

Source: 3GPP CN WG4
Title: Updated WI for GUP
Document for: Approval

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,
~~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 (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
- 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

| Affects : | USIM | ME | AN | CN | Others |
|--------------|--------------|--------------|----|----|--------|
| Yes | X | X | | X | X |
| No | <u>X</u> | <u>X</u> | 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) - Requirement s | SA 1 | | Plenary #17 | Plenary #19 | |
| 23.241 23.941TR | The 3GPP Generic User Profile (stage 2) - Possible Data description framework | CN 4 | | Plenary # 2362 | Plenary # 2326 | CN4 still need to decide on future of this spec. have decided that the TS 23.241 should be made a Technical Report 23.8941 as GUP is now an instantiation of LAP. |
| 23.240 | The 3GPP Generic User Profile (stage 2) - Architecture | SA 2 | | Plenary #19 | Plenary #20 | Should include structure, storage/dist ribution, ownership, etc |

| 24.241 | The 3GPP Generic User Profile (stage 3; access) - Common objects | CN 4 | | the Plenary #27 | the Plenary #27 | CN4 still need to decide on future of this spec. |
|----------------------------------|---|--|--|----------------------------|----------------------------|---|
| 29.240 | The 3GPP Generic User Profile (stage 3; network) | CN 4 | | the Plenary #27 | the Plenary #27 | |
| Affected existing specifications | | | | | | |
| Spec No. | CR | Subject | | Approved at plenary# | Comments | |
| 22.057 | | MExE Stage 1 | | | SA1 | |
| 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 | |
| 23.057 | | 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-xy | | OSA Stage 3 | | | CN5 | |
| 31.111 | | USIM Application Toolkit | | | T3 | |
| 31.102 | | Characteristics of the USIM Application | | | T3 | |
| 32.802 | | User Equipment Management (UEM) feasibility study | | | SA5 | |
| 32.140 | | Subscription Management | | | SA5 | |

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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.~~9~~241 (CN4) The 3GPP Generic User Profile [Possible](#)(~~stage 2~~) Data Description Method. (Yvette Koza, T-Mobile)

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

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 - 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

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