

Source: SA1

Title: CRs to 22.041 to remove ODB for Packet Oriented Services from Release 99

Document for: Approval

Agenda Item: 7.1.3

Spec	CR	Rev	Phase	Subject	Cat	Version-Current	Version-New
22.041	005		R99	Remove ODB for Packet Oriented Services from Release 99	F	3.2.0	3.3.0
22.041	006		Rel-4	Corrections of the ODB categories for Packet Oriented Services	F	4.0.0	4.1.0

CHANGE REQUEST

⌘ **22.041** **CR** **005** ⌘ rev ⌘ Current version: **3.2.0** ⌘

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

Proposed change affects: ⌘ (U)SIM ME/UE Radio Access Network Core Network

Title:	⌘ Remove ODB for Packet Oriented Services from Release 99		
Source:	⌘ SA1		
Work item code:	⌘ ODB enhancements	Date:	⌘ 06/02/2001
Category:	⌘ F	Release:	⌘ R99
<i>Use <u>one</u> of the following categories:</i>		<i>Use <u>one</u> of the following releases:</i>	
F (essential 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 be found in 3GPP TR 21.900.		REL-4 (Release 4)	
		REL-5 (Release 5)	

Reason for change:	⌘ It had been agreed in the SA plenary #10 that the ODB feature for Packet Oriented Services would be standardised in Release 4. Therefore, All descriptions related to the Packet Oriented Services have to be removed from the TS 22.041 for Release 99.
Summary of change:	⌘ This CR removes all descriptions related to the Packet Oriented Services.
Consequences if not approved:	⌘ Unless this CR is approved, The misalignments between ODB stage1 and stage 2 & 3 appear since there is no ODB for Packet Oriented Services designed in Stage 2 & 3 in Release 99.

Clauses affected:	⌘ 1
Other specs affected:	⌘ <input type="checkbox"/> Other core specifications ⌘ <input type="checkbox"/>
	<input type="checkbox"/> Test specifications
	<input type="checkbox"/> 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/3G_Specs/CRs.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://www.3gpp.org/specs/> For the latest version, look for the directory name with the latest date e.g. 2000-09 contains the specifications resulting from the September 2000 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.

1 Scope

The present document describes the network feature Operator Determined Barring (ODB).

This allows the network operator or service provider to regulate, by means of an exceptional procedure, access by the subscribers to Circuit services ~~(both Circuit and Packet Oriented)~~, by the barring of certain categories of outgoing or incoming calls/~~Packet Oriented Services~~ or of roaming. ODB shall take effect immediately and shall terminate ongoing calls and bar future calls/~~Packet Oriented Services~~.

The purpose of this network feature is to be able to limit the service provider's financial exposure to new subscribers, or to those who have not promptly paid their bills. It may only be applied to the service provider's own subscribers.

CHANGE REQUEST

⌘ **22.041** **CR** **006** ⌘ rev ⌘ Current version: **4.0.0** ⌘

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

Proposed change affects: ⌘ (U)SIM ME/UE Radio Access Network Core Network

Title:	⌘ Corrections of the ODB categories for Packet Oriented Services		
Source:	⌘ SA1		
Work item code:	⌘ ODB enhancements	Date:	⌘ 06/02/2001
Category:	⌘ F	Release:	⌘ REL-4

Use one of the following categories:

F (essential 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)

Reason for change: ⌘ The current ODB barring categories for Packet Oriented Services has conflicts with the description in GPRS stage 2.

The following sentences are extracts from the GPRS stage 2 (23.060) normative Annex (APN and GGSN Selection):

When the MS is in its HPLMN, if the MS requests an APN that does not correspond to any GGSN of its HPLMN, the request shall be rejected by SGSN. When the MS is in a VPLMN, if the MS requests an APN that does not correspond to any GGSN of its HPLMN nor of this VPLMN, the request shall be rejected by SGSN.

On the other hands, The following sentences are extracts from the the ODB stage 1 specification (22.041)

- *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 outside the HPLMN whilst the subscriber is in the HPLMN.*
- *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.*
- *Whilst roaming in a VPLMN, it shall be possible to bar a subscriber from requesting Packet Oriented Services from access points that are neither in the HPLMN nor the roamed to VPLMN.*

It is obvious that the 2nd bullet and the last bullet of the 24.041 conflicts with the GPPS stage 2 so that these bullets should be eliminated.

Summary of change:	⌘ This CR redefines the Section 5.2 Packet Oriented Services.												
Consequences if not approved:	⌘ Unless this CR is approved, The misalignments between ODB stage1 and GPRS stage 2 remained.												
Clauses affected:	⌘ 5.2												
Other specs affected:	<table border="0"> <tr> <td>⌘ <input type="checkbox"/></td> <td>Other core specifications</td> <td>⌘</td> <td></td> </tr> <tr> <td><input type="checkbox"/></td> <td>Test specifications</td> <td></td> <td></td> </tr> <tr> <td><input type="checkbox"/></td> <td>O&M Specifications</td> <td></td> <td></td> </tr> </table>	⌘ <input type="checkbox"/>	Other core specifications	⌘		<input type="checkbox"/>	Test specifications			<input type="checkbox"/>	O&M Specifications		
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Other comments:	⌘												

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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 outside the HPLMN whilst the subscriber is in the HPLMN.~~
- 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.
- ~~Whilst roaming in a VPLMN, it shall be possible to bar a subscriber from requesting Packet Oriented Services from access points that are neither in the HPLMN nor 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.