

Source: TSG CN WG4
Title: Form for exception on WLAN
Agenda item: 9.17
Document for: APPROVAL

Release 6 Submission form

Feature / Item:		Wireless LAN Interworking WLAN Stage 3					
Affects:	UE/MS: No	CN: Yes	UTRAN: No	GERAN: No	Compatibility Issues:	Yes:	No: None new feature
Expected Completion Date:		June – Sept 2005					
Services impacted:		WLAN Access					
Specifications affected:		29.234					
Tasks within work which are not complete:			WLAN Presence Information to the PNA via Pr, Pp and Wx (Px' HSS WLAN Data to PNA) Authorization information update procedure in Wa,Wm reference points				
Consequences if not included in Release 6:			Presence Information that is related to WLAN access will not be provided. Authorization information update procedure that is related to Wa, Wm reference points will not be provided.				
Accepted by TSG# 27 for late inclusion in Release 6:							

Abstract of document:

The WLAN stage 3 document specifies system description for interworking between 3GPP systems and WLAN Local Area Networks (WLANs). The intent of 3GPP–WLAN Interworking is to extend 3GPP services and functionality to the WLAN access environment. The 3GPP–WLAN Interworking System provides bearer services allowing a 3GPP subscriber to use a WLAN to access 3GPP PS based services.

This specification defines a 3GPP system architecture and procedures to do the following:

- Provide Access, Authentication and Authorisation (AAA) services to the 3GPP-WLAN Interworking System based on subscription.
- Provide access to the locally connected IP network (e.g. the Internet) if allowed by subscription.
- Provide WLAN UEs with IP bearer capability to the operator’s network and PS Services, if allowed by subscription.

Contentious Issues:

SA2 have only recently introduced the Pr (AAA server to PNA) and Pp (PDG to PNA) presence interfaces in their Presence Stage 2. As a consequence, to date, the Pr and Pp (and possibly other interfaces) have not been addressed in CN at all. CN4 should therefore either include or exclude this work in Rel 6 and inform SA2 so they can align their architecture accordingly. CN4 also notes that specification of Pp may not be straightforward. Current understanding is that Pp is supposed to be based on the Wi reference point i.e. TS 29.061, see the Presence Stage 2 TS23.141. However, offline discussions indicate that this understanding may need to be re-examined i.e. whether this is better done as a Diameter interface and so best done in CN4, or an adapted Radius interface done by CN3 in TS29.061. A similar issue also exists for the Pr interface - since this interface provides for retrieval of events i.e. tunnel establishment/removal, allocation of the remote IP address for the WLAN UE, this may be done better by a Diameter like Wx interface (Px').

Authorization information update procedure in Wa,Wm reference points are not currently being addressed in CN. CN4 should either include or exclude this work in Rel 6. SA2 has introduced this function in Stage 2 TS 23.234.