The 3GPP Generic User Profile (updated)

1 3GPP Work Area

	Radio Access
X	Core Network
X	Services
X	Terminals

2 Linked work items

VHE,
OSA
Subscription Management,
UE Management,
MExE,
IMS,
MMS,
Presence,
Location Based Services,
Push.

3 Justification

The 3GPP Generic User Profile is the collection of data which is stored and managed by different entities such as the UE, the Home Environment, the Visited Network and Value Added Service Provider, which affects the way in which an individual user experiences services.

The 3GPP Generic User Profile is composed of a number of User Profile Components. An individual service may make use of a number of User Profile Components (subset) from the Generic User Profile.

The fact of having several domains within the 3GPP mobile system (i.e. Circuit-Switched, Packet-Switched, IP Multimedia Subsystem and the Service/Application domains) introduces a wide distribution of data associated with the user. Already, several 3GPP WGs specify some parts of the Generic User Profile in their own descriptive methods.

The involvement of different 3GPP WGs and external bodies (eg OMA, Liberty Alliance, etc) in the specification of the details of the Generic User Profile and similar specifications from external bodies introduces the possibility of overlapping of the Generic User Profile specification that can cause incompatibility and inconsistencies between different components of the Generic User Profile. Therefore, a strong co-ordination is required to avoid these situations and to unify the description methods.

4 Objective

The objective of the work item is to:

- Clarify definitions and the mutual influence of the different components
- Define the Scope, components, storage/distribution, ownership, etc
- Formulate the ~~data description framework~~ data description method
- Describe access mechanisms
- Evaluate the consistency of User Profile data access within the framework by defining a limited number of objects

- Address within the Scope of the work item (this list is not intended to be exhaustive and should cover the linked work items in item 2 as well):

- Identify and provide examples of User Profile objects
- ~~Data Description Framework~~Data Description Method TS
- Some “obvious” common objects
- Device management specific objects

- The User Profile Policy shall be addressed (e.g. Privacy)
- Other Generic User Profile related objects
- e.g. Packet Streaming capability specific objects
- Assess possible protocols for transfer of User Profile data between core network elements
- Select and define the protocol for transfer of User Profile data between core network elements
- Assess possible protocols for transfer of User Profile data between the UE and the core network
- Select and define the protocol for transfer of User Profile data between the UE and the core network

5 Service Aspects

Services are customised and personalised by the 3GPP Generic User Profile.

6 MMI-Aspects

The user is able to activate, deactivate, and customise a user profile.

7 Charging Aspects

It shall be possible to support charging for the management and use of user profiles, and for access to user profiles (e.g. alteration of call forwarding).

8 Security Aspects

Access to the 3GPP Generic User Profile data shall be performed in a secure and authenticated manner, and the integrity of user profile information shall be assured.

9 Impacts

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

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

New specifications						
Spec No.	Title	Prime rsp. WG	2ndary rsp. WG(s)	Presented for information at plenary#	Approved at plenary#	Comments
22.240	The 3GPP Generic User Profile (stage 1) - Requirements	SA 1		Plenary #17	Plenary #18	Add text, decide impact on VHE spec.
23.241	The 3GPP Generic User Profile (stage 2) - ~~Data description framework~~Data Description Method	T 2		Plenary #21~~15~~	Plenary #22	Common rules on how to specify User Profile Components
23.240	The 3GPP Generic User Profile (stage 2) - Architecture	SA 2		Plenary #15		Should include structure, storage/distribution, ownership, etc
24.241	The 3GPP Generic User Profile (stage 3; access) - Common objects	T 2		Plenary #21~~16~~	Plenary #22	Objects needed by more than one WG. To avoid conflicting specifications on the same data.
29.240	The 3GPP Generic User Profile (stage 3; network)	CN 4		Plenary #16		

Affected existing specifications				
Spec No.	CR	Subject	Approved at plenary#	Comments
~~22.121~~		~~VHE stage 1~~		~~SA1~~
22.057		MExE Stage 1		SA1
22.140		MMS Stage 1		SA1
22.228		IMS Stage 1		
22.141		Presence		SA1
23.057		MExE Stage 2		T2
23.127		VHE/OSA stage 2		SA2
23.140		MMS Stage 2		T2
23.002		System Architecture Stage 2		SA2

23.228		IMS Stage 2		SA2
26.234		Transparent end-to-end packet switched streaming service (PSS); protocols and codecs		SA4
29.198-7		OSA API:Terminal Capabilities		CN5
31.111		USIM Application Toolkit		T3
31.102		Characteristics of the USIM Application		T3
32.802		User Equipment Management (UEM) feasibility study~~Device management~~		SA5
32.140		Subscription Management		SA5

12 Work item leadership

TSG-SA1 (Primary), TSG-T2 (Secondary)

13 Supporting Companies

Siemens, Materna, Ericsson, Motorola, Comverse, SBC Communications, Orange, Nokia, KPN

11 Work item rapporteurs

22.240 (S1) The 3GPP Generic User Profile (stage 1)
Requirements (NN, T-Mobile, subject to confirmation)

23.240 (S2) The 3GPP Generic User Profile (stage 2)
Architecture (Nacho Uzquiano, Telefonica)

23.241 (T2) The 3GPP Generic User Profile (stage 2)
~~Data Description Framework~~Data description method (~~Rob Lockhart~~Kevin Holoubek, Motorola)

24.241 (T2) The 3GPP Generic User Profile (stage 3; access)
Common Objects (Kevin Holoubek~~Rob Lockhart~~, Motorola)

29.240 (CN4) The 3GPP Generic User Profile (stage 3; network)

12 Work item leadership

TSG-SA1 (Primary), TSG-T2 (Secondary)

13 Supporting Companies

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14 Classification of the WI

X	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

14b The WI is a Building Block: parent Feature

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