CR-Form-v7

CHANGE REQUEST

| ⌘ | **33.234** CR **CRNum** | ⌘rev | **-** | ⌘ | Current version: | **0.4.0** | ⌘ |

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 **X** Radio Access Network ☐ Core Network **X**

Title: ⌘	Clarification of WLAN UE terminology	
Source: ⌘	T-Mobile	
Work item code: ⌘	WLAN	*Date:* ⌘ 28/04/2003
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: ⌘	Parts of current TS pre-date introduction of the functional split section and need to be updated.
Summary of change: ⌘	- Define WLAN-UE - Clean up sections with unclear reference to parts of split WLAN-UE - Consolidate functional split issues in the relevant section
Consequences if *not approved:* ⌘	

Clauses affected: ⌘	3.1, 4.1.2, 6.1.1, 6.1.2

	Y	N		
Other specs affected: ⌘		X	Other core specifications ⌘	
		X	Test specifications	
		X	O&M Specifications	

Other comments: ⌘	

3.1 Definitions

For the purposes of the present document, the following terms and definitions apply:

Data origin authentication: The corroboration that the source of data received is as claimed.

Entity authentication: The provision of assurance of the claimed identity of an entity.

Key freshness: A key is fresh if it can be guaranteed to be new, as opposed to an old key being reused through actions of either an adversary or authorised party.

WLAN coverage: an area where wireless local area network access services are provided for interworking by an entity in accordance with WLAN standards.

WLAN-UE: user equipment to access a WLAN interworking with the 3GPP system, including all required security functions.

NEXT CHANGE

4.1.2 Network elements

The list below describes the access control related functionality in the network elements of the 3GPP-WLAN interworking reference model:

- The **WLAN-UE,** equipped with a UICC (or SIM card), for accessing the WLAN interworking service).

    - May be capable of WLAN access only

    - May be capable of both WLAN and 3GPP System access.

    - May be capable of simultaneous access to both WLAN and 3GPP systems

    [Editors note: definition of simultaneous access still TBA with SA1- LS in S3 030169]

    - May be a laptop computer or PDA with a WLAN card, UICC (or SIM card) card reader, and suitable software applications,

    - The UICC (or SIM card) may reside in the UE and accessed by the WLAN UE May be functionally split over several physical devices that communicate over local interfaces, e.g. Bluetooth, IR or serial cable interface.

NEXT CHANGE

6.1.1 USIM-based Authentication

USIM based authentication is a proven solution that satisfies the authentication requirements from section 4.2. However, requiring USIM based authentication does not automatically mean that the USIM needs to be included in the WLAN card, for example the WLAN device can be linked with a WLAN UE supporting a USIM via, for example Bluetooth, Irda, USB or serial cable.

[Editor's note: also see section 4.2.4 on WLAN UE split]

NEXT CHANGE

6.1.2 GSM SIM based authentication

SIM based authentication is useful for GSM subscribers that do not have a UICC with a USIM application.

~~The SIM does not necessarily have to be included in the WLAN card. For example the WLAN device can be linked with a UE supporting a SIM via, Bluetooth, Irda, USB or serial cable.~~

[Editor's note: also see section 4.2.~~3~~4 on WLAN UE split]