Technical Specification Group Services and System Aspects   *TSGS#27(05)0180*
Meeting #27, 14 - 17 March 2005,
Tokyo, Japan

Source: **Lucent Technologies**
Title: **Update to GUP WI**
Document for: **Approval**
Agenda Item: 7.3.1

This is an update to the GUP Work Item, of which, the latest rendition was approved by SA #26 (SP-040741). CN Plenary #26 have decided to approve their own feature level CN wide GUP Work Item in NP-040612. This means that the SA1, SA2, SA3 and SA5 (SuM) work for GUP will become building blocks under that CN Feature level Work Item. This WID has therefore been updated accordingly and is presented for approval by SA. GUP is still a feature required for Release 6 and an exception has been granted for this.

Work Item Description

Title   The 3GPP Generic User Profile

1   3GPP Work Area

	Radio Access
X	Core Network
X	Services
~~X~~	Terminals

2   Linked work items

~~OSA~~
Subscription Management,
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 (e.g. 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
- Describe access mechanisms
- Evaluate the consistency of the User Profile data access within the framework by defining a limited number of objects
- Formulate Identity Management
- The User Profile Policy shall be addressed (e.g. Privacy)
  - 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 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 MMI aspect for GUP are to be addressed in future Work Items but are excluded for this WI

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	X	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 #19	
~~23.241~~	~~The 3GPP Generic User Profile (stage 2) - Data description framework~~	~~CN 4~~		~~Plenary #22~~	~~Plenary #23~~	~~CN4 still need to decide on future of this spec.~~
23.240	The 3GPP Generic User Profile (stage 2) - Architecture	SA 2		Plenary #19	Plenary #20	Should include structure, storage/distribution, ownership, etc
~~24.241~~	~~The 3GPP Generic User Profile (stage 3; access) - Common objects~~	~~CN 4~~		~~Plenary #27~~	~~Plenary #27~~	~~CN4 still need to decide on future of this spec.~~
~~29.240~~	~~The 3GPP Generic User Profile (stage 3; network)~~	~~CN 4~~		~~Plenary #27~~	~~Plenary #27~~	
Affected existing specifications						
Spec No.	CR	Subject			Approved at plenary#	Comments
~~22.140~~		~~MMS Stage 1~~				~~SA1~~
22.228		IMS Stage 1				SA1
23.228		IMS Stage 2				SA2
~~29.228~~		~~IMS Stage 3~~				~~CN4~~
22.141		Presence Stage 1				SA1
23.141		Presence Stage 2				SA2

~~24.141~~		~~Presence Stage 3~~	~~CN1~~
~~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-xy~~		~~OSA Stage 3~~	~~CN5~~
~~31.102~~		~~Characteristics of the USIM Application~~	~~T3~~
~~32.802~~		~~User Equipment Management (UEM) feasibility study~~	~~SA5~~
32.140		Subscription Management	SA5
33.220		Generic Authentication Architecture	SA3

11 Work item rapporteurs

22.240 (S1) The 3GPP Generic User Profile (stage 1) Requirements (Kurt Bischinger, T-Mobile)

23.240 (S2) The 3GPP Generic User Profile (stage 2) Architecture (Harri Koskinen, Nokia)

23.941 (CT4) 3GPP Generic User Profile (GUP) Stage 2 – Data Description Method

~~23.241 (CN4) The 3GPP Generic User Profile (stage 2) Data Description Method. (Yvette Koza, T-Mobile)~~

~~24.241 (CN4) The 3GPP Generic User Profile (stage 3; access) Common Objects. (tbc)~~

~~29.240 (CN4) The 3GPP Generic User Profile (stage 3; network) (Seppo Kauntola, Nokia)~~

12 Work item leadership

TSG-SA1

13 Supporting Companies

Siemens, ~~Materna,~~ Ericsson, ~~Motorola,~~ Comverse, SBC Communications, Orange, Nokia, KPN, Lucent, Alcatel

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

Stage 1 - Requirements   S1
Stage 2 – Architecture   S2
Security Aspects   S3

Stage 1 - Requirements   S1

Stage 2 - Data Description Method   CN4

Stage 2 – Architecture   S2

Stage 3 - Common objects   CN4

Stage 3 – Network   CN4

Security Aspects   S3

14b   The WI is a Building Block: parent Feature SP-040515

Building Blocks are:
Stage 1 - Requirements   S1
Stage 2 – Architecture   S2
Security Aspects   S3

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