Technical Specification Group Services and System Aspects
Meeting #15, Cheju Island, Korea, 11-14 March 2002

**TSGS#15(02)0163**

**Source:** **SA1**

**Title:** **Various Updated WIs for Approval**

**Document for:** **Approval**

**Agenda Item:** **7.1.3**

| Document Number | Title | To |
|---|---|---|
| | Update to WI on GUP with revision marks | SP-15 |
| | Update to WI on GUP – clean version | SP-15 |

Information:

The updated WI on GUP contains the change bars from the WI approved at SA #13 in Beijing plus two further changes.

The changes proposed by SA1 are:

- Editorial change in section 3.

- Editorial change in section 7.

- The following changes in the table “Expected Output and Time scale” section 10:
  - The inclusion of the “Spec No.” in the first column.
  - The target for “Presented for information at plenary#” for the stage 1 (22.240 first row).
  - The target for “Approved at plenary#” for the stage 1 (22.240 first row).
  - The “Comments” for the stage 1 (22.240 first row).

- The addition of the TS numbers, titles and rapporteur names in section 11.

The additional changes are:

- The deletion of the text “(Pending agreement within T2)” and “(Pending agreement within S2)” in the “Comments” column in the table “Expected Output and Time scale”.

- The addition of the rapporteur name for 23.240 (S2) “The 3GPP Generic User Profile (stage 2) Architecture” in section 11.

********** Updated WI with change bars**********

# 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

| 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.~~xxx~~240 | The 3GPP Generic User Profile (stage 1) - Requirements | SA 1 | | Plenary #16 June 2002~~Plenary #14~~ | Plenary #17 | Add text, decide impact on VHE spec.~~Separate from VHE TS Including annex with use cases~~ |
| 23.2412~~3.xxx~~ | The 3GPP Generic User Profile (stage 2) - Data description framework | T 2 | | Plenary #15 | | Common rules on how to specify User Profile Components ~~(Pending agreement within T2)~~ |
| 23.2402~~3.xxx~~ | The 3GPP Generic User Profile (stage 2) - Architecture | SA 2 | | Plenary #15 | | Should include structure, storage/distribution, ownership, etc ~~(Pending agreement within SA2)~~ |
| 24.2412~~4.xxx~~ | 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. ~~(Pending agreement within T2)~~ |
| 29.2402~~9.xxx~~ | 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 |

## 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 (Paul Amery, Orange)

23.240 (S2) The 3GPP Generic User Profile (stage 2)
Architecture (~~No rapporteur yet~~ 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)
~~**To be determined**~~

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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

********** Clean Updated WI **********

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