3GPP TSG CN Plenary Meeting #14 Kyoto, Japan. 12th - 14th December 2001.

Source:TSG CN WG3Title:CRs on Rel-4 Work Item CSSPLITAgenda item:8.3Document for:APPROVAL

Introduction:

This document contains **4** CRs on **Rel-4** Work Item "**CSSPLIT**", that have been agreed by TSG CN WG3, and are presented to TSG CN Plenary meeting #14 for approval.

NP Tdoc	WG Tdoc	Subject	Spec	CR	Rev	Cat	Phase	C_Ver	WI
NP-010573	N3-010424	Correction of inconsistency regarding RTP		004		F	Rel-4	4.2.0	CSSPLIT
		clock frequency							
NP-010573	N3-010579	Correction of scope clause	29.414	005	1	F	Rel-4	4.2.0	CSSPLIT
NP-010573	N3-010580	Correction of scope clause	29.415	002	1	F	Rel-4	4.1.0	CSSPLIT
NP-010573	N3-010562	Reference to Iu UP	29.415	004	1	F	Rel-4	4.1.0	CSSPLIT

3GPP TSG-CN WG3 Meeting #19 Brighton, U.K. 15th - 19th September 2001

		CHAN	GE REQ	UEST		CR-Form-v			
^ж 2	<mark>9.414</mark> (CR <mark>004</mark>	ж ev	- % (Current versi	on: 4.2.0 [#]			
For <u>HELP</u> on using	For <u>HELP</u> on using this form, see bottom of this page or look at the pop-up text over the # symbols.								
Proposed change affe	ects: ೫	(U)SIM	ME/UE	Radio Acc	ess Network	Core Network			
Title: ೫ C	Correction of	of inconsistenc	y regarding R	TP clock fr	equency				
Source: 🕷 C	N3								
Work item code: 🕷 📿	SSPLIT				<i>Date:</i> ೫	09/10/01			
Category: ℜ F Us De be	E <u>one</u> of the F (correc A (corres B (addition C (function D (editor etailed expla found in 30	e following categ tion) sponds to a corre on of feature), onal modification ial modification) nations of the at SPP <u>TR 21.900</u> .	ories: ection in an ear n of feature) pove categories	<i>lier release)</i> s can	Release: % Use <u>one</u> of 1 2 R96 R97 R98 R99 REL-4 REL-5	Rel-4 the following releases: (GSM Phase 2) (Release 1996) (Release 1997) (Release 1998) (Release 1999) (Release 4) (Release 5)			
Reason for change:	H The sp clock fr	ecification curr equency withir	rently allows to RTP, but pro	o use 1600 ovides IPB	0 Hz and mu CP signalling	ultiples to be used as only for 16000 Hz.			
Summary of change:	₩ Restric	t RTP clock fre	equency to 16	<mark>000 Hz, no</mark>	multiples				
Consequences if not approved:	RTP tir	<mark>ent is inconsis</mark> nestamps can	tent, not be interpr	eted ar rec	ceiving side.				
Clauses affected:		<mark>1 6.2.3.1.8, Sec</mark>	ction 6.3.3.5						
Other specs	H Othe Test	er core specific specifications 1 Specification	ations ¥ s						
Other comments:	¥								

First modified section

6.2.3.1.8 Timestamp

The timestamp shall be supplied by the source MGW of a RTP PDU. A clock frequency of 16000 Hz or multiples of this value shall be used. The sink MGW of a RTP PDU may ignore the timestamp or it may use it to obtain statistics about the link quality and / or to correct jitter.

3GPP TSG-CN WG3 Meeting #20 Cancun, Mexico, 26th - 30th November 2001.

Tdoc N3-010562

		C	HANG	E R	EQ	UE	ST				CR-Form-v3
ж 💈	29.415	CR	004	ж	rev	1	ж	Current vers	sion:	4.1.0	ж
For <u>HELP</u> o	on using ti	his form, see	bottom of th	nis pag	ge or	look	at th	e pop-up text	tover	the ¥ syl	mbols.
Proposed chan	ge affect	s: ដ (U)ទ	SIM M	E/UE		Radi	io Ac	cess Networ	k X	Core Ne	etwork X
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Work item code	e: # <mark>CSS</mark>	PLIT						Date: ೫	200	1-11-26	
Category:	អ F							Release: ೫	RE	L-4	
	Use <u>c</u> l L Detail be for	ne of the follo (essential co (correspond (Addition of (Functional (Editorial mo ed explanation and in 3GPP T	wing categorie prrection) Is to a correctifeature), modification codification polification) hs of the abov R 21.900.	es: ion in a of featu ve cate	an ear ire) gories	lier re	elease	Use <u>one</u> of 2 (R96 (R97 (R98 (R99) (REL-4 (REL-5)	the fo. (GSN (Rele (Rele (Rele (Rele (Rele (Rele	llowing rel 1 Phase 2) ase 1996) ase 1997) ase 1998) ase 1999) ase 4) ase 5)	eases:
Reason for cha	nge:	In 29.415 v Other speci 23.153 v4.3 support Iu/N The referen 29.415 whe	4.1.0 the rele fications stat .0 chapter 5 Ib UP versio ce to 25.415 n there was	ease s te that .4.1 sa n 2." relea no RE	99 ve REL ays: " se 99 EL-4 c	rsion -4 fur Each has of 25.	of 2 nctio MG bee 415	5.415 lu UP s nality must b W and RNC n introduced available.	specif e used that s in a d	ication is d on Nb. I upports T raft versio	used. E.g. rFO shall on of
Summary of ch	ange: ೫	To use the r	elease 4 of	lu UP	spec	ificati	ion.				
Consequences not approved:	if ¥	Misalignme	nt between s	specifi	catio	ns. F	ailur	e of TrFO wo	rking.		
Clauses affecte	d: X	2, 5 and 6									
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Other comment	ts: ೫										

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.

Start of first modified section

2 References

The following documents contain provisions which, through reference in this text, constitute provisions of the present document.

- References are either specific (identified by date of publication, edition number, version number, etc.) or non-specific.
- For a specific reference, subsequent revisions do not apply.

For a non-specific reference, the latest version applies. In the case of a reference to a 3GPP document (including a GSM document), a non-specific reference implicitly refers to the latest version of that document in the same Release as the present document.

- [1] 3GPP TS 23.205: "Bearer Independent CS Core Network; Stage 2"
- [2] 3GPP TS 25.415 v. 3.5.0: "UTRAN Iu Interface User Plane Protocols"
- [3] 3GPP TS 29.232: "Media Gateway Controller; Media Gateway interface; Stage 3"
- [4] 3GPP TS 29.414: "Core Network Nb Data Transport and Transport Signalling"
- [5] 3GPP TR 41.001: "GSM Release specifications"
- [6] 3GPP TR 21.905: "3G Vocabulary"
- [7] IETF RFC 1889: "RTP A Transport Protocol for Real Time Applications"
- [8] ITU-T I.366.1: "Segmentation and Reassembly Service Specific Convergence Sublayer for the AAL type 2"

End of first modified section

Start of second modified section

5 Transparent Mode, version 1

This mode of operation is identical to that of the Iu UP protocol, see the corresponding section in 3GPP TS 25.415 [2].

End of second modified section

Start of third and last modified section

6 Support mode for predefined SDU sizes, version 1

6.1 General

See the corresponding section in 3GPP TS 25.415 [2].

End of third and last modified section

3GPP TSG-CN WG3 Meeting #20

Tdoc N3-010579

			C	CHAN	IGE	REQ	UE	ST	•				C	CR-Form-v5
æ	29.	. <mark>414</mark>	CR	005	8	⊧rev	1	ж	Current	vers	ion:	4.2.	0	ж
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Clauses affected	: X													
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Other comments	: ¥													

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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.

1 Scope

The present document specifies the bearer data transport and bearer control protocols used between MGWs within the CS core network across the Nb Interface. The present document assumes that the implementation of the split of the call control and the bearer transport and control, as specified in 3GPP TS 23.205 [1], see figure 1. The User Plane protocol that uses this bearer data transport (Nb UP) is described in 3GPP TS 29.415 [3]. Note that the present document does not preclude an implementation of a combined MSC Server and MGW.



 Interface
 Signalling and Data Transfer Interface



3GPP TSG-CN WG3 Meeting #20

Tdoc N3-010580

Cancun, Mexico.	. 26 th -	30 th	November 2001.
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æ	29.415 CR 002 # rev 1 ^{# Current version: 4.1.0 [#]}								
For <u>HELP</u> on	For HELP on using this form, see bottom of this page or look at the pop-up text over the # symbols.								
Proposed change	e affects: # (U)SIM ME/UE Radio Access Network Core Network X								
Title:	# Correction to Scope clause								
Source:	光 CN3								
Work item code:	# CSSPLIT Date: # 19-11-01								
Category:	F Release: % REL-4 Use one of the following categories: Use one of the following releases: 2 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 be found in 3GPP TR 21.900. REL-5 (Release 5)								
Reason for chang Summary of chai	 ge: # Inconsistency between the CS CN logical architecture of the stage 2 and stage 3 specifications. nge: # Changed figure 1 by removing the T-SGW and changing HSS to HLR. Also added text to state that the specification does not preclude the implementation of a combined MGW and MSC server. 								
Consequences if not approved:	Misalignment between CN3 and CN4 specifications.								
Clauses affected	: ¥ 1								
Other specs affected:	# Other core specifications # Test specifications 0&M Specifications								
Other comments	ж								

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1 Scope

The present document specifies the user plane protocol of the bearer used between two MGWs within the CS core network, called the Nb UP protocol. The present document assumes the implementation of the split between call control and the bearer transport and control, as specified in 3GPP TS 23.205 [1], see figure 1. <u>Note that the present document does not preclude an implementation of a combined MSC Server and MGW.</u>



