

CR-Form-v7
<b>CHANGE REQUEST</b>
# <b>33.234</b> CR <b>CRNum</b> # rev <b>-</b> # Current version: <b>0.2.0</b> #

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

<b>Title:</b>	# Change to the User Equipment definition
<b>Source:</b>	# Gemplus
<b>Work item code:</b>	# WLAN Interworking Security
<b>Date:</b>	# 13/11/10/2002
<b>Category:</b>	# <b>F</b>
Use <u>one</u> of the following categories: <b>F</b> (correction) <b>A</b> (corresponds to a correction in an earlier release) <b>B</b> (addition of feature), <b>C</b> (functional modification of feature) <b>D</b> (editorial modification) Detailed explanations of the above categories can be found in 3GPP <a href="#">TR 21.900</a> .	
<b>Release:</b>	# Rel-6
Use <u>one</u> 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)	

<b>Reason for change:</b>	# To fulfill the security requirements of 3G-WLAN interworking, the use of smart card is mandatory. The proposed UE definition fits into TR 21.905 definition. Moreover, it brings TS 33.234 in line with TS 23.234 (UE definition was changed).
<b>Summary of change:</b>	# New definition of the User Equipment: the UE is equipped with (U)ICC card.
<b>Consequences if not approved:</b>	# The 3G-WLAN interworking security requirement will not be fulfilled, and TS 33.234 will be inconsistent with TS 23.234

<b>Clauses affected:</b>	# 4.1.2				
<b>Other specs affected:</b>	<table border="1" style="display: inline-table; border-collapse: collapse;"> <tr> <td style="text-align: center;">Y</td> <td style="text-align: center;">N</td> </tr> <tr> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input checked="" type="checkbox"/></td> </tr> </table> Other core specifications #	Y	N	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Y	N				
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<input type="checkbox"/>	<input checked="" type="checkbox"/>				
	<table border="1" style="display: inline-table; border-collapse: collapse;"> <tr> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input checked="" type="checkbox"/></td> </tr> </table> O&M Specifications #	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
<input type="checkbox"/>	<input checked="" type="checkbox"/>				
<b>Other comments:</b>	#				

**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.

## 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 **UE** (**potentially**-equipped with (U)ICC card) utilised by a 3GPP subscriber to access the WLAN interworking service. The UE may be capable of WLAN access only, or it may be capable of both WLAN and 3GPP System access. Some UE may be capable of simultaneous access to both WLAN and 3GPP systems. The UE may include terminal types whose configuration (e.g. interface to a UICC), operation and software environment are not under the exclusive control of the 3GPP system operator. For instance, the UE may be a laptop computer or PDA with a WLAN card, UICC card reader and suitable software applications, or the UICC may reside in the 3GPP ME and be accessed through Bluetooth, IR or serial cable interface. All these alternatives must be carefully studied from a security perspective.
- the **AAA proxy** represents a logical proxying functionality that may reside in any network between the WLAN and the 3GPP AAA Server. These AAA proxies are able to relay the AAA information between WLAN and the 3GPP AAA Server.  
The number of intermediate AAA proxies is not restricted by 3GPP specifications. The AAA proxy functionality can reside in a separate physical network node, it may reside in the 3GPP AAA server or any other physical network node.
- the **3GPP AAA server** is located within the 3GPP network. The 3GPP AAA server :
  - retrieves authentication information and subscriber profile (including subscriber's authorisation information) from the HLR/HSS of the 3GPP subscriber's home 3GPP network;
  - authenticates the 3GPP subscriber based on the authentication information retrieved from HLR/HSS. The authentication signalling may pass through AAA proxies.
  - communicates authorisation information to the WLAN potentially via AAA proxies.
  - registers its (the 3GPP AAA server) address or name with the HLR/HSS for each authenticated and authorised 3GPP subscriber.
  - may act also as a AAA proxy (see above).