Source:	**SA1**
Title:	**CRs to 22.041 on ODB and WLAN (Rel-6)**
Document for:	**Approval**
Agenda Item:	**7.1.3**

Meeting	SA Doc	TS No.	CR No	Rev	Rel	Cat	Subject	Vers. Current	Vers New	SA1 Doc
SP-21	SP-030464	22.041	010	-	Rel-6	C	WLAN access point terminology clarified	6.0.0	6.1.0	S1-030915
SP-21	SP-030464	22.041	011	-	Rel-6	B	ODB in VPLMN for WLAN user	6.0.0	6.1.0	S1-030901

CR-Form-v7

CHANGE REQUEST

⌘ **22.041** CR **010** ⌘**rev** **-** ⌘ 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 access point terminology clarified	
Source: ⌘	WLAN SWG	
Work item code:⌘	ODB	***Date:*** ⌘ 07/07/2003
Category: ⌘	**C**	***Release:*** ⌘ Rel-6

Use <u>one</u> 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 <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)*

Reason for change: ⌘	ODB provides a level of protection for network operators against fraudulent users and also the capability to selectively bar subscribers from services. Clause 5.3 has an explanation of the term "access point" for clarification which is incorrect. The "GGSN or part of the GGSN that is specified by a particular APN" is incorrect as the Stage 2 (TS23.934) defines the Packet Data Gateway as hosting the access point. The PDG provides the Wi interface which has the same characteristics as the Gi. To provide for the PDG to fulfill its function and to permit ODB the GGSN specific text must be updated.
Summary of change:⌘	Replace GGSN with Network Element (e.g. PDG or GGSN)
Consequences if not approved: ⌘	ODB will not apply to those subscribers who are I-WLAN connected and utilising an APN on the PDG

Clauses affected: ⌘	Clause 5

	Y	N		
Other specs affected: ⌘		X	Other core specifications ⌘	
		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.

5.2 Packet Oriented Services

Packet Oriented Services, particularly data services, are different in nature to Circuit Oriented Services, and therefore have different requirements for Operator Determined Barring.

As described in the following categories, the Service Provider may at any time activate this feature and this shall terminate any relevant services in progress, and bar future requests for service covered by the barring category:

- It shall be possible to bar subscribers completely from the Packet Oriented Services.

- It shall be possible to bar a subscriber from requesting Packet Oriented Services from access points that are within the HPLMN whilst the subscriber is roaming in a VPLMN.

- It shall be possible to bar a subscriber from requesting Packet Oriented Services from access points that are within the roamed to VPLMN.

The term 'access point' is used to indicate the GGSN or part of the GGSN that is specified by a particular APN.

5.3 Interworking WLAN

Access to services via an Interworking WLAN is different in nature to Circuit and other 3GPP packet oriented services, and therefore has different requirements for Operator Determined Barring.

As described in the following categories, the Service Provider may at any time activate this feature and this shall terminate any relevant services in progress, and bar future requests for service covered by the barring category:

- It shall be possible to bar subscribers attached via an Interworking WLANcompletely from the interworked service capabilities.

- It shall be possible to bar a subscriber from requesting interworking through access points that are within the HPLMN whilst the subscriber is WLAN connected via a VPLMN

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

CR-Form-v7

CHANGE REQUEST

⌘ **22.041 CR 011** ⌘**rev** **-** ⌘ 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: ⌘	ODB in VPLMN for WLAN user		
Source: ⌘	Lucent Technologies		
Work item code:⌘	ODB	**Date:** ⌘	07/07/2003
Category: ⌘	**B**	**Release:** ⌘	Rel-6

Use one of the following categories:	*Use one of the following releases:*	
F (correction)	*2*	*(GSM Phase 2)*
A (corresponds to a correction in an earlier release)	*R96*	*(Release 1996)*
B (addition of feature),	*R97*	*(Release 1997)*
C (functional modification of feature)	*R98*	*(Release 1998)*
D (editorial modification)	*R99*	*(Release 1999)*
Detailed explanations of the above categories can	*Rel-4*	*(Release 4)*
be found in 3GPP TR 21.900.	*Rel-5*	*(Release 5)*
	Rel-6	*(Release 6)*

Reason for change: ⌘	ODB provides a level of protection for network operators against fraudulent users and also the capability to selectively bar subscribers from services. With WLAN interworking being used to access services the same level of control should be made available to the operators for handling subscribers connecting over WLAN. This CR builds on the existing requirements by including the capability to bar subscribers from access to packet oriented services in the VPLMN when connected by I-WLAN and also to bar subscribers from use of access points within the I-WLAN (i.e. WLAN directly internet access)
Summary of change:⌘	Inclusion of the capability to bar subscriber access to points within VPLMN and I-WLAN
Consequences if not approved: ⌘	Potential fraudulent use of services accessed over WLAN

Clauses affected: ⌘	Clause 5

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

Other comments: ⌘	

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- It shall be possible to bar a subscriber from requesting Packet Oriented Services from access points that are within the roamed to VPLMN.

The term 'access point' is used to indicate the GGSN or part of the GGSN that is specified by a particular APN.

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- It shall be possible to bar subscribers attached via an Interworking WLANcompletely from the interworked service capabilities.

- It shall be possible to bar a subscriber from requesting interworking through access points that are within the HPLMN whilst the subscriber is WLAN connected via a VPLMN

- It shall be possible to bar a subscriber from requesting Packet Oriented Services from access points that are within the roamed to VPLMN.

- It shall be possible to bar a subscriber from requesting ~~Packet Oriented Services~~direct Internet access from access points that are within the I-WLAN ~~(Note: This is in reference to the direct internet access from the I-WLAN). If the user is barred from access points within the I-WLAN and the user is only subscribed to scenario 2 (TR22.934) then this is equivalent to bullet 1 above~~

~~NOTE: This is in reference to the direct internet access from the I-WLAN.~~

The term 'access point' is used to indicate the GGSN or part of the GGSN that is specified by a particular APN.