Source: Telefónica Móviles Spain
Title: CR 051 on TS23.234
Document for: Approval
Agenda Item: 7.2.3

1. Introduction

Attached to this document is a CR (S2-042317), which was presented in the last SA2#40. It was discussed at the meeting but the final revision, including the agreed changes during the plenary session, could not be agreed due to the lack of time.

2   Proposal

It is proposed to address the CR (S2-042317) to the SA meeting (SA#24) in order to be approved.

3GPP TSG-SA2 Meeting #40
Sofía Antípolis, France 17ᵗʰ– 21ˢᵗ May 2004

Tdoc ⌘ *S2-042~~2317~~2317~~23~~*

CR-Form-v7

CHANGE REQUEST

| ⌘ | **23.234** CR **051** | ⌘ **rev** | **3**
~~2~~ | ⌘ | Current version: | **6.0.0** | ⌘ |

*For **HELP** on using this form, see bottom of this page or look at the pop-up text over the ⌘ symbols.*

Proposed change affects: UICC apps⌘ ☐   ME ☐   Radio Access Network ☐   Core Network **X**

Title: ⌘	WLAN User Profile revision		
Source: ⌘	Telefónica Móviles España		
Work item code: ⌘	WLAN	***Date:*** ⌘	10/05/2004

Category: ⌘	**F**	***Release:*** ⌘	Rel-6

Use one of the following categories:
   F *(correction)*
   A *(corresponds to a correction in an earlier release)*
   B *(addition of feature),*
   C *(functional modification of feature)*
   D *(editorial modification)*
Detailed explanations of the above categories can
be found in 3GPP TR 21.900.

Use one of the following releases:
   2   *(GSM Phase 2)*
   R96 *(Release 1996)*
   R97 *(Release 1997)*
   R98 *(Release 1998)*
   R99 *(Release 1999)*
   Rel-4 *(Release 4)*
   Rel-5 *(Release 5)*
   Rel-6 *(Release 6)*

Reason for change: ⌘	The purpose of the CR is to add new subscriber data to the WLAN user profile.
Summary of change: ⌘	The CR proposes to complete the WLAN user profile including some relevant data similar to the ones used in GPRS/UMTS. Other parameters **have been** modified in order to add more functionality. The changes proposed are mainly oriented to the scenario 3 described in the TS.
Consequences if not approved: ⌘	The user profile defined in the current TS will not cover all the functionalities currently offered by the operators.

Clauses affected: ⌘	6.5

	Y	**N**		
Other specs affected: ⌘	**X**		Other core specifications	⌘ ~~TS 22.041~~
		X	Test specifications	
		X	O&M Specifications	

Other comments: ⌘	

How to create CRs using this form:

Comprehensive information and tips about how to create CRs can be found at http://www.3gpp.org/specs/CR.htm. Below is a brief summary:

1) Fill out the above form. The symbols above marked ⌘ contain pop-up help information about the field that they are closest to.

2) Obtain the latest version for the release of the specification to which the change is proposed. Use the MS Word "revision marks" feature (also known as "track changes") when making the changes. All 3GPP specifications can be

downloaded from the 3GPP server under ftp://ftp.3gpp.org/specs/ For the latest version, look for the directory name with the latest date e.g. 2001-03 contains the specifications resulting from the March 2001 TSG meetings.

3) With "track changes" disabled, paste the entire CR form (use CTRL-A to select it) into the specification just in front of the clause containing the first piece of changed text. Delete those parts of the specification which are not relevant to the change request.

6.5   WLAN user profile

The WLAN user profile shall reside in HSS (if the operator is using a legacy HLR, the WLAN user profile may reside in the 3GPP AAA Server) and be retrieved from AAA via Wx reference point. The profile shall contain the following data items: Detailed work on these parameters is expected in stage 3 work.

1. IMSI

   User identification.

2. MSISDN *(~~optional~~mandatory)*

   User identification, for example used for charging purposes

3. Operator determined barring of 3GPP-WLAN interworking subscription

4. Operator determined barring of 3GPP WLAN tunneling

   This allows operator to disable all W-APNs at one time. If there is a conflict between this item and the~~"access allowed" flag~~ "operator determined barring" of any W-APN, the most restrictive will prevail.

5. Maximum session duration *(optional)*

   Used for re-authentication purposes. If this field is not used, the WLAN AN will apply default time intervals.

6. ~~Charging mode (pre-paid, post-paid, both)~~ ChargingCharacteristics and accounting server identifier(s) ~~for every charging mode~~

   The ChargingCharacteristics will implicitly define the ~~C~~charging mode to be applied and, for every case, the charging node where the accounting information is to be reported.

   ChargingCharacteristics: As defined in TS32.215.~~although the second octect should be reserved for operator use.~~

   Editor's Note: AAA will send the ChargingCharacteristics to the PDG ~~(and to the GGSN via the TTG if Gn' interface is implemented)~~ in the response to the PDG request for WLAN-UE authorization when a tunnel establishment request is received from the WLAN-UE.

7. List of authorized W-APNs *(optional)*

   List of W-APNs for which the user will have services available. These W-APNs may correspond to services in the home network or in the visited network. ~~Each W APN shall have a flag indicating whether access is allowed in visited PLMNs or in the home PLMN.~~

   For each W-APN it shall be possible to define:

   - *ChargingCharacteristics and Accounting Server Identifier (optional)*

     If these parameters are not present, the ChargingCharacteristics and accounting server identifier defined in item 6 must be considered.

   - *Type of subscribed remote IP address (IPv4/IPv6) (optional)*

   - *Subscribed remote IP address (optional)*

   - *Operator determined barring for W-APN (optional)*

     o   *It shall be possible to bar subscribers from using the W-APN associated services.*

     o   *It shall be possible to bar a subscriber from using the W-APN associated services from access points that are within the HPLMN whilst the subscriber is WLAN connected via a VPLMN.*

     o   *It shall be possible to bar a subscriber from using the W-APN associated services from access points that are within the roamed to VPLMN.*

The term 'access point' is used to indicate the Network Element (e.g. PDG) or part of the Network Element (e.g. ~~PDG~~TTG) that is specified by a particular APN.

8. Local access allowed

   Indicates if the user is allowed to have direct access to external IP networks, e.g. Internet, from the WLAN Access Network.
   If this parameter should be further split down to specific services that are allowed or not from the WLAN AN is FFS.

9. Roaming allowed

   Indicates if the user is allowed to use 3GPP-WLAN Interworking in an WLAN AN that have no direct connection to the home PLMN.