

**Source:** TSG SA WG2  
**Title:** Proposal for the update of GUP work item description  
**Agenda Item:** 7.2.3

**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 in the specification of the details of the Generic User Profile 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 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 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**

<b>Affects :</b>	<b>USIM</b>	<b>ME</b>	<b>AN</b>	<b>CN</b>	<b>Others</b>
<b>Yes</b>	X	X		X	X
<b>No</b>			X		
<b>Don't know</b>					

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 #16 June 2002	Plenary #17	Add text, decide impact on VHE spec.
23.241	The 3GPP Generic User Profile (stage 2) - Data description framework	T 2		Plenary #15		Common rules on how to specify User Profile Components
23.240	The 3GPP Generic User Profile (stage 2) - Architecture	SA 2		Plenary #1815	Plenary #19	Should include structure, storage/distribution, ownership, etc
24.241	The 3GPP Generic User Profile (stage 3; access) - Common objects	T 2		Plenary #16		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	
23.228		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	
32.140		Subscription Management			SA5	

22.240 (S1) The 3GPP Generic User Profile (stage 1)

Requirements (Paul Amery, Orange)

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 (Rob Lockhart, Motorola)

24.241 (T2) The 3GPP Generic User Profile (stage 3; access)

Common Objects (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**

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

**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