3GPP TSG CN Plenary Meeting #15 6th – 8th March 2002. Cheju, Korea.

Source: TSG CN WG4

Title: CRs on R96 TEI

Agenda item: 7.22

Document for: APPROVAL

Introduction:

This document contains 6 CRs on R96 Work Item "TEI", that have been agreed by TSG CN WG4, and are forwarded to TSG CN Plenary meeting #15 for approval.

Spec	CR	Re	Doc-2nd-Level	Phase	Subject	Cat	Ver_C
09.02	A325		N4-020222	R96	ODB alignment	F	5.16.0
09.02	A326		N4-020223	R97	ODB alignment	Α	6.11.0
09.02	A327		N4-020224	R98	ODB alignment	Α	7.10.0
29.002	405		N4-020225	R99	ODB alignment	Α	3.11.0
29.002	406	1	N4-020249	Rel-4	ODB alignment	F	4.6.0
29.002	407	1	N4-020250	Rel-5	ODB alignment	Α	5.0.0

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[♯] <mark>09.02</mark>		CR A325	≋ rev	_ #	Current vers	ion: 5.16.0	ж
	ec Title:	Mobile Applica				0.10.0	ж
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Proposed change a	affects:	(U)SIM	ME/UE	Radio Ac	cess Network	Core Net	work X
Title: 第	ODB alig	nment					
Source: #	CN4						
Work item code: ₩	TEI				Date: ₩	30.01.02	
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Clauses affected:	₩ 5.6.3	R Q					
Other specs affected:	# O	ther core specifest specification &M Specification	S	€			
Other comments:	\mathfrak{H}						

How to create CRs using this form:

- 1) Fill out the above form. The symbols above marked # contain pop-up help information about the field that they are closest to.
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- 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.

```
ODB-GeneralData ::= BIT STRING {
    allOG-CallsBarred
    internationalOGCallsBarred
                                (1),
    internationalOGCallsNotToHPLMN-CountryBarred (2),
    interzonalOGCallsBarred (6)
    interzonalOGCallsNotToHPLMN-CountryBarred (7),
    interzonalOGCallsAndInternationalOGCallsNotToHPLMN-CountryBarred (8),
    premiumRateInformationOGCallsBarred (3),
    premiumRateEntertainementOGCallsBarred
    ss-AccessBarred
    allECT-Barred (9),
    chargeableECT-Barred (10)
    internationalECT-Barred (11),
    interzonalECT-Barred (12)
    doublyChargeableECT-Barred (13),
    multipleECT-Barred (14)} (SIZE (15..32))
    -- exception handling: reception of unknown bit assignments in the
    -- ODB-GeneralData type shall be treated like unsupported ODB-GeneralData
```

5.6.3.9 Operator Determined Barring General Data

This parameter refers to the set of subscribers features that the network operator or the service provider can regulate. This set only includes those limitations that can be controlled in the VLR:

- All outgoing calls barred;
- International outgoing calls barred;
- International outgoing calls except those to the home PLMN country barred;
- Interzonal outgoing calls barred;
- Interzonal outgoing calls except those to the home PLMN country barred;
- Interzonal outgoing calls AND intenational outgoing calls except those directed to the home PLMN country barred;
- Premium rate (information) outgoing calls barred;
- Premium rate (entertainment) outgoing calls barred;
- Supplementary service access barred;
- Invocation of call transfer barred;
- Invocation of chargeable call transfer barred;
- Invocation of internationally chargeable call transfer barred;
- Invocation of interzonally chargeable call transfer barred;
- Invocation of call transfer where both legs are chargeable barred:
- Invocation of call transfer if there is already an ongoing transferred call for the served subscriber in the serving MSC/VLR barred.

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Proposed change a	nffects: ♯	(U)SIM	ME/UE	Radio	Acces	ss Network	C C	ore Net	work X
Title:	ODB alig	nment							
Source: #	CN4								
Work item code: ₩	TEI4					Date: ♯	31.01.	02	
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Clauses affected:	ж <mark>7.6.3</mark>	3.9							
Other specs affected:	Te	ther core speci est specification &M Specification	ns						
Other comments:	ж								

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```
ODB-GeneralData ::= BIT STRING {
    allOG-CallsBarred
    internationalOGCallsBarred
                                 (1),
    internationalOGCallsNotToHPLMN-CountryBarred (2),
    interzonalOGCallsBarred (6)
    interzonalOGCallsNotToHPLMN-CountryBarred (7),
    interzonalOGCallsAndInternationalOGCallsNotToHPLMN-CountryBarred (8),
    premiumRateInformationOGCallsBarred (3),
    premiumRateEntertainementOGCallsBarred
    ss-AccessBarred (5),
    allECT-Barred (9),
    chargeableECT-Barred (10)
    internationalECT-Barred (11),
    interzonalECT-Barred (12)
    doublyChargeableECT-Barred (13),
    multipleECT-Barred (14),
    allPacketOrientedServicesBarred (15),
    roamerAccessToHPLMN-AP-Barred (16),
    {\tt roamerAccessToVPLMN-AP-Barred} \quad {\tt (17)} \; \; {\tt (SIZE \; (15..32))}
    -- exception handling: reception of unknown bit assignments in the
    -- ODB-GeneralData type shall be treated like unsupported ODB-GeneralData
    -- When the ODB-GeneralData type is removed from the HLR for a given subscriber,
    -- in NoteSubscriberDataModified operation sent toward the gsmSCF
    -- all bits shall be set to "0"
```

7.6.3.9 Operator Determined Barring General Data

This parameter refers to the set of subscriber features that the network operator or the service provider can regulate. This set only includes those limitations that can be controlled

a) in the VLR,

b) in the SGSN,

c) in the SGSN applied for short message transfer only in the VLR or in the SGSN:

- _ All outgoing calls barred; (*)
- International outgoing calls barred; (*)
- International outgoing calls except those to the home PLMN country barred; (*)
- Interzonal outgoing calls barred; (*)
- Interzonal outgoing calls except those to the home PLMN country barred; (*)
- Interzonal outgoing calls AND international outgoing calls except those directed to the home PLMN country barred; (*)
- Premium rate (information) outgoing calls barred;
- Premium rate (entertainment) outgoing calls barred;
- Supplementary service access barred;
- Invocation of call transfer barred;
- Invocation of chargeable call transfer barred;
- Invocation of internationally chargeable call transfer barred;
- Invocation of interzonally chargeable call transfer barred;
- Invocation of call transfer where both legs are chargeable barred.

(*) Only these ODBs are supported by the SGSN. The SGSN applies them only for short message transfer.

ODB category	Controlled in the VLR	Controlled in the SGSN	Controlled in the SGSN applied for short message transfer only
All outgoing calls barred	<u>X</u>		X
International outgoing calls barred	X		X
International outgoing calls except those to the home PLMN country barred	X		X
Interzonal outgoing calls barred	X		X
Interzonal outgoing calls except those to the home PLMN country barred	X		X
Interzonal outgoing calls AND international outgoing calls except those directed to the home PLMN country barred	X		<u>X</u>
Premium rate (information) outgoing calls barred	X		
Premium rate (entertainment) outgoing calls barred	X		
Supplementary service access barred	X		
Invocation of call transfer barred	X		
Invocation of chargeable call transfer barred	X		
Invocation of internationally chargeable call transfer barred	X		
Invocation of interzonally chargeable call transfer barred	X		
Invocation of call transfer where both legs are chargeable barred	X		
Invocation of call transfer if there is already an ongoing transferred call for the served subscriber in the serving MSC/VLR barred	X		
All packet Oriented Services barred		X	

Roamer Access to HPLMN- AP barred	X	
Roamer Access to VPLMN- AP barred	X	

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For <u>HELP</u> on us	ing this for	m, see bottor	m of this pag	ge or look	at the	pop-up text	over the	₩ sym	bols.
Proposed change as	ffects: #	(U)SIM	ME/UE	Rac	lio Acc	ess Network	C	ore Net	work X
Title: ₩	ODB align	nment							
Source: #	CN4								
Work item code: ₩	TEI4					Date: ₩	31.01.0)2	
ı	Use <u>one</u> of F (cond A (cond B (add D (fund D (edited by Detailed exp	the following carection) rection) responds to a dition of feature ctional modificational modifications of the 3GPP TR 21.9	correction in a e), ation of featur ion) ne above cate	re)	elease)	R96 R97 R98 R99 REL-4		ase 2) 1996) 1997) 1998) 1999) 4)	ases:
Reason for change:	ж <mark>Тоа</mark>	lign chapter 7	7.6.3.9 with A	ASN.1					
Summary of change			_						
Consequences if not approved:	ж Miss	alignment of	chapters ma	ay cause o	confusi	on			
Clauses affected:	₩ 7.6.3	1.9							
Other specs affected:	₩ <u> </u>	ther core specest specification	ons	ж					
Other comments:	×								

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```
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    allOG-CallsBarred
    internationalOGCallsBarred
                                 (1),
    internationalOGCallsNotToHPLMN-CountryBarred (2),
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    interzonalOGCallsNotToHPLMN-CountryBarred (7),
    interzonalOGCallsAndInternationalOGCallsNotToHPLMN-CountryBarred (8),
    premiumRateInformationOGCallsBarred (3),
    premiumRateEntertainementOGCallsBarred
    ss-AccessBarred (5),
    allECT-Barred (9),
    chargeableECT-Barred (10)
    internationalECT-Barred (11),
    interzonalECT-Barred (12)
    doublyChargeableECT-Barred (13),
    multipleECT-Barred (14),
    allPacketOrientedServicesBarred (15),
    roamerAccessToHPLMN-AP-Barred (16),
    {\tt roamerAccessToVPLMN-AP-Barred} \quad {\tt (17)} \; \; {\tt (SIZE \; (15..32))}
    -- exception handling: reception of unknown bit assignments in the
    -- ODB-GeneralData type shall be treated like unsupported ODB-GeneralData
    -- When the ODB-GeneralData type is removed from the HLR for a given subscriber,
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- International outgoing calls except those to the home PLMN country barred; (*)
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- Interzonal outgoing calls except those to the home PLMN country barred; (*)
- Interzonal outgoing calls AND international outgoing calls except those directed to the home PLMN country barred; (*)
- Premium rate (information) outgoing calls barred;
- Premium rate (entertainment) outgoing calls barred;
- Supplementary service access barred;
- Invocation of call transfer barred;
- Invocation of chargeable call transfer barred;
- Invocation of internationally chargeable call transfer barred;
- Invocation of interzonally chargeable call transfer barred;
- Invocation of call transfer where both legs are chargeable barred.

(*) Only these ODBs are supported by the SGSN. The SGSN applies them only for short message transfer.

ODB category	Controlled in the VLR	Controlled in the SGSN	Controlled in the SGSN applied for short message transfer only
All outgoing calls barred	<u>X</u>		X
International outgoing calls barred	X		X
International outgoing calls except those to the home PLMN country barred	X		X
Interzonal outgoing calls barred	X		X
Interzonal outgoing calls except those to the home PLMN country barred	X		X
Interzonal outgoing calls AND international outgoing calls except those directed to the home PLMN country barred	X		<u>X</u>
Premium rate (information) outgoing calls barred	X		
Premium rate (entertainment) outgoing calls barred	X		
Supplementary service access barred	X		
Invocation of call transfer barred	X		
Invocation of chargeable call transfer barred	X		
Invocation of internationally chargeable call transfer barred	X		
Invocation of interzonally chargeable call transfer barred	X		
Invocation of call transfer where both legs are chargeable barred	X		
Invocation of call transfer if there is already an ongoing transferred call for the served subscriber in the serving MSC/VLR barred	X		
All packet Oriented Services barred		X	

Roamer Access to HPLMN- AP barred	X	
Roamer Access to VPLMN- AP barred	X	

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Proposed change a	ffects: #	(U)SIM	ME/UE	Radio Ad	ccess Network	k Core Ne	etwork X
Title: ₩	ODB aligi	nment					
Source: #	CN4						
Work item code: ₩	TEI				Date: ♯	30.01.02	
	F (con A (con B (add C (fun D (edi Detailed ex	the following cate rection) responds to a cor- lition of feature), ctional modification torial modification blanations of the a 3GPP TR 21.900	rection in an ea on of feature)) above categorie		2	R99 the following relacions (GSM Phase 2) (Release 1996) (Release 1997) (Release 1998) (Release 1999) (Release 4) (Release 5)	eases:
Reason for change:	ж <mark>Тоа</mark>	lign chapter 7.6.	.3.9 with ASN	.1			
Summary of change Consequences if	e: # Add		ategories		sion		
not approved:	66 IVII33	angriment of one	apters may ca	iuse comu	31011		
Clauses affected:	ж <mark> 7.6.3</mark>	3.9					
Other specs affected:	Te	ther core specifi est specifications &M Specification	S	ß			
Other comments:	H						

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```
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    internationalOGCallsBarred
                                 (1),
    internationalOGCallsNotToHPLMN-CountryBarred (2),
    interzonalOGCallsBarred (6)
    interzonalOGCallsNotToHPLMN-CountryBarred (7),
    interzonal OGC alls {\tt And International OGC alls Not To {\tt HPLMN-Country Barred}} \ \ (8) \ ,
    premiumRateInformationOGCallsBarred (3),
    premiumRateEntertainementOGCallsBarred
    ss-AccessBarred
    allECT-Barred (9),
    chargeableECT-Barred (10)
    internationalECT-Barred (11),
    interzonalECT-Barred (12)
    doublyChargeableECT-Barred (13),
    multipleECT-Barred (14)} (SIZE (15..32))
     -- exception handling: reception of unknown bit assignments in the
    -- ODB-GeneralData type shall be treated like unsupported ODB-GeneralData
    -- When the ODB-GeneralData type is removed from the HLR for a given subscriber,
    -- in NoteSubscriberDataModified operation sent toward the gsmSCF
    -- all bits shall be set to "0"
```

7.6.3.9 Operator Determined Barring General Data

This parameter refers to the set of subscriber features that the network operator or the service provider can regulate. This set only includes those limitations that can be controlled in the VLR or in the SGSN:

- All outgoing calls barred; (*)
- International outgoing calls barred; (*)
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- Invocation of call transfer barred;
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- Invocation of internationally chargeable call transfer barred;
- Invocation of interzonally chargeable call transfer barred;
- Invocation of call transfer where both legs are chargeable barred:
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- (*) Only these ODBs are supported by the SGSN. The SGSN applies them only for short message transfer.

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[≇] <mark>09.02</mark>		CR A327	≋ rev	- *	Current vers	ion: 7.10.0	ж
For HELP on us	ing this for	m, see bottom o	of this page or	look at the	e pop-up text	over the ₩ sym	nbols.
Proposed change a	ffects: #	(U)SIM	ME/UE	Radio Ac	cess Network	Core Net	twork X
Title: ₩	ODB aligi	nment					
Source: #	CN4						
Work item code: ₩	TEI				Date: ₩	30.01.02	
	F (con A (cor B (add C (fun D (edi Detailed ex	the following cate rection) responds to a cordition of feature), ctional modification modification anations of the a 3GPP TR 21.900	rrection in an ea on of feature)) above categorie		2 R96 R97 R98 R99 REL-4	R98 the following rele (GSM Phase 2) (Release 1996) (Release 1997) (Release 1998) (Release 1999) (Release 4) (Release 5)	ases:
Reason for change:	; Ж <mark>Тоа</mark>	lign chapter 7.6	.3.9 with ASN.	1			
Summary of change	e: % Add	missing ODB ca	ategories				
Consequences if not approved:	# Miss	alignment of cha	apters may ca	use confus	sion		
Clauses affected:	ж <mark>7.6.3</mark>	8 9					
Other specs affected:	ж <u>О</u> Те	ther core specifiest specification	S	3			
Other comments:							

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```
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    internationalOGCallsBarred
                                (1),
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    interzonalOGCallsBarred (6)
    interzonalOGCallsNotToHPLMN-CountryBarred (7),
    interzonalOGCallsAndInternationalOGCallsNotToHPLMN-CountryBarred (8),
    premiumRateInformationOGCallsBarred (3),
    premiumRateEntertainementOGCallsBarred
    ss-AccessBarred
    allECT-Barred (9),
    chargeableECT-Barred (10)
    internationalECT-Barred (11),
    interzonalECT-Barred (12)
    doublyChargeableECT-Barred (13),
    multipleECT-Barred (14)} (SIZE (15..32))
    -- exception handling: reception of unknown bit assignments in the
    -- ODB-GeneralData type shall be treated like unsupported ODB-GeneralData
```

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- Interzonal outgoing calls barred; (*)
- Interzonal outgoing calls except those to the home PLMN country barred; (*)
- Interzonal outgoing calls AND intenational outgoing calls except those directed to the home PLMN country barred; (*)
- Premium rate (information) outgoing calls barred;
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- Invocation of internationally chargeable call transfer barred;
- Invocation of interzonally chargeable call transfer barred;
- Invocation of call transfer where both legs are chargeable barred:
- Invocation of call transfer if there is already an ongoing transferred call for the served subscriber in the serving MSC/VLR barred;
- (*) Only these ODBs are supported by the SGSN. The SGSN applies them only for short message transfer.

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[≆] <mark>09.02</mark>		CR A326	are €	v - *	Current ver	rsion: 6.11.0	×
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For <u>HELP</u> on us	sing this for	rm, see bottom	of this page	or look at	the pop-up tex	t over the ₩ syr	nbols.
Proposed change a	affects: #	(U)SIM	ME/UE	Radio	Access Netwo	rk Core Ne	etwork X
Title: ₩	ODB aligi	nment					
Source: #	CN4						
14/2 11/2 14 2 2 2 2 2 2 2 2 2	TEI				Da4a. 9	20.04.02	
Work item code: ₩	TEI				Date: ३	30.01.02	
Category:	Use one of F (con A (cor B (add C (fun D (edi Detailed ex	the following cat rection) responds to a co dition of feature), ctional modificat torial modificatio planations of the 3GPP TR 21.90	orrection in an ion of feature, n) above catego		2	R97 If the following relation (GSM Phase 2) (Release 1996) (Release 1997) (Release 1998) (Release 1999) (Release 4) (Release 5)	eases:
Reason for change	: Ж <mark>Тоа</mark>	lign chapter 7.6	6.3.9 with AS	SN.1			
Summary of chang		_	-				
Consequences if not approved:	# Miss	alignment of ch	napters may	cause con	rusion		
	20 700						
Clauses affected:	署 <mark>7.6.3</mark>	3.9					
Other specs affected:	Te	ther core speci est specification &M Specification	าร	#			
Other comments:	H						

How to create CRs using this form:

- 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.

```
ODB-GeneralData ::= BIT STRING {
    allOG-CallsBarred
    internationalOGCallsBarred
                                (1),
    internationalOGCallsNotToHPLMN-CountryBarred (2),
    interzonalOGCallsBarred (6)
    interzonalOGCallsNotToHPLMN-CountryBarred (7),
    interzonalOGCallsAndInternationalOGCallsNotToHPLMN-CountryBarred (8),
    premiumRateInformationOGCallsBarred (3),
    premiumRateEntertainementOGCallsBarred
    ss-AccessBarred
    allECT-Barred (9),
    chargeableECT-Barred (10)
    internationalECT-Barred (11),
    interzonalECT-Barred (12)
    doublyChargeableECT-Barred (13),
    multipleECT-Barred (14)} (SIZE (15..32))
    -- exception handling: reception of unknown bit assignments in the
    -- ODB-GeneralData type shall be treated like unsupported ODB-GeneralData
```

7.6.3.9 Operator Determined Barring General Data

This parameter refers to the set of subscribers features that the network operator or the service provider can regulate. This set only includes those limitations that can be controlled in the VLR or in the SGSN:

- All outgoing calls barred; (*)
- International outgoing calls barred; (*)
- International outgoing calls except those to the home PLMN country barred; (*)
- Interzonal outgoing calls barred; (*)
- Interzonal outgoing calls except those to the home PLMN country barred; (*)
- Interzonal outgoing calls AND intenational outgoing calls except those directed to the home PLMN country barred; (*)
- Premium rate (information) outgoing calls barred;
- Premium rate (entertainment) outgoing calls barred;
- Supplementary service access barred;
- Invocation of call transfer barred;
- Invocation of chargeable call transfer barred;
- Invocation of internationally chargeable call transfer barred;
- Invocation of interzonally chargeable call transfer barred;
- Invocation of call transfer where both legs are chargeable barred:
- Invocation of call transfer if there is already an ongoing transferred call for the served subscriber in the serving MSC/VLR barred;
- (*) Only these ODBs are supported by the SGSN. The SGSN applies them only for short message transfer.