#### **RP-050259**

#### 3GPP TSG RAN Meeting #28 Quebec, Canada, 1 - 3 June 2005

# TitleCRs (Rel-5 & Rel-6) to 25.104 & 25.141 for the removal of 80 ms TTISourceNokiaAgenda Item7.7.1

WG Tdoc	Spec	CR	R	Cat	Rel	Curr Ver	Title	Work Item
R4-050608	25.104	239		С	Rel-5	5.9.0	Feature Clean-Up for TS25.104, 80 ms TTI	TEI5
R4-050609	25.104	240		С	Rel-6	6.8.0	Feature Clean-Up for TS25.104, 80 ms TTI	TEI6
R4-050610	25.141	375		С	Rel-5	5.9.0	Feature Clean-Up for TS25.141, 80 ms TTI	TEI5
R4-050611	25.141	376		С	Rel-6	6.8.0	Feature Clean-Up for TS25.141, 80 ms TTI	TEI6

		СНА	NGE	REQ	UE	ST			С	R-Form-v7.1
ж	<mark>TS 25.104</mark>	CR	<mark>239</mark>	жrev	-	ж	Current vers	ion: <b>5</b> .	9.0	ж
For <u>HELP</u> o	For <b>HELP</b> on using this form, see bottom of this page or look at the pop-up text over the <b>X</b> symbols.								nbols.	
Proposed chang	Proposed change affects: UICC apps# ME Radio Access Network X Core Network									
Title:	第 Feature C	Clean-Up for	TS25.104	, 80 ms	TTI					
		-								
Source:	策 Nokia									
Work item code	ະສ <mark>TEI-5</mark>						<i>Date:</i> ೫	25/5/2	005	
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Reason for change:	In RAN4#34 removal of some UTRAN features was proposed in order to simplify the specifications. CRs were approved in RAN4#35. Afterwards it was noted that '80 ms TTI for DCH' was not removed from TS25.104 and TS25.141.
Summary of change:	#         The feature '80 ms TTI for DCH' removed. 2048 kbps Reference Measurement           Channel, which has 80 ms TTI and SF4, removed from the Annex A.1 and A.6.
Consequences if not approved:	Coptional feature of BS will remain and may cause delays for UE testing time.
Clauses affected:	H Annex A.1, Annex A.6
Other specs affected:	Y       N         %       X         Other core specifications       %         X       Test specifications         X       O&M Specifications
Other comments:	H H H H H H H H H H H H H H H H H H H

- 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

# A.1 Summary of UL reference measurement channels

The parameters for the UL reference measurement channels are specified in Table A.1 and the channel coding is detailed in figure A.2 through A.6 respectively. Note that for all cases, one DPCCH shall be attached to DPDCH(s).

	Parameter	I	DCH for [	DTCH / DC	H for DCC	H	Unit	
DPDCH	Information bit rate	12.2/2.4	64/2.4	144/2.4	384/2.4	<del>2048/2.4</del>	kbps	
	Physical channel	60/15	240/15	480/15	960/15	<del>960/15</del>	kbps	
	Spreading factor	64	16	8	4	4		
	Repetition rate	22/22	19/19	8/9	-18/-17	<del>-7/-7</del>	%	
	Interleaving	20	40	40	40	<del>80</del>	ms	
	Number of DPDCHs	1	1	1	1	6		
DPCCH	Dedicated pilot		bit/slot					
	Power control		bit/slot					
	TFCI		2					
Spreading factor								
Power ratio of DPCCH/DPDCH		-2.69	-5.46	-9.54	-9.54	<del>-9.5</del> 4	dB	
An Di	nplitude ratio of PCCH/DPDCH	0.7333	0.5333	0.3333	0.3333	<del>0.3333</del>		

#### Table A.1: Reference measurement channels for UL DCH

The parameters for the UL reference measurement channel for 2048 kbps are specified in Table A.6 and the channel coding is detailed in Figure A.6.



Figure A.6: Channel coding for the UL reference measurement channel (2048 kbps)Void

Table A.6: U	L reference measurement channel	(2048kb)	<del>ps)</del>	Void

Parameter	Level	Unit
Information bit rate	<del>2048</del>	Kbps
DPCH-	<del>960</del>	Kbps
Power control	Off	
TECI	<del>On</del>	
Puncturing	7	%

		СНА	NGE	REQ	UE	ST	1		CR-Forn	m-v7.1
ж	<mark>TS 25.104</mark>	CR	<mark>240</mark> a	жrev	-	ж	Current vers	<sup>ion:</sup> 6.8.	<sup>೫</sup> 0	
For <u>HELP</u> o	For <u>HELP</u> on using this form, see bottom of this page or look at the pop-up text over the <b>#</b> symbols.								S.	
Proposed chang	ge affects:	UICC apps೫		ME	Rad	io A	ccess Networ	k X Core	Networl	k
Title:	Ж Feature (	Clean-Up for T	S25.104	l, 80 ms	TTI					
Source:	発 <mark>Nokia</mark>									
Work item code	:೫ <mark>TEI-6</mark>						<i>Date:</i> ೫	25/5/2005		
Category:	ж <mark>С</mark>						Release: Ж	Rel-6		
	Use <u>one</u> of	the following ca	ategories:				Use <u>one</u> of	the following	releases	:
	F (cor	rection)				,	Ph2	(GSM Phase	2)	
	A (CO) B (ad	responds to a c	orrection	in an ear	iler rei	lease	e) R96 R07	(Release 199 (Release 199	90) 07)	
	С (fur	ctional modifica	), ation of fea	ature)			R98	(Release 19)	98)	
	D (edi	torial modificati	on)				R99	(Release 19	99)	
	Detailed ex	planations of th	e ábove c	categories	s can		Rel-4	(Release 4)	*	
	be found in	3GPP <u>TR 21.9</u>	<u>00</u> .				Rel-5	(Release 5)		
							Rel-6	(Release 6)		
							Kel-7	(Release 7)		

Reason for change:	<ul> <li>In RAN4#34 removal of some UTRAN features was proposed in order to simplify the specifications. CRs were approved in RAN4#35. Afterwards it was noted that '80 ms TTI for DCH' was not removed from TS25.104 and TS25.141.</li> </ul>
Summary of change:	The feature '80 ms TTI for DCH' removed. 2048 kbps Reference Measurement Channel, which has 80 ms TTI and SF4, removed from the Annex A.1 and A.6.
Consequences if not approved:	B Optional feature of BS will remain and may cause delays for UE testing time.
Clauses affected:	Hannex A.1, Annex A.6
Other specs affected:	Y       N         X       Other core specifications       %         X       Test specifications       %         X       O&M Specifications       TS25.141
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

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# A.1 Summary of UL reference measurement channels

The parameters for the UL reference measurement channels are specified in Table A.1 and the channel coding is detailed in figure A.2 through A.6 respectively. Note that for all cases, one DPCCH shall be attached to DPDCH(s).

	Parameter	I	H	Unit				
DPDCH	Information bit rate	12.2/2.4	64/2.4	144/2.4	384/2.4	<del>2048/2.4</del>	kbps	
	Physical channel	60/15	240/15	480/15	960/15	<del>960/15</del>	kbps	
	Spreading factor	64	16	8	4	4		
	Repetition rate	22/22	19/19	8/9	-18/-17	<del>-7/-7</del>	%	
	Interleaving	20	40	40	40	<del>80</del>	ms	
	Number of DPDCHs	1	1	1	1	¢		
DPCCH	Dedicated pilot		bit/slot					
	Power control		bit/slot					
	TFCI		2					
Spreading factor								
Power ratio of DPCCH/DPDCH		-2.69	-5.46	-9.54	-9.54	<del>-9.5</del> 4	dB	
An Di	nplitude ratio of PCCH/DPDCH	0.7333	0.5333	0.3333	0.3333	<del>0.3333</del>		

Table A.1: Reference measuremen	t channels for UL DCH
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The parameters for the UL reference measurement channel for 2048 kbps are specified in Table A.6 and the channel coding is detailed in Figure A.6.



Figure A.6: Channel coding for the UL reference measurement channel (2048 kbps)Void

Table A.C. OL reference measurement channel (2040KDp5) VOID	Table A.6: UI	- reference measurement channel (	2048kb	<del>ps)</del>	Void
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Parameter	Level	Unit
Information bit rate	<del>2048</del>	Kbps
DPCH-	<del>960</del>	Kbps
Power control	Off	
TECI	On	
Puncturing-	7	%

										orm-v7.1			
ж	TS	<b>25.141</b>	CR	37	<mark>ั5</mark>	rev	-	ж	Current vers	sion:	5.9.0	ж	
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Proposed chan	ge a	nffects: l	JICC a	apps#		ME	Rac	dio A	ccess Netwo	rk 🗙	Core N	etwo	ork
Title:	ж	Feature C	Clean-L	Jp for TS25.	141, 8	<mark>80 ms</mark>	TTI						
Source:	ж	Nokia											
Work item code	: X	TEI-5							<i>Date:</i> ₩	25	/5/2005		
Category:	æ	C Use <u>one</u> of F (con A (cor B (add C (fun D (edi Detailed exp be found in	the follo rection) respon- dition of ctional torial m blanatic 3GPP	owing categor ds to a correc f feature), modification c odification) ons of the abo <u>TR 21.900</u> .	ies: tion in of feat ve cat	n an ear ure) tegories	rlier re s can	elease	Release: # Use <u>one</u> of Ph2 R96 R97 R98 R99 Rel-4 Rel-5 Rel-6 Rel-7	the fo (GSi (Rel (Rel (Rel (Rel (Rel (Rel (Rel (Rel	el-5 ollowing re M Phase 2 ease 1996 ease 1997 ease 1999 ease 4) ease 5) ease 5) ease 6) ease 7)	lease ) ) )	25:

Reason for change: 🖁	In RAN4#34 removal of some UTRAN features was proposed in order to simplify the specifications. CRs were approved in RAN4#35. Afterwards it was noted that '80 ms TTI for DCH' was not removed from TS25.104 and TS25.141.						
Summary of change: <b>\$</b>	The feature '80 ms TTI for DCH' removed. 2048 kbps Reference Measurement Channel, which has 80 ms TTI and SF4, removed from the Annex A.1 and A.6.						
Consequences if not approved:	Optional feature of BS will remain and may cause delays for UE testing time.						
Clauses affected: \$	Annex A.1, Annex A.6						
Other specs affected:	Y       N         X       Other core specifications         X       Test specifications         X       O&M Specifications						
Other comments: 3	6						

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NOTE: For all cases, one DPCCH shall be attached to DPDCH(s).

	Parameter		Unit						
DPDCH	Information bit rate	12,2/2,4	64/2,4	144/2,4	384/2,4	<del>2048/2,4</del>	kbps		
	Physical channel	60/15	240/15	480/15	960/15	<del>960/15</del>	kbps		
	Spreading factor	64	16	8	4	4			
	Repetition rate	22/22	19/19	8/9	-18/-17	<del>-7/-7</del>	%		
	Interleaving	20	40	40	40	<del>80</del>	ms		
	Number of DPDCHs	1	1	1	1	6			
DPCCH	DPCCH Dedicated pilot Power control		6						
			2						
	TFCI		bit/slot						
	FBI		bit/slot						
	Spreading factor								
Power ratio of DPCCH/DPDCH		-2,69	-5,46	-9,54	-9,54	<del>-9,54</del>	dB		
Amplitude ratio of		0,7333	0,5333	0,3333	0,3333	<del>03333</del>			
DPCCH/DPDCH									
Note:	Combination of TFCI bit of 0 bit/slot and FBI bit of 2 bit /slot is applied in test of Site								
	Selection Diversity Transmission specified in 8.10.								

Table A.1: Reference measuremet channels for UL DCH

The parameters for the UL reference measurement channel for 2 048 kbps are specified in table A.6 and the channel coding is detailed in figure A.6.





Parameter	Level	Unit
Information bit rate	<del>2 048</del>	kbps
DPCH-	<del>960</del>	kbps
Power control	<del>Off</del>	
TECI	<del>On</del>	
Puncturing	7	<del>%</del>

æ	TS	25.141	CR	370	<mark>6</mark> жre	ev	-	ж	Current ver	sion:	6.8.0	ж
For <u>HELP</u> of	For <b><u>HELP</u></b> on using this form, see bottom of this page or look at the pop-up text over the <b>#</b> symbols.											
Proposed chan	ge a	affects: l	JICC a	opps#	ME	E 🗾 I	Rac	lio A	ccess Netwo	vrk <mark>X</mark>	Core N	etwork
Title:	Ж	Feature C	Clean-L	Jp for TS25.1	41,80	ms T	TI					
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Work item code	e: X	TEI-6							<i>Date:</i> ଖ	25 25	5/2005	
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Clauses affected:	# Annex A.1, Annex A.6
Other specs	YNKXXOther core specificationsXTest specificationsXO&M Specifications
Other comments:	ĸ

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	Parameter		Unit						
DPDCH	Information bit rate	12,2/2,4	64/2,4	144/2,4	384/2,4	<del>2048/2,4</del>	kbps		
	Physical channel	60/15	240/15	480/15	960/15	<del>960/15</del>	kbps		
	Spreading factor	64	16	8	4	4			
	Repetition rate	22/22	19/19	8/9	-18/-17	<del>-7/-7</del>	%		
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DPCCH	DPCCH Dedicated pilot Power control		6						
			2						
	TFCI		bit/slot						
	FBI		bit/slot						
	Spreading factor								
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Amplitude ratio of		0,7333	0,5333	0,3333	0,3333	<del>03333</del>			
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	Selection Diversity Transmission specified in 8.10.								

Table A.1: Reference measuremet channels for UL DCH

The parameters for the UL reference measurement channel for 2 048 kbps are specified in table A.6 and the channel coding is detailed in figure A.6.





Parameter	Level	Unit
Information bit rate	<del>2 048</del>	kbps
DPCH-	<del>960</del>	kbps
Power control	<del>Off</del>	
TECI	<del>On</del>	
Puncturing	7	<del>%</del>