

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 resp. WG	2ndary resp. 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		IIMS 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)

~~23.241 (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

<u>Stage 1 - Requirements</u>	<u>S1</u>
<u>Stage 2 – Architecture</u>	<u>S2</u>
<u>Security Aspects</u>	<u>S3</u>

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