TSG RAN Meeting #25
Palm Springs, USA, 07 - 09 September 2004

RP-040296

Title CRs (Rel-5 and Rel-6 Category A) to TS 25.411, TS 25.415 and TS 25.430

Source TSG RAN WG3

Agenda Item 7.4.5

RAN3 Tdoc	Spec	curr. Vers.	new Vers.	CR	Rev	Cat	Rel	Title	Work item
R3-041088	25.411	5.0.0	5.1.0	14	-	F	Rel-5	Correction of optical interfaces	TEI5
R3-041089	25.411	6.0.0	6.1.0	15	-	Α	Rel-6	Correction of optical interfaces	TEI5
R3-041106	25.415	5.3.0	5.4.0	119	-	F	Rel-5	Clarification of padding after odd number of IPTIs	TEI5
R3-041107	25.415	6.0.0	6.1.0	120	-	Α	Rel-6	Clarification of padding after odd number of IPTIs	TEI5
R3-041146	25.430	5.3.0	5.4.0	54	-	F	Rel-5	Clarification on the Uplink Power Control for 1.28Mcps TDD	TEI5
R3-041147	25.430	6.1.0	6.2.0	55	-	A	Rel-6	Clarification on the Uplink Power Control for 1.28Mcps TDD	TEI5

3GPP TSG-RAN3 Meeting #43 Prague, Czech Republik, 16th-20th August 2004

Tdoc #R3-041088

CHANGE REQUEST											
*	25.411 CR	14	≋rev	-	\mathfrak{H}	Current version:	5.0.0	*			

*	5.411 CR 14 # rev - # Current version: 5.0.0	;					
For <u>HELP</u> on u	g this form, see bottom of this page or look at the pop-up text over the 光 symbo	ols.					
Proposed change	ects: UICC apps# ME Radio Access Network X Core Netw	ork X					
Title: ж	Correction of optical interfaces						
Source: ೫	AN3						
Work item code: 第	El5 Date: 第 16/08/2004						
Category:	Release: Release: REL-5 The end 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) Tailed explanations of the above categories can found in 3GPP TR 21.900. REL-5 Use one of the following release 2 (Release 1996) R97 (Release 1997) R98 (Release 1998) R99 (Release 1999) Rel-6 (Release 5) Rel-6 (Release 6)	es:					
Reason for change	The reference for the optical interface given in the specification when STM-4 is used	d is not					
	applicable to the synchrnous digital hierarchy STM-4. The optical interface to be us with STM-4 is therefore currently undefined.	ed					
Summary of chang	The optical interface to be used with STM-4 is defined as the S-4.1 as defin G.957.	ed in					
	Impact assessment towards the previous version of the specification (same release):						
	This CR has isolated impact towards the previous version of the specification (same release).	on					
	This CR has an impact under functional point of view.						
	The impact can be considered isolated because it only affects the physical interface.						
Consequences if not approved:	The optical interface to be used when using STM-4 is not defined and there can lead to the failure of the interworking.	tore					

Clauses affected: # 4.2.1

Other specs affected:	¥	X	X X	Other core specifications Test specifications O&M Specifications	6.0.0 CR015
Other comments:	\mathbb{H}				

How to create CRs using this form:

Comprehensive information and tips about how to create CRs can be found at http://www.3gpp.org/specs/CR.htm. Below is a brief summary:

- 1) Fill out the above form. The symbols above marked # contain pop-up help information about the field that they are closest to.
- 2) Obtain the latest version for the release of the specification to which the change is proposed. Use the MS Word "revision marks" feature (also known as "track changes") when making the changes. All 3GPP specifications can be downloaded from the 3GPP server under ftp://ftp.3gpp.org/specs/ For the latest version, look for the directory name with the latest date e.g. 2001-03 contains the specifications resulting from the March 2001 TSG meetings.
- 3) With "track changes" disabled, paste the entire CR form (use CTRL-A to select it) into the specification just in front of the clause containing the first piece of changed text. Delete those parts of the specification which are not relevant to the change request.

4.2 Layer 1 Description

4.2.1 Layer 1 Synchronised

When the Layer 1 Synchronised option is used (i.e. PDH/SDH/SONET links), the following requirements shall be met:

Layer 1 reference configuration shall be according to ITU-T Recommendation I.432.1 [6].

The physical layer is divided into:

- Physical Media Dependent (PMD) sublayer;
- Transmission Convergence (TC) sublayer defined according to ITU-T Recommendation I.432.1 [6].

The PMD shall comply with at least one of the following standards:

- ETSI STM-4 (622 Mb/s) interface according to I.432.2 [1] with optical S-14.1 interface according to G.957 [5].
- SONET STS-12c (622 Mb/s) interface according to ANSI, T1.105-1995 with optical multimode.
- SONET STS-3c (155 Mb/s) interface according to ANSI, T1.105-1995 with optical multimode.
- ETSI STM-1 (155 Mb/s) interface according to I.432.2 [1] with electrical interface (CMI) to G.703 [3].
- ETSI STM-1 (155 Mb/s) interface according to I.432.2 [1] with optical S-1.1 interface according to G.957 [5].
- ITU STS-1 (51 Mb/s) interface according to ANSI, T1.105-1995 with electrical interface.
- ITU STM-0 (51 Mb/s) interface according to ETSI/TTC with electrical interface.
- ITU STM-0 (51 Mb/s) interface according to ETSI/TTC with optical S-1.1 interface according G.957 [5].
- J2, 6.3 Mb/s interface according to Japanese standard JT-G.703 [3] and JT-G.704 [4] (75 Ohm).

NOTE: J2 requires that the ATM cells be mapped into the physical layer according to HEC based mapping in G.804.

- E2, 8Mb/s according to ETSI/ITU G.703 [3] and G.704 [4] (75 Ohm).
- E3, 34 Mb/s interface according to ETSI/ITU G.751 [15] (75 Ohm).
- T3, 45 Mb/s interface according to ANSI/ITU G.703 [3] and G.704 [4] (75 Ohm).
- E1, 2Mb/s interface balanced 120 Ohm symmetrical according to ETS 300 420, ITU-T G.704 [4] and TBR 013 (G.703) [3], and AF-PHY-0064.000 [13]
- E1, 2Mb/s according to ETSI/ITU G.703 [3] and G.704 [4] (75 Ohm), and AF-PHY-0064.000 [13].
- J1, 1.5 Mb/s interface according to Jt-431-a (100 Ohm).
- J1, 1.5 Mb/s interface according to JT-G.703 [3] and JT-G.704 [4] (110 Ohm).
- T1, 1.5 Mb/s interface according to AF-PHY-0016.000 [10] and ANSI/ITU G.703 [3] and G.704 [4] (100 Ohm).

Services provided to the upper layer shall be independent from the used underlying technology.

The support of intervening transport networks - like PDH or SDH terrestrial links, Point-to-point or Point-to-Multipoint radio links - shall not be prevented.

When using E1, T1, or J1, it shall be possible to use inverse multiplexing of ATM (IMA) [14] within suitable subsets of the physical ports on the respective Exchange Termination (ET).

The jitter and wander performance requirements on the interface shall be in accordance with either Reference [7], [8] or [9], whichever is applicable.

The synchronisation reference extracted from the I_u may be used as UTRAN synchronisation reference. A general recommendation is to supply a traceable synchronisation reference according to reference [16].

Transmission quality control shall be provided according to ITU-T Recommendation G.826 [10].

3GPP TSG-RAN3 Meeting #43 Prague, Czech Republik, 16th-20th August 2004

Tdoc #R3-041089

	C	HANGI	E REQ	UES	ST			CR-Form-v7
*	25.411 CR	015	жrev	-	Ж	Current version:	6.0.0	*

#	25.	411 (CR	015	≋rev	-	\mathfrak{H}	Current vers	sion:	6.0.0	¥
For <u>HELP</u> on	using t	this form	n, see bo	ottom of th	is page or	look a	t the	pop-up text	t over	r the ℋ sy	mbols.
Proposed change	affect	ts: Ul	CC app	s# <mark> </mark>	ME	Radi	o Ac	cess Netwo	ork <mark>X</mark>	Core N	etwork X
Title:	€ Cor	rection o	of optica	al interface	es						
Source:	€ RAI	N3									
Work item code: 3	⊮ TEI	5						Date: ₩	16	/08/2004	
Reason for chang	Detai be fo	F (correct A (correct B (additi C (functi D (editor led explat und in 30 The refer applicab	ction) sponds to sponds to sponds to sponds to spond to s	ature), dification o fication) of the above 21.900. the optical synchrnou	ion in an ea f feature) ve categorie	es can given in	the s	R97 R98 R99 Rel-4 Rel-5 Rel-6	f the fa (GSi (Rela (Rela (Rela (Rela (Rela (Rela when	M Phase 2, ease 1996, ease 1997, ease 1999, ease 4) ease 6) STM-4 is))))) used is not
Summary of chan	ge: Ж	The op G.957.		erface to I	oe used wi	th STM	/I-4 is	defined as	the S	S-4.1 as d	efined in
		Impact assessment towards the previous version of the specification (same release): This CR has isolated impact towards the previous version of the specification (same release). This CR has an impact under functional point of view. The impact can be considered isolated because it only affects the physical interface.									
Consequences if not approved:	Ж				oe used when the second			TM-4 is not	defir	ned and th	erefore
not approved:		can lea	au to the	ranure of	the interw	orking					

Clauses affected: # 4.2.1

Other specs affected:	¥	X	Χ	Other core specifications Test specifications O&M Specifications	
Other comments:	\aleph				

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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.

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- SONET STS-3c (155 Mb/s) interface according to ANSI, T1.105-1995 with optical multimode.
- ETSI STM-1 (155 Mb/s) interface according to I.432.2 [1] with electrical interface (CMI) to G.703 [3].
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- ITU STS-1 (51 Mb/s) interface according to ANSI, T1.105-1995 with electrical interface.
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- ITU STM-0 (51 Mb/s) interface according to ETSI/TTC with optical S-1.1 interface according G.957 [5].
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NOTE: J2 requires that the ATM cells be mapped into the physical layer according to HEC based mapping in G.804.

- E2, 8Mb/s according to ETSI/ITU G.703 [3] and G.704 [4] (75 Ohm).
- E3, 34 Mb/s interface according to ETSI/ITU G.751 [15] (75 Ohm).
- T3, 45 Mb/s interface according to ANSI/ITU G.703 [3] and G.704 [4] (75 Ohm).
- E1, 2Mb/s interface balanced 120 Ohm symmetrical according to ETS 300 420, ITU-T G.704 [4] and TBR 013 (G.703) [3], and AF-PHY-0064.000 [13]
- E1, 2Mb/s according to ETSI/ITU G.703 [3] and G.704 [4] (75 Ohm), and AF-PHY-0064.000 [13].
- J1, 1.5 Mb/s interface according to Jt-431-a (100 Ohm).
- J1, 1.5 Mb/s interface according to JT-G.703 [3] and JT-G.704 [4] (110 Ohm).
- T1, 1.5 Mb/s interface according to AF-PHY-0016.000 [10] and ANSI/ITU G.703 [3] and G.704 [4] (100 Ohm).

Services provided to the upper layer shall be independent from the used underlying technology.

The support of intervening transport networks - like PDH or SDH terrestrial links, Point-to-point or Point-to-Multipoint radio links - shall not be prevented.

When using E1, T1, or J1, it shall be possible to use inverse multiplexing of ATM (IMA) [14] within suitable subsets of the physical ports on the respective Exchange Termination (ET).

The jitter and wander performance requirements on the interface shall be in accordance with either Reference [7], [8] or [9], whichever is applicable.

The synchronisation reference extracted from the I_u may be used as UTRAN synchronisation reference. A general recommendation is to supply a traceable synchronisation reference according to reference [16].

Transmission quality control shall be provided according to ITU-T Recommendation G.826 [10].

3GPP TSG-RAN WG3 Meeting #43 Prague, Czech Republic, 16th - 20th August 2004

Tdoc #R3-041106

	(CHANGE	REQ	UE	ST		C	CR-Form-v7.1
×	25.415 CR	119	жrev	-	Ж	Current version:	5.3.0	ж
- 11	IELD to . ata to							

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

Proposed chan	ge (affects:	UICC apps ⋇ M	ЛЕ <mark>Radio Ad</mark>	cess Netwo	rk X Core Network X
Title:	\mathbb{H}	Clarific	ation of padding after odd n	umber of IPTIs		
Source:	\mathbb{H}	RAN3				
Work item code	<i>:</i>	TEI5			Date: ₩	09/08/2004
Category:	\aleph	F			Release: %	Rel-5
		Use <u>one</u>	of the following categories:		Use <u>one</u> of	the following releases:
		٠,	correction)		Ph2	(GSM Phase 2)
			corresponds to a correction in	an earlier release		(Release 1996)
			addition of feature),		R97	(Release 1997)
		•	functional modification of featu	ıre)	R98	(Release 1998)
			editorial modification)		R99	(Release 1999)
			explanations of the above cate	egories can	Rel-4	(Release 4)
		be found	oe found in 3GPP <u>TR 21.900</u> .		Rel-5	(Release 5)
					Rel-6	(Release 6)
					Rel-7	(Release 7)

Reason for change: ₩

It is not clearly stated if padding will be added after an odd number of IPTIs in the INITIALISATION control frame. Figure 24 however indicates that "Iu UP Mode Versions supported (bitmap)" field is octet aligned and the description of the field in section 6.6.3.25 clearly states that this is the case.

"Value range:

Each bit, in the two octet field, indicates a Iu UP Protocol version: (First octet, bit 7) indicates version 16, (Second octet, bit 0) indicates version 1."

In order to ensure that the "lu UP Mode Versions supported (bitmap)" field is octet aligned also when an odd number of IPTIs are to be signalled then 4 padding bits needs to be added after the last IPTI value for this case.

Summary of change: ₩

Clarify figure 24 to explicitly mention the inclusion of 4 padding bits in case of an odd number of IPTIs.

<u>Impact assessment towards the previous version of the specification (same release):</u>

This CR has isolated impact on the previous version of the specification (same release).

This CR has an impact under protocol point of view.

The impact can be considered as isolated as it affects only establishment of NT CS data RABs with an odd number of IPTIs.

Consequences if not approved:	# Potential IOT issues for NT CS Data RABs using an odd number of IPTIs.
Clauses affected:	₩ 6.6.2.3.4.1
	YN
Other specs	X Other core specifications × 25 415 CR120 Rel-6

 \mathfrak{H} Other comments:

affected:

How to create CRs using this form:

Comprehensive information and tips about how to create CRs can be found at http://www.3gpp.org/specs/CR.htm. Below is a brief summary:

Test specifications **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.

6.6.2.3.4.1 Initialisation

Figure 24 specifies how the INITIALISATION control frame is coded.

			В	its				Number of Octets	
7	6	5	4	3	2	1	0	s of	
	PDU Ty	rpe (=14)		Ack/Na I.e. Pro	ack (=0. cedure)	Fra	ype 14 ime nber	1	Frame Control Part
I	u UP Mo	de versio	n	Pro	cedure Ir	ndicator ((=0)	1	
		2	Frame Checksum part						
			Payloa	ad CRC					
	Spare TI Number of subflows per Chain RFCI (N) Ind								Frame payload
LRI	LI		1	part					
		1 or 2 (dep. LI)							
		Lei	ngth of su	ubflow 2 to	o N			(N-1)x(1 or 2)	
LRI	LI			2 nd F	RFCI			1	
		I	Length of	subflow	1			1 or 2 (dep. LI)	
		Lei	ngth of su	ubflow 2 to	o N			(N-1)x(1 or 2)	
			-						
	IPTI of 3	1 st RFCI			IPTI of 2 nd RFCIIPTI of M th RFCI or Padding				
	lu	UP Mode	Version	s support	ed (bitma	ap)		2	
	Data P	DU type			Sp	are		1	
			Spare e	extension				0-32	

Figure 24: lu UP PDU Type 14 used for Initialisation

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Tdoc #R3-041107

	(CHAN	GE REQ	UES ⁻	Γ	(CR-Form-v7.1
H	25.415 CR	120	жrev	- #	Current version:	6.0.0	¥
For HEL	P on using this form, see	e bottom c	of this page or i	look at t	he pop-up text over	r the Ж svr	mbols.

Proposed change affects: UICC apps# ME Radio Access Network X Core Network X

,	•			
Title:	\mathfrak{R}	Clarification of padding after odd number of IPTIs		
Source:	\mathfrak{R}	RAN3		
Work item code	· #	TEI5	Date: ₩	09/08/2004
			24.0	00,00,00
Category:	\mathfrak{R}	A	Release: #	Rel-6
		Use <u>one</u> of the following categories: F (correction) A (corresponds to a correction in an earlier release B (addition of feature), C (functional modification of feature) D (editorial modification) Detailed explanations of the above categories can be found in 3GPP TR 21.900.	$P\overline{h2}$	the following releases: (GSM Phase 2) (Release 1996) (Release 1997) (Release 1998) (Release 1999) (Release 4) (Release 5) (Release 6) (Release 7)

Reason for change: # It is not clearly stated if padding will be added after an odd number of IPTIs in the INITIALISATION control frame. Figure 24 however indicates that "Iu UP Mode Versions supported (bitmap)" field is octet aligned and the description of the field in section 6.6.3.25 clearly states that this is the case.

"Value range:

Each bit, in the two octet field, indicates a Iu UP Protocol version: (First octet, bit 7) indicates version 16, (Second octet, bit 0) indicates version 1."

In order to ensure that the "Iu UP Mode Versions supported (bitmap)" field is octet aligned also when an odd number of IPTIs are to be signalled then 4 padding bits needs to be added after the last IPTI value for this case.

Summary of change: ₩

Clarify figure 24 to explicitly mention the inclusion of 4 padding bits in case of an odd number of IPTIs.

Impact assessment towards the previous version of the specification (same release):

This CR has isolated impact on the previous version of the specification (same

This CR has an impact under protocol point of view.

The impact can be considered as isolated as it affects only establishment of NT CS data RABs with an odd number of IPTIs.

Potential IOT issues for NT CS Data RABs using an odd number of IPTIs.

not approved:						
_						
Clauses affected:	\mathfrak{H}	6.6.2	2.3.4.1			
	_		_			
		YN				
Other specs	\mathfrak{R}	Х	Other core specifications	${\mathfrak R}$	25.415 CR119 Rel-5	
affected:		X	Test specifications			

Other comments: #

Consequences if

How to create CRs using this form:

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O&M Specifications

- 1) Fill out the above form. The symbols above marked \$\mathbb{H}\$ 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.

6.6.2.3.4.1 Initialisation

Figure 24 specifies how the INITIALISATION control frame is coded.

		Number of Octets							
7	6	5	4	3	2	1	s of		
	PDU Ty	rpe (=14)		Ack/Na I.e. Pro	ack (=0. cedure)	PDU T Fra Nun	1	Frame Control Part	
	Iu UP Mode version Procedure Indicator (=0)								
	Payload CRC Header CRC								Frame Checksum part
				ad CRC			a		_
	Spare		TI		r of subflo RFCI (N)	ws per	Chain Ind	1	Frame payload
LRI	LI			1 st R	RFCI			1	part
		1 or 2 (dep. LI)							
		(N-1)x(1 or 2)							
LRI	LI			2 nd F	RFCI			1	
			1 or 2 (dep. LI)						
		Lei	ngth of su	ubflow 2 to	o N			(N-1)x(1 or 2)	
		1 st RFCI	-		IPTL of 2^r	-	0 or M/2 (M: Number of RFCIs in frame). Ended by 4 padding bits if M is odd.		
Iu UP Mode Versions supported (bitmap)								2	
	Data P	DU type			Sp	are		1	
		0-32							

Figure 24: lu UP PDU Type 14 used for Initialisation

			(CHAN	IGE	RE	วบเ	EST	Γ				CR-Form-V7.1
*	25.	.430	CR	54		жrev	-	æ	Curr	ent vers	sion:	5.3.0	#
For <u>HELP</u> on u	using t	his forr	m, see	bottom	of this	s page o	or looi	k at th	пе рор	o-up text	t over	the	mbols.
Proposed change				pps#		ME					rk X	Core N	etwork
Title: #	Cla	rificatio	on on t	he Uplin	k Pow	ver Con	rol fo	r 1.28	3Mcps	TDD			
Source: #	RAI	N3											
Work item code: ₩	TEI	5								Date: ₩	10/	08/2004	
Category: अ	F Use one of the following categories: Release: Release: Release: Release: Use one of the following categories:									el-5 following releases: M Phase 2)			
A (corresponds to a correction in an earlier release) R96 (Release) B (addition of feature), R97 (Release) C (functional modification of feature) R98 (Release) D (editorial modification) R99 (Release) Detailed explanations of the above categories can Rel-4 (Release) be found in 3GPP TR 21.900. Rel-5 (Release)										ease 1996 ease 1997 ease 1998 ease 1999 ease 4) ease 5))))		
Reason for change	Rel-7 (Release 7)												
		UE.											
Summary of change: Indicate that the inner loop power control of 1.28Mcps TDD is located in Impact Analysis: Impact assessment towards the previous version of the specification (sa release): The impact can be considered isolated because the change affects only loop power control for 1.28Mcps TDD.										ame			
Consequences if not approved:	\mathfrak{H}			ment is n control f					ld cau	se som	e con	fusion of	the inner
Clauses affected:	¥	5.2.6.	1										
Other specs affected:	*	Y N X X	Other	core spesificates	tions		ж	TS2	25.430) CR55	Rel-6		
Other comments:	\mathbb{H}												

How to create CRs using this form: Comprehensive information and tips about how to create CRs can be found at http://www.3gpp.org/specs/CR.htm. Below is a brief summary:

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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.

5.2.6.4 UpLink Power Control

This function controls the level of the transmitted power in order to minimise interference and keep the quality of the connections. The function uplink Outer Loop Power Control located in the SRNC sets the target quality for the uplink Inner Loop Power Control function. In FDD and 1.28Mcps TDD, Inner Loop Power Control Function is located in Node B, while in 3.84Mcps TDD it is located in the UE.

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Proposed change			ICC ap	· <u> </u>		ME			ccess N		X (Core Ne	etwork
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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) Page 1 D (editorial modification) Ph2 (GSM Phane) R96 (Release 1 R97 (Release 1 R98 (Release 1 R99 (Release 1										Phase 2) e 1996) e 1997) e 1998) e 1999) e 4) e 5)			
Reason for change	e: #	For 1 UE.	28Mcp	s TDD, t	he ini	ner loop	pow	er co	ntrol is lo	ocated i	in Noo	de B, n	ot in the
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How to create CRs using this form: Comprehensive information and tips about how to create CRs can be found at http://www.3gpp.org/specs/CR.htm. Below is a brief summary:

- 1) Fill out the above form. The symbols above marked \(\mathcal{H} \) 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.

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