TSG RAN Meeting #18 New Orleans, Louisiana, USA, 3 - 6 December, 2002

RP-020754

Title CRs (Rel-4 and Rel-5 Category A) to TS 25.433 Source TSG RAN WG3

Agenda Item 7.3.4

RAN3 Tdoc	Spec	curr. Vers.	new Vers.	REL	CR	Rev	Cat	Title	Work item
R3-022296	25.433	4.6.0	4.7.0	REL-4	746	-	F	Alignment of Error Indication procedure text to the latest RNSAP	TEI4
R3-022297	25.433	5.2.0	5.3.0	REL-5	747	-	А	Alignment of Error Indication procedure text to the latest RNSAP	TEI4
R3-022553	25.433	4.6.0	4.7.0	REL-4	766	1	F	Clarification on the Minimum Spreading Factor for TDD	TEI4
R3-022554	25.433	5.2.0	5.3.0	REL-5	767	1	Α	Clarification on the Minimum Spreading Factor for TDD	TEI4
R3-022411	25.433	4.6.0	4.7.0	REL-4	779	-	F	Clarification to RACH for 1.28Mcps TDD	LCRTDD- lublur
R3-022412	25.433	5.2.0	5.3.0	REL-5	780	-	А	Clarification to RACH for 1.28Mcps TDD	LCRTDD- lublur
R3-022314	25.433	4.6.0	4.7.0	REL-4	754	-	F	SYNC_DL_Code ID for 1.28Mcps TDD	LCRTDD- lublur
R3-022315	25.433	5.2.0	5.3.0	REL-5	755	-	Α	SYNC_DL_Code ID for 1.28Mcps TDD	LCRTDD- lublur

3GPP TSG-RAN3 Meeting #33 Sophia-Antipolis, France, 11th -15th November, 2002

			(CHAN	IGE	REG	UE	ST	ı				CR-Form-v7
*	25	.433	CR	746		жrev	-	¥	Currer	nt vers	ion:	4.6.0	¥
For <u>HELP</u> on	using	this for	m, see	bottom	of this	page o	look	at th	e pop-u	p text	over	the ₩ sy	mbols.
Proposed change	e affec	<i>ts:</i> l	JICC a	pps#		ME	Ra	dio A	ccess N	letwor	k X	Core N	etwork
Title:	⊮ Aliǫ	nmen	t of Err	or Indica	ation p	rocedure	e text	to the	e latest	RNSA	·P		
Source:	€ RA	N WG	3										
Work item code:	₩ TE	4							Da	nte: #	11/	11/02	
Category:	Deta	F (corr A (corr B (add C (fund D (edia iled exp	rection) respond lition of ctional in torial m olanatio	owing cated as to a confeature), modification in softhe FR 21.900	errection ion of fon n) above	n in an ea eature)			2 P) R9 R9 R9 R9 R6	<u>one</u> of 1 96 97 98 99 el-4 el-5	(GSN (Rele (Rele (Rele (Rele (Rele (Rele	-4 Ilowing re 1 Phase 2 ase 1996 ase 1997 ase 1999 ase 4) ase 5) ase 6)))))
Reason for chang	70. H	Durir	οα ΡΛΝ	12#21 60	mo m	odificati	ane w	oro o	nnrovo			NSAP pro	otocol
Reason for Chang	je. m	rega 704 a	rding th and 70 edure t	ne proce 5). As a	dure to	ext of the the there is	e Erro a nee	or Inded	ication paligning	proced the co	dure (orres	refer to (ponding xt in NB/	CR703, NBAP
Summary of char	ıge:♯	RNS	AP in (704 a	nd 705.						eviously estructu	done for ring was
Consequences if not approved:	*	More Impareleas This releas	e over fact ass ase): CR ha ase) be	NBAP we essment s no imp	ould not toward a contract or one text	ot benef ds the p the pre was mo	it from revious vious dified	n the us ve versi	clarifica rsion of ion of th for the	the spense sake of	dopte pecifica	AP speci ed for RN cation (s tion (san nsistency	ISAP. ame ne
Clauses affected:	* #	8.4.1											
Other specs affected:	Ж	Y N X X	Test	core sp specifica Specific	tions		ж	TS 2	25.433 (CR 74	7		
Other comments:	* ¥												

- 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.

8.4.1 Error Indication

8.4.1.1 General

The Error Indication procedure is initiated by a node in order to report detected errors in one incoming message, provided they cannot be reported by an appropriate response message.

8.4.1.2 Successful Operation

When the conditions defined in subclause 10 are fulfilled, the Error Indication procedure is initiated by an ERROR INDICATION message sent from the receiving node.

In case the Error Indication procedure was triggered by a dedicated procedure, the following applies:

- When the ERROR INDICATION message is sent from a Node B to its CRNC, the CRNC Communication Context ID IE shall be included in the message if available. the corresponding Node B Communication Context, addressed by the Node B Communication Context ID IE which was received in the message triggering the Error Indication procedure, exists;
- When the ERROR INDICATION message is sent from a CRNC to a Node B, the *Node B Communication Context ID* IE shall be included in the message if available. the corresponding CRNC Communication Context, addressed by the CRNC Communication Context ID IE which was received in the message triggering the Error Indication procedure, exists;
- When the a message for a dedicated procedure triggering the Error Indication procedure is received in the Node B and there is no Node B Communication Context as indicated by the with an invalid Node B Communication Context ID IEe, the Node B shall include the unknown Node B Communication Context ID IE from the received message in the ERROR INDICATION message, unless another handling is specified in the procedure text for the affected procedure.
- When a-the message triggering the Error Indication procedure for a dedicated procedure is received in the CRNC and there is no CRNC Communication Context as indicated by the with an invalid CRNC Communication Context ID IE, the CRNC shall include the unknown CRNC Communication Context ID IE from the received message in the ERROR INDICATION message, unless another handling is specified in the procedure text for the affected procedure.

The ERROR INDICATION message shall include either the *Cause* IE, or the *Criticality Diagnostics* IE or both the *Cause* IE and the *Criticality Diagnostics* IE.

Typical cause values for the ERROR INDICATION message are:

Protocol Causes:

- Transfer Syntax Error
- Abstract Syntax Error (Reject)
- Abstract Syntax Error (Ignore and Notify)
- Message not Compatible with Receiver State
- Unspecified



Figure 49: Error Indication procedure (Node B to CRNC): Successful Operation



Figure 50: Error Indication procedure (CRNC to Node B), Successful Operation

3GPP TSG-RAN3 Meeting #33 Sophia-Antipolis, France, 11th -15th November, 2002

Sopilia-Antipoli	3, 1 1	arice	,	-13 1	1076	iibei,	200	_					00.5
			(CHAN	IGE	REC	UE	EST	-				CR-Form-v7
*	25.	.433	CR	747	6	⊭ rev	-	æ	Curr	ent vers	sion:	5.2.0	¥
For HELP on u	ısing t	this for	m, see	bottom o	of this	page of	look	at th	е рор	-up text	over	the ¥ sy	mbols.
<u></u>	J				·					•		•	
					_		_						
Proposed change	affec	ts:	JICC a	npps#		ME	Ra	dio A	Access	Netwo	rk X	Core N	etwork
Title: #	Alic	nmen	t of Er	or Indicat	tion pr	ocedure	e text	to th	e late:	st RNS	AP		
					о р.								
Source: #	RA	N WG	3										
Work item code: ₩	TEI	4							1	Date: ♯	11/	11/02	
Category: 第	Α								Rele	ease: Ж	Rel	-5	
outogory.	Use			owing cate	gories:				Us	e <u>one</u> of	the fo	llowing rel	
		F (cori A (cori		ds to a cor	rection	in an ea	arlier i	eleas		2 R96		1 Phase 2, ase 1996)	
		B (add	lition of	feature),					•	R97	(Rele	ase 1997))
				modification odification		ature)				R98 R99		ase 1998) ase 1999)	
	Deta	iled exp	olanatio	ns of the a	above o	ategorie	es car	1		Rel-4	(Rele	ase 4)	
	be fo	und in	3GPP	TR 21.900						Rel-5 Rel-6		ase 5) ase 6)	
										71070	(11010	400 0)	
Reason for change	e: #			N3#31 so									
				he proced 5). As a r									
		proce	edure	text for th									
		well)											
Summary of chang	ae∶∺	The	proced	lure text is	s modi	ified in a	a way	/ simi	ilar to	what w	as pr	eviously	done for
		RNS	AP in	CR 703, 7	704 an	d 705.					•	-	
		also	applie	d for bette	er reac	lability.							
Consequences if	\mathfrak{H}			would be									
not approved:				NBAP wo									
		relea		essment	loward	is the p	revio	us ve	ersion	or the s	pecin	cation (Sa	ame
			,	s no impa	act on	the pre	vious	vers	ion of	the spe	ecifica	tion (sam	ne
		relea	se) be	cause the	e text v	was mo	dified	only	for th	e sake			
		RNS	AP an	<mark>d does no</mark>	ot char	ige the	inten	ded k	behav	iour.			
Clauses affected:	ж	8.4.1											
		VIN	Ī										
Other specs	ж	Y N X	Othe	r core spe	ecificat	ions	æ	TS	25 431	3 CR 74	16		
affected:	00	X		specificat		.0110	90	.0.	20.70	0 01(74			
		X		Specifica									
Other comments:	¥												

- 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.

8.4.1 Error Indication

8.4.1.1 General

The Error Indication procedure is initiated by a node in order to report detected errors in one incoming message, provided they cannot be reported by an appropriate response message.

8.4.1.2 Successful Operation

When the conditions defined in subclause 10 are fulfilled, the Error Indication procedure is initiated by an ERROR INDICATION message sent from the receiving node.

In case the Error Indication procedure was triggered by a dedicated procedure, the following applies:

- When the ERROR INDICATION message is sent from a Node B to its CRNC, the CRNC Communication Context ID IE shall be included in the message if available. the corresponding Node B Communication Context, addressed by the Node B Communication Context ID IE which was received in the message triggering the Error Indication procedure, exists;
- When the ERROR INDICATION message is sent from a CRNC to a Node B, the *Node B Communication Context ID* IE shall be included in the message if available. the corresponding CRNC Communication Context, addressed by the CRNC Communication Context ID IE which was received in the message triggering the Error Indication procedure, exists;
- When the a message for a dedicated procedure triggering the Error Indication procedure is received in the Node B and there is no Node B Communication Context as indicated by the with an invalid Node B Communication Context ID IEe, the Node B shall include the unknown Node B Communication Context ID IE from the received message in the ERROR INDICATION message, unless another handling is specified in the procedure text for the affected procedure.
- When a-the message triggering the Error Indication procedure for a dedicated procedure is received in the CRNC and there is no CRNC Communication Context as indicated by the with an invalid CRNC Communication Context ID IE, the CRNC shall include the unknown CRNC Communication Context ID IE from the received message in the ERROR INDICATION message, unless another handling is specified in the procedure text for the affected procedure.

The ERROR INDICATION message shall include either the *Cause* IE, or the *Criticality Diagnostics* IE or both the *Cause* IE and the *Criticality Diagnostics* IE.

Typical cause values for the ERROR INDICATION message are:

Protocol Causes:

- Transfer Syntax Error
- Abstract Syntax Error (Reject)
- Abstract Syntax Error (Ignore and Notify)
- Message not Compatible with Receiver State
- Unspecified



Figure 49: Error Indication procedure (Node B to CRNC): Successful Operation



Figure 50: Error Indication procedure (CRNC to Node B), Successful Operation

3GPP TSG-RAN WG3 Meeting #33 Sophia Antipolis, France, 11-15 November, 2002

•	•	<u> </u>						
						_		CR-Form-v7
			CHANGE	E REQ	UEST			
			· · · · · · · · · · ·	– 🛰		•		
\mathfrak{H}		25.433 CR	754	жrev	- #	Current version:	460	 #
		201100	. • .	30101			7.0.0	l
For H	ELP on	using this form, se	e bottom of thi	s page or	look at ti	ne pop-up text ove	r the # svr	nbols.
<u></u>	<u> </u>	aomig amo romii, co	o bottom or tm	o pago o.	ioon at ti	io pop ap tom ovo		1100101

*	25	.433 CF	754	⊭ rev	- 8	₩ Curr	ent vers	ion:	4.6.0	*
For <u>HELP</u> on t	using	this form, s	ee bottom of t	this page or I	look a	t the pop	o-up text	over th	ne Ж sym	nbols.
Proposed change	affec	ts: UICC	apps 	ME	Radio	o Access	s Networ	k X	Core Ne	twork
Title: #	SY	NC_DL Co	de ID for 1.28	Mcps TDD						
Source: #	RA	N WG3								
Work item code: ₩	LC LC	RTDD-lublu	ır				Date: ♯	30/10	0/2002	
Category: अ	Deta	F (correction A (corresponding A) (addition C) (functional D) (editorial	onds to a correct of feature), al modification modification) tions of the abo	ction in an ear		Us	ease: % se <u>one</u> of 2 R96 R97 R98 R99 Rel-4 Rel-5 Rel-6	(GSM I (Releas (Releas (Releas	owing rele Phase 2) se 1996) se 1997) se 1998) se 1999) se 4)	ases:
Reason for chang	∽ ¥	In TS25.2	223 section 9.	3 the relation	nshin	hetween	the SY	NC DI	the SY	NC. III
Summary of chang		And in cu Paramete Code ID I Remove SETUP R Impact Ar Impact as release):	rrent TS25.43 In the DwP The SYNC_D EQUEST TD	and the mida 33, this relation ELL SETUP Information In Code ID IE ID message to wards the pre-	onship REQU ion IE from for 1.2	o is unand DEST TD is redund the DwF	nbiguous D messidant. PCH Info	sly indicage, so	cated in to the SY!	r he Cell VC_ <i>DL</i> L
Consequences if not approved:	ж		is rejected, a cps TDD.	mbiguity ma	y be c	aused w	hen dete	ermine	SYNC_E	OL Code
Clauses affected:	Ж	9.1.24.2,	9.2.3.18B, 9.3	3.3, 9.3.4						
Other specs affected:	Ж	X Tes	er core specification M Specification	าร	第 2	25.433 R	5 CR 75	5		
Other comments:	æ									

Clauses affected:	# 9.1.24.2, 9.2.3.18B, 9.3.3, 9.3.4
Other specs affected:	Y N X Other core specifications X Test specifications O&M Specifications
Other comments:	*

- 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.

9.1.24 CELL SETUP REQUEST

9.1.24.2 TDD Message

IE/Group Name	Presence	Range	IE Type and Reference	Semantics Description	Criticality	Assigned Criticality
Message Discriminator	М		9.2.1.45		_	
Message Type	M		9.2.1.46		YES	reject
Transaction ID	M		9.2.1.62		-	10,000
Local Cell ID	M		9.2.1.38		YES	reject
C-ID	M		9.2.1.9		YES	reject
Configuration Generation Id	M		9.2.1.16		YES	reject
UARFCN	M		9.2.1.65	Corresponds to Nt [15]	YES	reject
Cell Parameter ID	M		9.2.3.4		YES	reject
Maximum Transmission Power	М		9.2.1.40		YES	reject
Transmission Diversity Applied	М		9.2.3.26	On DCHs	YES	reject
Sync Case	M		9.2.3.18		YES	reject
Synchronisation Configuration		1			YES	reject
>N_INSYNC_IND	М		9.2.1.47A		_	
>N_OUTSYNC_IND	М		9.2.1.47B		_	
>T_RLFAILURE	М		9.2.1.56A		_	
DPCH Constant Value	М		Constant		YES	reject
PUSCH Constant Value	M		Value Constant		YES	reject
T GGGT GGTGTGTT VAIGG	"		Value			10,000
PRACH Constant Value	М		Constant Value		YES	reject
Timing Advance Applied	М		9.2.3.22A		YES	reject
SCH Information		01		Mandatory for 3.84Mcps TDD. Not Applicable to 1.28Mcps TDD.	YES	reject
>Common Physical Channel ID	М		9.2.1.13		_	
>CHOICE Sync Case	M				YES	reject
>>Case 1					_	
>>>Time Slot	M		9.2.3.23		_	
>>Case 2					_	
>>>SCH Time Slot	M		9.2.3.17		_	
>SCH Power	M		DL Power 9.2.1.21		_	
>TSTD Indicator	M		9.2.1.64		_	
PCCPCH Information		01		Mandatory for 3.84Mcps TDD. Not Applicable to 1.28Mcps TDD.	YES	reject
>Common Physical Channel ID	М		9.2.1.13		_	
>TDD Physical Channel Offset	M		9.2.3.20		_	
>Repetition Period	М		9.2.3.16		_	
>Repetition Length	M		9.2.3.15		_	
>PCCPCH Power	M		9.2.3.9		_	
>SCTD Indicator	M		9.2.3.30		_	
Time Slot Configuration		015		Mandatory for 3.84Mcps TDD. Not Applicable to 1.28Mcps TDD.	GLOBAL	reject
>Time Slot	M		9.2.3.23		_	
>Time Slot Status	M	<u> </u>	9.2.3.25		_	<u> </u>

>Time Slot Direction	М		9.2.3.24		_	
Time Slot Configuration LCR		07		Mandatory for 1.28Mcps TDD. Not Applicable to 3.84Mcps TDD.	GLOBAL	reject
>Time Slot LCR	M		9.2.3.24A		_	
>Time Slot Status	M		9.2.3.25		_	
>Time Slot Direction	M		9.2.3.24		-	
PCCPCH Information LCR		01		Mandatory for 1.28Mcps TDD. Not Applicable to 3.84Mcps TDD.	YES	reject
>Common Physical Channel ID	М		9.2.1.13		-	
>TDD Physical Channel Offset	М		9.2.3.20		-	
>Repetition Period	M		9.2.3.16		_	
>Repetition Length	M		9.2.3.15		_	
>PCCPCH Power	М		9.2.3.9		_	
>SCTD Indicator	M		9.2.3.30		_	
>TSTD Indicator	M		9.2.1.64		_	
DwPCH Information		01		Mandatory for 1.28Mcps TDD. Not Applicable to 3.84Mcps TDD.	YES	reject
>Common Physical Channel ID	М		9.2.1.13		-	
>TSTD Indicator	M		9.2.1.64		_	
>SYNC_DL Code ID	M		9.2.3.18B		_	
>DwPCH Power	М		9.2.3.5B			
Reference SFN Offset	0		9.2.3.14B		YES	ignore
IPDL Parameter Information		01		Applicable to 3.84Mcps TDD only	YES	reject
>IPDL TDD Parameters	М		9.2.3.5D		_	
>IPDL Indicator	М		9.2.1.36F		_	-

/* partly omitted */

9.2.3.18B SYNC_DL Code ID Void

The SYNC_DL Code ID identifies the SYNC_DL Code which used by DwPCH.

IE/Group Name	Presence	Range	IE Type and Reference	Semantics Description
SYNC_DL Code ID			INTEGER (132,)	

9.3.3 PDU Definitions

```
*****************
-- PDU definitions for NBAP.
__ ********************
NBAP-PDU-Contents {
itu-t (0) identified-organization (4) etsi (0) mobileDomain (0)
umts-Access (20) modules (3) nbap (2) version1 (1) nbap-PDU-Contents (1) }
DEFINITIONS AUTOMATIC TAGS ::=
BEGIN
    ****************
-- IE parameter types from other modules.
  *****************
IMPORTS
  /* partly omitted */
   SSDT-Cell-Identity,
   SSDT-CellID-Length,
   SSDT-Indication,
   Start-Of-Audit-Sequence-Indicator,
   STTD-Indicator,
   SSDT-SupportIndicator,
   SyncCase,
   SYNCDlCodeId,
   SyncFrameNumber,
   SynchronisationReportCharacteristics,
   SynchronisationReportType,
   T-Cell,
   T-RLFAILURE,
   TDD-ChannelisationCode,
   TDD-ChannelisationCodeLCR,
   TDD-DL-Code-LCR-Information,
   TDD-DPCHOffset,
   TDD-TPC-DownlinkStepSize,
   TDD-PhysicalChannelOffset,
   TDD-UL-Code-LCR-Information,
```

```
-- CELL SETUP REQUEST TDD
__ *********************
CellSetupRequestTDD ::= SEOUENCE {
   protocolIEs
                        ProtocolIE-Container {{CellSetupRequestTDD-IEs}},
   protocolExtensions
                        ProtocolExtensionContainer {{CellSetupRequestTDD-Extensions}}
                                                                                     OPTIONAL,
/* partly omitted */
DwPCH-LCR-Information-Cell-SetupRqstTDD ::= SEQUENCE {
   commonPhysicalChannelId
                               CommonPhysicalChannelID,
   tSTD-Indicator
                               TSTD-Indicator,
   sYNCDlCodeId
                               SYNCDlCodeId,
   dwPCH-Power
                                DwPCH-Power,
   iE-Extensions
                                OPTIONAL,
   . . .
DwPCH-LCR-Information-Cell-SetupRgstTDD-ExtIEs NBAP-PROTOCOL-EXTENSION ::= {
IPDLParameter-Information-Cell-SetupRqstTDD ::= SEQUENCE {
   iPDL-TDD-Parameters
                                          IPDL-TDD-Parameters,
   iPDL-Indicator
                                          IPDL-Indicator,
   iE-Extensions
                                       ProtocolExtensionContainer { { IPDLParameter-Information-Cell-SetupRqstTDD-ExtIEs} }
                                                                                                                      OPTIONAL,
IPDLParameter-Information-Cell-SetupRqstTDD-ExtIEs NBAP-PROTOCOL-EXTENSION ::= {
/* partly omitted */
```

9.3.4 Information Elements Definitions

```
/* partly omitted */
-- -----
/* partly omitted */
STTD-Indicator ::= ENUMERATED {
   active,
   inactive,
SSDT-SupportIndicator ::= ENUMERATED {
   sSDT-Supported,
   sSDT-not-supported
SyncCase ::= INTEGER (1..2,...)
SYNCDlCodeId ::= INTEGER (1..32,...)
SyncFrameNumber ::= INTEGER (1..10)
SynchronisationReportCharacteristics ::= SEQUENCE {
   synchronisationReportCharacteristicsType
                                            SynchronisationReportCharacteristicsType,
   {\tt synchronisationReportCharactThreExc}
                                            SynchronisationReportCharactThreExc
                                                                                 OPTIONAL,
       -- Thie IE shall be included if the synchronisationReportCharacteristicsType IE is set to "thresholdExceeding".
   iE-Extensions
                                             ProtocolExtensionContainer { { SynchronisationReportCharacteristics-ExtIEs } } OPTIONAL,
SynchronisationReportCharacteristics-ExtIEs NBAP-PROTOCOL-EXTENSION ::= {
/* partly omitted */
```

3GPP TSG-RAN WG3 Meeting #33 Sophia Antipolis, France, 11-15 November, 2002

Soprila Antipolis	3, 1 1	ance	, , , , - ,	3 14046	IIIDE	1, 2002							
			(CHAN	GE	REC	UE	ST	•				CR-Form-v7
*	25.	433	CR	755		ж rev	-	¥	Currei	nt vers	sion:	5.2.0	¥
For HELP on u	sing t	his for	m, see	bottom c	of this	page o	r look	at th	е рор-и	ıp text	over	the # sy	mbols.
					_		_					1	
Proposed change	affec	ts:	JICC a	pps#		ME	Ra	dio A	.ccess 1	Netwo	rk X	Core N	etwork
Title: %	SY	NC DI	Code	ID for 1.	28Mcı	os TDD							
				12 101 111	_00								
Source: #	RA	N WG	3										
Work item code: ₩	LCI	RTDD-	·lublur						Da	ate: ೫	30/	10/2002	
Category: ж	Α								Relea	se: ೫	Re	l-5	
	Use			wing cate	gories:	•			Use	<u>one</u> of	the fo	ollowing rel	
		A (cor		ds to a cor	rection	in an ea	arlier r	eleas	2 e) R	96	(Rele	// Phase 2) ease 1996)	
				feature), modificatio	on of fo	oturo)				97 98	•	ease 1997) ease 1998)	
		D (edi	torial m	odification)	,			R	99	(Rele	ease 1999)	
				ns of the a		categorie	es can			el-4 el-5		ease 4) ease 5)	
	DC 10	una in		1 21.300	•					el-6		ease 6)	
Reason for change	. ¥	In T	325 22	3 section	03 +	na ralati	onehi	in hat	twoon t	ha SV	NC I	DL, the S	VNC III
Reason for change	<i>.</i> 00	the s		ling code:								escribed f	
												dicated in	
				in the Dv							age,	30 1116 0 1	NO_DL
Summary of chang	vo. ₩	Ram	ova Th	a SVNC	DI C	ode ID	IE fro	m the	2 DWPC	`H Info	orm at	ion of CE	11
Summary or chang	<i>je.</i>			QUEST 1									LL
			ict Ana										
		Impa relea		essment t	toward	ds the p	revio	us ve	rsion of	the s	pecifi	cation (sa	ame
			,	is backw	ard in	compati	ible.						
Consequences if	¥	If this	CR is	rejected	amhi	auity m	av he	Calle	sed whe	an det	ermin	e SYNC	DL Code
not approved:	00			s TDD .	, arribi	guity iii	ay bo	· oaa	Joa Will	on act	CIIIIII	01110_	_DL Oodc
Clauses affected:	¥	0.1.2	4.2, 9.	3 3									
Ciauses affected:	Ф	ع. ۱.Z	.→.∠, ઝ.	0.0									
	00	YN	0.11				00	05	100 D 1	0D 7	- 4		
Other specs affected:	ж	X X		core spe specificat		tions	Ħ	25.4	133 R4	CR 75	04		
		X		Specifica									
Other comments:	¥												

- 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.

9.1.24 CELL SETUP REQUEST

9.1.24.2 TDD Message

IE/Group Name	Presence	Range	IE Type and Reference	Semantics Description	Criticality	Assigned Criticality
Message Discriminator	М		9.2.1.45		_	
Message Type	M		9.2.1.46		YES	reject
Transaction ID	M		9.2.1.62		-	10,000
Local Cell ID	M		9.2.1.38		YES	reject
C-ID	M		9.2.1.9		YES	reject
Configuration Generation Id	M		9.2.1.16		YES	reject
UARFCN	M		9.2.1.65	Corresponds to Nt [15]	YES	reject
Cell Parameter ID	M		9.2.3.4		YES	reject
Maximum Transmission Power	М		9.2.1.40		YES	reject
Transmission Diversity Applied	М		9.2.3.26	On DCHs	YES	reject
Sync Case	M		9.2.3.18		YES	reject
Synchronisation Configuration		1			YES	reject
>N_INSYNC_IND	М		9.2.1.47A		_	
>N_OUTSYNC_IND	М		9.2.1.47B		_	
>T_RLFAILURE	М		9.2.1.56A		_	
DPCH Constant Value	М		Constant		YES	reject
PUSCH Constant Value	M		Value Constant		YES	reject
T GGGT GGTGTGTT VAIGG	"		Value			10,000
PRACH Constant Value	М		Constant Value		YES	reject
Timing Advance Applied	М		9.2.3.22A		YES	reject
SCH Information		01		Mandatory for 3.84Mcps TDD. Not Applicable to 1.28Mcps TDD.	YES	reject
>Common Physical Channel ID	М		9.2.1.13		_	
>CHOICE Sync Case	M				YES	reject
>>Case 1					_	
>>>Time Slot	M		9.2.3.23		_	
>>Case 2					_	
>>>SCH Time Slot	M		9.2.3.17		_	
>SCH Power	M		DL Power 9.2.1.21		_	
>TSTD Indicator	M		9.2.1.64		_	
PCCPCH Information		01		Mandatory for 3.84Mcps TDD. Not Applicable to 1.28Mcps TDD.	YES	reject
>Common Physical Channel ID	М		9.2.1.13		_	
>TDD Physical Channel Offset	M		9.2.3.20		_	
>Repetition Period	М		9.2.3.16		_	
>Repetition Length	M		9.2.3.15		_	
>PCCPCH Power	M		9.2.3.9		_	
>SCTD Indicator	M		9.2.3.30		_	
Time Slot Configuration		015		Mandatory for 3.84Mcps TDD. Not Applicable to 1.28Mcps TDD.	GLOBAL	reject
>Time Slot	M		9.2.3.23		_	
>Time Slot Status	M	<u> </u>	9.2.3.25		_	<u> </u>

>Time Slot Direction	М		9.2.3.24		_	
Time Slot Configuration LCR		07		Mandatory for 1.28Mcps TDD. Not Applicable to 3.84Mcps TDD.	GLOBAL	reject
>Time Slot LCR	М		9.2.3.24A		_	
>Time Slot Status	М		9.2.3.25		_	
>Time Slot Direction	M		9.2.3.24		_	
PCCPCH Information LCR		01		Mandatory for 1.28Mcps TDD. Not Applicable to 3.84Mcps TDD.	YES	reject
>Common Physical Channel ID	М		9.2.1.13		_	
>TDD Physical Channel Offset	М		9.2.3.20		_	
>Repetition Period	М		9.2.3.16		_	
>Repetition Length	M		9.2.3.15		_	
>PCCPCH Power	M		9.2.3.9		_	
>SCTD Indicator	M		9.2.3.30		-	
>TSTD Indicator	M		9.2.1.64		_	
DwPCH Information		01		Mandatory for 1.28Mcps TDD. Not Applicable to 3.84Mcps TDD.	YES	reject
>Common Physical Channel ID	М		9.2.1.13		-	
>TSTD Indicator	М		9.2.1.64		_	
>SYNC_DL Code ID	M		9.2.3.18B		_	
>DwPCH Power	М		9.2.3.5B		_	
Reference SFN Offset	0		9.2.3.14B		YES	ignore
IPDL Parameter Information		01		Applicable to 3.84 Mcps TDD only	YES	reject
>IPDL TDD Parameters	M		9.2.3.5D		_	
>IPDL Indicator	М		9.2.1.36F		_	
IPDL Parameter Information LCR		01		Applicable to 1.28Mcps TDD only	YES	reject
>IPDL TDD Parameters LCR	М		9.2.3.5H		_	
>IPDL Indicator	M		9.2.1.36F		_	

^{/*} partly omitted */

9.3.3 PDU Definitions

```
/* partly omitted */
__ *********************
-- CELL SETUP REQUEST TDD
/* partly omitted */
PCCPCH-LCR-Information-Cell-SetupRqstTDD ::= SEQUENCE
    commonPhysicalChannelID
                                           CommonPhysicalChannelID,
    tdd-PhysicalChannelOffset
                                           TDD-PhysicalChannelOffset,
    repetitionPeriod
                                           RepetitionPeriod,
    repetitionLength
                                           RepetitionLength,
    pCCPCH-Power
                                           PCCPCH-Power,
                                       SCTD-Indicator,
    sCTD-Indicator
    tSTD-Indicator
                                           TSTD-Indicator.
    iE-Extensions
                                           ProtocolExtensionContainer { { PCCPCH-LCR-Information-Cell-SetupRqstTDD-ExtIEs} }
                                                                                                                                OPTIONAL
PCCPCH-LCR-Information-Cell-SetupRqstTDD-ExtIEs NBAP-PROTOCOL-EXTENSION ::= {
DwPCH-LCR-Information-Cell-SetupRqstTDD ::= SEQUENCE {
    commonPhysicalChannelId
                                   CommonPhysicalChannelID,
    tSTD-Indicator
                                   TSTD-Indicator,
    syncolcodeId
                                   SYNCDlCodeId,
    dwPCH-Power
                                   DwPCH-Power,
                                   ProtocolExtensionContainer { { DwPCH-LCR-Information-Cell-SetupRgstTDD-ExtIEs} }
    iE-Extensions
                                                                                                                        OPTIONAL,
DwPCH-LCR-Information-Cell-SetupRqstTDD-ExtIEs NBAP-PROTOCOL-EXTENSION ::= {
IPDLParameter-Information-Cell-SetupRqstTDD ::= SEQUENCE {
    iPDL-TDD-Parameters
                                               IPDL-TDD-Parameters,
    iPDL-Indicator
                                               IPDL-Indicator,
    iE-Extensions
                                           ProtocolExtensionContainer { { IPDLParameter-Information-Cell-SetupRqstTDD-ExtIEs} }
                                                                                                                                   OPTIONAL,
    . . .
IPDLParameter-Information-Cell-SetupRqstTDD-ExtIEs NBAP-PROTOCOL-EXTENSION ::= {
IPDLParameter-Information-LCR-Cell-SetupRqstTDD ::= SEQUENCE {
```

Use <u>one</u> of the following categories:

D (editorial modification)

be found in 3GPP TR 21.900.

第 9.2.1.47, 9.3.4

ж <mark>Х</mark>

 \mathfrak{R}

B (addition of feature),C (functional modification of feature)

Detailed explanations of the above categories can

A (corresponds to a correction in an earlier release)

F (correction)

Category:

Clauses affected:

Other comments:

Other specs

affected:

Tdoc R3-022553

Release: # Rel-4

2

R96

R97

R98

R99

Rel-4

Rel-5

Rel-6

第 25.433 v5.2.0 CR767

Use <u>one</u> of the following releases: (GSM Phase 2)

(Release 1996)

(Release 1997)

(Release 1998)

(Release 1999)

(Release 4)

(Release 5) (Release 6)

Sophia Antipolis, France, 11" – 15" November 2002										
CHANGE REQUEST										CR-Form-v7
*		25.433	CR	766	жrev	1	¥	Current version	on: 4.6.0	 #
For <u>HELP</u> o	on us	sing this for	m, see	bottom of this	s page or	look	at th	e pop-up text c	over the # syi	mbols.
Proposed chan	ge a	affects: \	JICC ap	pps#	ME	Rad	dio A	ccess Network	X Core Ne	etwork
Title:	Ж	Clarification	on on th	e Minimum S	Spreading	Fact	or fo	or TDD		
Source:	¥	RAN WG	3							
Work item code	e: #	TEI4						Date: ♯	11/11/2002	

Reason for change: #	The Minimum Spreading Factor IE is correctly defined in NBAP for FDD from 4 to 512. Since TDD can have the Spreading Factors 1, 2, 4, 8, and 16, a clarification for the minimum spreading factors "1" and "2" for TDD is needed.
Summary of change: ₩	A mapping scheme for the Minimum Spreading Factor 1 and 2 for TDD is introduced.
Consequences if # not approved:	If this CR is not approved, the minimum spreading factors 1 and 2 can not be used for TDD.
	Impact Analysis: Impact assessment towards the previous version of the specification (same release): This CR has isolated impact with the previous version of the specification (same release) because the minimum spreading factor only is affected. This CR has an impact under functional point of view. The impact can be considered isolated because the cahnge affects one function namely the Minimum Spreading Factor.

Other core specifications

Test specifications

X O&M Specifications

- 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.

9.2.1.47 Minimum Spreading Factor

This parameter indicates the minimum spreading factor supported at a cell within the Node B.

IE/Group Name	Presence	Range	IE Type and Reference	Semantics Description
Minimum Spreading Factor			ENUMERATED (4, 8, 16, 32, 64, 128, 256, 512)	[TDD – Mapping scheme for the minimum spreading factor 1 and 2: "256" means 1 "512" means 2]

9.3.4 Information Elements Definitions

```
-- -----
-- ------
MaximumDL-PowerCapability ::= INTEGER(0..500)
-- Unit dBm, Range OdBm .. 50dBm, Step +0.1dB
MaximumTransmissionPower ::= INTEGER(0..500)
-- Unit dBm, Range OdBm .. 50dBm, Step +0.1dB
MaxNrOfUL-DPDCHs ::= INTEGER (1..6)
Max-Number-of-PCPCHes ::= INTEGER (1..64,...)
MaxPRACH-MidambleShifts ::= ENUMERATED {
    shift4,
    shift8,
    . . .
MeasurementFilterCoefficient ::= ENUMERATED {k0, k1, k2, k3, k4, k5, k6, k7, k8, k9, k11, k13, k15, k17, k19,...}
-- Measurement Filter Coefficient to be used for measurement
MeasurementID ::= INTEGER (0..1048575)
MessageStructure ::= SEQUENCE (SIZE (1..maxNrOfLevels)) OF
    SEQUENCE {
       iE-ID
                              ProtocolIE-ID,
       repetitionNumber
                              RepetitionNumber1
                                                     OPTIONAL,
       iE-Extensions
                              ProtocolExtensionContainer { {MessageStructure-ExtIEs} } OPTIONAL,
MessageStructure-ExtIEs NBAP-PROTOCOL-EXTENSION ::= {
MidambleConfigurationBurstType1And3 ::=
                                         ENUMERATED {v4, v8, v16}
MidambleConfigurationBurstType2 ::=
                                      ENUMERATED {v3, v6}
MidambleShiftAndBurstType ::=
                                  CHOICE {
                                      SEQUENCE {
    type1
       midambleConfigurationBurstType1And3 MidambleConfigurationBurstType1And3,
       midambleAllocationMode
                                         CHOICE {
           defaultMidamble
                                             NULL,
```

```
commonMidamble
                                                 NULL,
            ueSpecificMidamble
                                                 MidambleShiftLong,
    . . .
                                         SEQUENCE -
    type2
        midambleConfigurationBurstType2
                                             MidambleConfigurationBurstType2,
        midambleAllocationMode
                                             CHOICE {
            defaultMidamble
                                                 NULL,
            commonMidamble
                                                 NULL,
                                                 MidambleShiftShort,
            ueSpecificMidamble
        . . .
    type3
                                         SEOUENCE
        midambleConfigurationBurstTypelAnd3 MidambleConfigurationBurstTypelAnd3,
        midambleAllocationMode
                                             CHOICE
            defaultMidamble
                                                 NULL,
            ueSpecificMidamble
                                                 MidambleShiftLong,
        . . .
MidambleShiftLong ::=
                                     INTEGER (0..15)
MidambleShiftShort ::=
                                     INTEGER (0..5)
MidambleShiftLCR ::= SEQUENCE {
    midambleAllocationMode
                                MidambleAllocationMode,
    midambleShift
                                MidambleShiftLong
                                                         OPTIONAL,
    -- The IE shall be present if the Midamble Allocation Mode IE is set to "UE specific midamble".
    iE-Extensions
                                 ProtocolExtensionContainer { {MidambleShiftLCR-ExtIEs} }
                                                                                                  OPTIONAL,
    . . .
MidambleAllocationMode ::= ENUMERATED {
    defaultMidamble,
    commonMidamble,
    uESpecificMidamble,
    . . .
MidambleShiftLCR-ExtIEs NBAP-PROTOCOL-EXTENSION ::= {
MinimumDL-PowerCapability ::= INTEGER(0..800)
-- Unit dBm, Range -30dBm .. 50dBm, Step +0.1dB
```

```
MinSpreadingFactor ::= ENUMERATED {
        v4,
        v8,
        v16,
        v32,
        v64,
        v128,
        v256,
        v512
         -- TDD Mapping scheme for the minimum spreading factor 1 and 2: "256" means 1, "512" means 2
Modulation ::= ENUMERATED {
    qPSK,
    eightPSK,
MinUL-ChannelisationCodeLength ::= ENUMERATED {
    v4,
    v8,
    v16,
    v32,
    v64,
    v128,
    v256,
    . . .
MultiplexingPosition ::= ENUMERATED {
    fixed,
    flexible
```

3GPP TSG-RAN WG3 Meeting #nn Sophia Antipolis, France, 11th – 15th November 2002

Sophia Antipoli	15, FI	ance	, 11 -	15 1401	/ember 2	2002				CR-Form-v7
			С	HANG	E REQ	UE	ST	•		CR-FOIIII-VI
ж	25	.433	CR	767	≋ rev	1	¥	Current ver	rsion:	5.2.0 #
For HELP on a				ps#	nis page or	_				the # symbols. Core Network
						_				_
Title:	€ Cla	arificati	on on th	e Minimum	Spreading	Fac	tor fo	or TDD		
Source:	RA RA	N WG	3							
Work item code: ₩	€ TE	14						Date: 8	€ 11/	11/2002
Category: #	Deta	F (cor A (cor B (add C (fun D (edi iiled ex	rection) responds dition of fo ctional m torial mod	odification of dification) s of the abov	ion in an ea f feature)			2	of the fo (GSN (Rele (Rele (Rele (Rele (Rele	I-5 Illowing releases: Il Phase 2) Pase 1996) Pase 1997) Pase 1998) Pase 1999) Pase 4) Pase 5) Pase 6)
Reason for chang	и е: Ж	512.	Since T	DD can hav	ve the Spre	eadin	ıg Fa		8, and	P for FDD from 4 to d 16, a clarification ed.
Summary of chan	<i>ge:</i> ૠ		apping s duced.	cheme for t	the Minimu	ım Sp	oread	ling Factor 1	and 2	for TDD is
Consequences if not approved:	**	Impa Impa relea This relea This cons	I for TDI act Analy act asses ase): CR has ase) bec CR has sidered is	osis: ssment town isolated impause the man impact	ards the pr pact with the inimum sprunder functions ause the c	reviou he pr readi tiona	us ve reviou ng fa Il poir	ersion of the	specifi the sp affecte ne imp	act can be
Clauses affected:	9 P	0.2.1	1 17 0 3	1						
Other specs affected:	*	Y N X X	Test s	.4 core specifi pecifications specification	S	¥	25.4	133 v4.6.0 C	R766	
Other comments:	æ									

- 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.

9.2.1.47 Minimum Spreading Factor

This parameter indicates the minimum spreading factor supported at a cell within the Node B.

IE/Group Name	Presence	Range	IE Type and Reference	Semantics Description
Minimum Spreading Factor			ENUMERATED (4, 8, 16, 32, 64, 128, 256, 512)	[TDD – Mapping scheme for the minimum spreading factor 1 and 2: "256" means 1 "512" means 2]

9.3.4 Information Elements Definitions

```
__ ______
-- ------
MACdPDU-Size ::= INTEGER (1..5000,...)
MACdPDU-Size-Indexlist ::= SEQUENCE (SIZE (1..maxNrOfMACdPDUIndexes)) OF MACdPDU-Size-IndexItem
MACdPDU-Size-IndexItem ::= SEQUENCE {
   sID
                                    INTEGER (0..7),
   macdPDU-Size
                                    MACdPDU-Size,
                                    ProtocolExtensionContainer { { MACdPDU-Size-IndexItem-ExtIEs} }
   iE-Extensions
                                                                                                          OPTIONAL,
MACdPDU-Size-IndexItem-ExtIEs NBAP-PROTOCOL-EXTENSION ::= {
MACdPDU-Size-Indexlist-to-Modify ::= SEQUENCE (SIZE (1..maxNrOfMACdPDUIndexes)) OF MACdPDU-Size-IndexItem-to-Modify
MACdPDU-Size-IndexItem-to-Modify ::= SEQUENCE {
   sID
                                    INTEGER (0..7),
   macdPDU-Size
                                                                                                        OPTIONAL,
                                    MACdPDU-Size
                                    iE-Extensions
                                                                                                          OPTIONAL.
MACdPDU-Size-IndexItem-to-Modify-ExtIEs NBAP-PROTOCOL-EXTENSION ::= {
MaximumDL-PowerCapability ::= INTEGER(0..500)
-- Unit dBm, Range OdBm .. 50dBm, Step +0.1dB
Maximum-PDSCH-Power ::= SEQUENCE {
   maximum-PDSCH-Power-SF4
                            DL-Power
                                           OPTIONAL,
   maximum-PDSCH-Power-SF8
                            DL-Power
                                           OPTIONAL,
   maximum-PDSCH-Power-SF16
                            DL-Power
                                           OPTIONAL,
   maximum-PDSCH-Power-SF32
                            DL-Power
                                           OPTIONAL,
   maximum-PDSCH-Power-SF64
                            DL-Power
                                           OPTIONAL,
   maximum-PDSCH-Power-SF128
                           DL-Power
                                           OPTIONAL,
   maximum-PDSCH-Power-SF256 DL-Power
                                           OPTIONAL,
   iE-Extensions
                         ProtocolExtensionContainer { { Maximum-PDSCH-Power-ExtIEs} } }
                                                                                      OPTIONAL.
```

```
Maximum-PDSCH-Power-ExtIEs NBAP-PROTOCOL-EXTENSION ::= {
MaximumTransmissionPower ::= INTEGER(0..500)
-- Unit dBm, Range 0dBm .. 50dBm, Step +0.1dB
MaxNrOfUL-DPDCHs ::= INTEGER (1..6)
Max-Number-of-PCPCHes ::= INTEGER (1..64,...)
MaxPRACH-MidambleShifts ::= ENUMERATED {
    shift4,
    shift8,
MeasurementFilterCoefficient ::= ENUMERATED {k0, k1, k2, k3, k4, k5, k6, k7, k8, k9, k11, k13, k15, k17, k19,...}
-- Measurement Filter Coefficient to be used for measurement
MeasurementID ::= INTEGER (0..1048575)
MessageStructure ::= SEQUENCE (SIZE (1..maxNrOfLevels)) OF
    SEOUENCE {
       iE-ID
                                ProtocolIE-ID,
       repetitionNumber
                                RepetitionNumber1
                                                        OPTIONAL,
       iE-Extensions
                                ProtocolExtensionContainer { {MessageStructure-ExtIEs} } OPTIONAL,
MessageStructure-ExtIEs NBAP-PROTOCOL-EXTENSION ::= {
MidambleConfigurationBurstTypelAnd3 ::=
                                            ENUMERATED {v4, v8, v16}
MidambleConfigurationBurstType2 ::=
                                        ENUMERATED {v3, v6}
MidambleShiftAndBurstType ::=
                                    CHOICE {
    type1
                                        SEQUENCE {
        midambleConfigurationBurstType1And3 MidambleConfigurationBurstType1And3,
       midambleAllocationMode
                                            CHOICE {
           defaultMidamble
                                                NULL,
            commonMidamble
                                                NULL,
           ueSpecificMidamble
                                                MidambleShiftLong,
    type2
                                        SEQUENCE {
        midambleConfigurationBurstType2
                                            MidambleConfigurationBurstType2,
        midambleAllocationMode
                                            CHOICE {
```

```
defaultMidamble
                                                NULL,
            commonMidamble
                                                NULL,
            ueSpecificMidamble
                                                MidambleShiftShort,
        . . .
                                        SEQUENCE {
    type3
        midambleConfigurationBurstType1And3 MidambleConfigurationBurstType1And3,
        midambleAllocationMode
                                            CHOICE {
            defaultMidamble
                                                NULL,
            ueSpecificMidamble
                                                MidambleShiftLong,
MidambleShiftLong ::=
                                    INTEGER (0..15)
MidambleShiftShort ::=
                                    INTEGER (0..5)
MidambleShiftLCR ::= SEOUENCE {
    midambleAllocationMode
                                MidambleAllocationMode,
    midambleShift
                                MidambleShiftLong
                                                         OPTIONAL,
    -- The IE shall be present if the Midamble Allocation Mode IE is set to "UE specific midamble".
                                ProtocolExtensionContainer { {MidambleShiftLCR-ExtIEs} }
    iE-Extensions
                                                                                                 OPTIONAL,
MidambleAllocationMode ::= ENUMERATED {
    defaultMidamble,
    commonMidamble,
    uESpecificMidamble,
MidambleShiftLCR-ExtIEs NBAP-PROTOCOL-EXTENSION ::= {
MinimumDL-PowerCapability ::= INTEGER(0..800)
-- Unit dBm, Range -30dBm .. 50dBm, Step +0.1dB
MinSpreadingFactor ::= ENUMERATED {
        v4,
        v8,
        v16,
        v32,
        v64,
        v128,
        v256,
```

```
v512
         -- TDD Mapping scheme for the minimum spreading factor 1 and 2: "256" means 1, "512" means 2
Modulation ::= ENUMERATED {
    qPSK,
    eightPSK,
MinUL-ChannelisationCodeLength ::= ENUMERATED {
    v4,
    v8,
    v16,
    v32,
    v64,
    v128,
    v256,
    . . .
MultiplexingPosition ::= ENUMERATED {
    fixed,
    flexible
```

3GPP TSG- RAN WG3 Meeting #33 Sophia-Antipolis, France, November 11th—15th, 2002

	CR-Form-v7
	CHANGE REQUEST
*	25.433 CR 779
For <u>HELP</u> on usi	ng this form, see bottom of this page or look at the pop-up text over the ₩ symbols.
Proposed change af	fects: UICC apps第 ME Radio Access Network X Core Network
Title: 第	Clarification to RACH for 1.28Mcps TDD
Source: #	RAN WG3
Work item code: ₩	LCRTDD-lublur Date: # 06/11/2002
D	Release: Release: Rel-4 Use one 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) Release: Rel-4 Release 1996) R97 (Release 1997) R98 (Release 1998) R99 (Release 1999) Retailed explanations of the above categories can e found in 3GPP TR 21.900. Rel-5 (Release 5) Rel-6 (Release 6)
Reason for change: Summary of change.	combination will be configured in one COMMON TRANSPORT CHANNEL SETUP REQUEST message for 1.28Mcps TDD: one or more PRACH, one RACH and one FPACH related to that PRACH. However, in the tabular 9.1.3.2, the <i>RACH</i> IE group is present in every <i>PRACH LCR</i> IE group. In order to keep the consistency with the procedure text, it is necessary to clarify in Abnormal Conditions subclause that every <i>RACH</i> IE group should be the same in different <i>PRACH LCR</i> IE group in one COMMON TRANSPORT CHANNEL SETUP REQUEST message.
Consequences if not approved:	# If this document is not approved, the usage for RACH in 1.28Mcps TDD mode will not be same as the specific in the procedure text.
Clauses affected:	第 8.2.1.4
Other specs	Y N ** ** ** ** ** ** ** ** **

affected:	X Test specifications O&M Specifications
Other comments:	₩

- 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.

8.2.1 Common Transport Channel Setup

/* partly omitted */

8.2.1.4 Abnormal Conditions

If the COMMON TRANSPORT CHANNEL SETUP REQUEST message contains the *Secondary CCPCH* IE, and that IE contains [FDD – neither the *FACH Parameters* IE nor the *PCH Parameters* IE] [TDD – neither the *FACH* IE nor the *PCH* IE], the Node B shall reject the procedure using the COMMON TRANSPORT CHANNEL SETUP FAILURE message.

[FDD – If the COMMON TRANSPORT CHANNEL SETUP REQUEST message contains the *CD Sub Channel Numbers* IE, but the *CD Signatures* IE is not present, then the Node B shall reject the procedure using the COMMON TRANSPORT CHANNEL SETUP FAILURE message.]

[TDD – If the FACH CCTrCH Id IE or the PCH CCTrCH Id IE does not equal the SCCPCH CCTrCH Id IE, the Node B shall regard the Common Transport Channel Setup procedure as having failed and the Node B shall send the COMMON TRANSPORT CHANNEL SETUP FAILURE message to the CRNC.]

[TDD – If the *TDD Physical Channel Offset* IE, the *Repetition Period* IE, and the *Repetition Length* IE are not equal for each SCCPCH configured within the CCTrCH, the Node B shall regard the Common Transport Channel Setup procedure as having failed and the Node B shall send the COMMON TRANSPORT CHANNEL SETUP FAILURE message to the CRNC.]

[1.28Mcps TDD – If the *Common Transport Channel ID* IE, and the *Transport Format Set* IE are not equal for each RACH configured in PRACH, the Node B shall regard the Common Transport Channel Setup procedure as having failed and the Node B shall send the COMMON TRANSPORT CHANNEL SETUP FAILURE message to the CRNC.]

If the state is already Enabled or Disabled [6] for at least one channel in the COMMON TRANSPORT CHANNEL SETUP REQUEST message which is received, the Node B shall reject the configuration of all channels with the *Cause* IE set to "Message not compatible with receiver state".

3GPP TSG- RAN WG3 Meeting #33 Sophia-Antipolis, France, November 11th—15th, 2002

		-,		,			,							
				(CHAN	NGE	REC	QUE	ST	•				CR-Form-v7
*		25	.433	CR	780		жrev	-	æ	Curre	nt vers	sion:	5.2.0	¥
For H	IELP on t	ısina	this for	m see	hottom	of this	nage o	r look	at th	e non-i	ın tevt	OVER	the ¥ sv	mhols
7	in the second	ionig '		<i>III,</i> 000	bottom	or true	, pago o	1001	at tir	ο μορ ι	ip toxt	. 0001	une oo ey	mooid.
Propose	d change	affec	ts: l	JICC a	pps# <mark> </mark>		ME	Rad	dio A	ccess l	Vetwo	rk X	Core N	etwork
Title:	H	Cla	rificati	on to R	ACH for	r 1.28ľ	Mcps TD	D						
0	or.	D A	NIMO	0										
Source:	₩	KA	N WG	3										
Work ite	m code:₩	LC	RTDD.	lublur						Da	ate:	06/	11/2002	
Category	v: #	Α								Relea	se: #	Rel	l - 5	
	,.	Use			wing cat	egories	s:			Use	<u>one</u> of	the fo	llowing rei	
			F (cor		de to a co	orrectio	n in an ea	arliar r	alaas	2 a) P	296		/ Phase 2 ase 1996)	
			B (add	lition of	feature),	nreciio	II III ali e	arner re	eicasi		.90 297	•	ase 1990) ase 1997)	
					nodificat		eature)				298	•	ase 1998)	
					odificatio		•				299	(Rele	ase 1999)	
							categori	es can			el-4		ease 4)	
		be fo	ound in	3GPP <u>1</u>	R 21.90	<u>0</u> .					Rel-5	•	ease 5)	
										K	Rel-6	(Rele	ase 6)	
		00	1. 0		-	(01				1			C 1 (l	
Reason	for chang	е: ж											tioned tha	
													CHANN	
													PRACH,	
													e tabular	9.1.3.2,
			the F	RACHI	E group	is pre	sent in e	every	PRA	CH LC	RIE g	roup.		
			In or	der to l	keep the	consi	stency v	vith th	e pro	ocedure	text, i	it is ne	ecessary	to clarify
													hould be	
										ne COI	MMON	I TRA	NSPOR1	Γ
			CHA	NNEL	SETUP	REQL	JEST m	essag	e.					
Cummor	u of obon	a.a. 90	ln ou	holous	0021	1 it io	alarified	that if	tha	DACH	IE aro	upo re	eceived ir	, the
Summar	y of chan	ge. m											ORT CH	
													e failure.	AININEL
			Imns	ict Ana	lveie:									
						towar	ds the n	revioi	IS VA	rsion of	f the s	necifi	cation (sa	ame
			relea		2001110111	towai	do trio p	10 1100	10 VC	131011 01	1 1110 0	pcom	oation (sc	1110
					can be	consid	dered isc	lated	beca	use the	e chan	aes o	nly affect	t the
							1cps TD					J	,	
			10.00	1.				ul- e		(D.) (SI I .	4 001	land TOO	
	uences if	Ж										1.28N	lcps TDD	mode
not appr	ovea:		will r	ot be s	ame as	me s	<mark>becific in</mark>	ше р	roce	uure te	XI.			
Clauses	affected:	*	8.2.1	.4										
	35.00.													
			YN								_			
Other sp	ecs	\mathfrak{R}	X	Other	core sp	ecifica	ations	\mathbf{x}	CR	779 TS	25.43	33 v4.	6.0	

affected:	X Test specifications O&M Specifications
Other comments:	₩

- 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.

8.2.1 Common Transport Channel Setup

/* partly omitted */

8.2.1.4 Abnormal Conditions

If the COMMON TRANSPORT CHANNEL SETUP REQUEST message contains the *Secondary CCPCH* IE, and that IE contains [FDD – neither the *FACH Parameters* IE nor the *PCH Parameters* IE] [TDD – neither the *FACH* IE nor the *PCH* IE], the Node B shall reject the procedure using the COMMON TRANSPORT CHANNEL SETUP FAILURE message.

[FDD – If the COMMON TRANSPORT CHANNEL SETUP REQUEST message contains the *CD Sub Channel Numbers* IE, but the *CD Signatures* IE is not present, then the Node B shall reject the procedure using the COMMON TRANSPORT CHANNEL SETUP FAILURE message.]

[TDD – If the FACH CCTrCH Id IE or the PCH CCTrCH Id IE does not equal the SCCPCH CCTrCH Id IE, the Node B shall regard the Common Transport Channel Setup procedure as having failed and the Node B shall send the COMMON TRANSPORT CHANNEL SETUP FAILURE message to the CRNC.]

[TDD – If the *TDD Physical Channel Offset* IE, the *Repetition Period* IE, and the *Repetition Length* IE are not equal for each SCCPCH configured within the CCTrCH, the Node B shall regard the Common Transport Channel Setup procedure as having failed and the Node B shall send the COMMON TRANSPORT CHANNEL SETUP FAILURE message to the CRNC.]

[1.28Mcps TDD – If the *Common Transport Channel ID* IE, and the *Transport Format Set* IE are not equal for each RACH configured in PRACH, the Node B shall regard the Common Transport Channel Setup procedure as having failed and the Node B shall send the COMMON TRANSPORT CHANNEL SETUP FAILURE message to the CRNC.]

If the state is already Enabled or Disabled [6] for at least one channel in the COMMON TRANSPORT CHANNEL SETUP REQUEST message which is received, the Node B shall reject the configuration of all channels with the *Cause* IE set to "Message not compatible with receiver state".

If the COMMON TRANSPORT CHANNEL SETUP REQUEST message contains the *Transport Layer Address* IE or the *Binding ID* IE, and not both are present for a transport channel intended to be established, the Node B shall reject the procedure using the COMMON TRANSPORT CHANNEL SETUP FAILURE message.