### **3GPP TSG RAN Meeting #28**

RP-050267

Quebec, Canada, 1 - 3 June 2005

Title CRs to 34.108 for approval Batch 1

Source 3GPP TSG RAN WG5 (Testing)

Agenda Item 7.6.5

WG Tdoc	Spec	CR	R	Cat	Rel	Curr Ver	Title	Work Item
R5-050618	34.108	399	-	F	Rel-5	5.4.0	Additional call setup procedures for inter RAT RRM testing	TEI
R5-050704	34.108	400	-	F	Rel-5	5.4.0	CR to 34.108: Correction to RADIO BEARER SETUP message for BTFD RMC	TEI
R5-050811	34.108	401	-	F	Rel-5	5.4.0	CR to 34.108: Correction to reference radio conditions for GSM	TEI
R5-050856	34.108	402	-	F	Rel-5	5.4.0	Addition of RADIO BEARER SETUP Messages for Auxiliary Measurement	TEI
R5-050836	34.108	403	-	В	Rel-5	5.4.0	Addition of GPS scenario and assistance data for A-GPS performance tests in 34.108	TEI
R5-050709	34.108	404	-	F	REL-5	5.4.0	CR 34.108 Addition of specific message content to A-GPS performance test procedures in clause 7.5	TEI
R5-050663	34.108	405	-	F	Rel-5	5.4.0	CR to 34.108 Rel-5: Clarification of generic setup procedures in section 7.3.4	TEI
R5-050513	34.108	406	-	F	Rel-5	5.4.0	Removal of TGPL2	TEI
R5-050525	34.108	407	-	F	Rel-5	5.4.0	Addition of compressed mode pattern for Inter Frequency FDD measurement & Inter RAT measurement GSM	TEI
R5-050608	34.108	408	-	F	Rel-5	5.4.0	Correction to MIB, PLMN and Cell Value Tag Value Definition to 34.108	TEI
R5-050613	34.108	409	-	F	Rel-5	5.4.0	CR to 34.108 Rel-5: Corrections to the contents of System Information Block type 11 (3.84 Mcps and 1.28 Mcps TDD) in section 6.1.0b	TEI

WG Tdoc	Spec	CR	R	Cat	Rel	Curr Ver	Title	Work Item
R5-050619	34.108	410	-	F	Rel-5	5.4.0	CR to 34.108 Rel-5: Corrections to the usage of 'Cell info' IE in System Information Block type 11 in section 6.1.4 for TDD cell	TEI
R5-050620	34.108	411	-	F	Rel-5	5.4.0	CR to 34.108 Rel-5: Corrections to the contents of System Information Block type 5 (1.28 Mcps TDD)	TEI
R5-050638	34.108	412	-	F	Rel-5	5.4.0	Update to clause 8 Test USIM Parameters	TEI
R5-050662	34.108	413	-	F	Rel-5	5.4.0	CR to 34.108 Rel-5: Update of SIB3, SIB4, SIB11 and SIB12 for TDD in section 6.1.0b	TEI
R5-050677	34.108	414	-	F	Rel-5	5.4.0	CR to 34.108: Correction to TFCS	TEI
R5-050724	34.108	415	-	F	Rel-5	5.4.0	CR to TS34.108 Rel-5; Correction to the physical channel parameter	TEI
R5-050947	34.108	416	-	F	Rel-5	5.4.0	Correction to default SIB configurations	TEI
R5-050600	34.108	417	-	F	Rel-5	5.4.0	CR to 34.108: Missing Rel-5 IE's in the default Radio Bearer Setup message at section 9.1.1.	TEI
R5-050913	34.108	418	-	F	Rel-5	5.4.0	CR to TS34.108 Rel-5; Clarification of the reference TFCS for three RB multiplexing option (condition A9)	TEI

	CHANGE REQUEST											
[ <b>æ</b> ]	34.	108	CR 3	99	≋ re	v .	<b>-</b> [#]	Curre	nt versi	on:	5.4.0	[ <b>x</b> ]
For <u>HELP</u> on u	using ti	his forn	n, see bo	ottom of t	this page	or loo	k at th	пе рор-и	up text o	over t	the <mark></mark>	ymbols.
Proposed change affects: UICC apps   ME X Radio Access Network Core Network												
Title:	Add	itional	call setu	p proced	lures for	inter R	AT RI	RM testi	ing			
Source:	3GF	PP TSC	RAN W	/G5 (Tes	sting)							
Work item code: ₩	TEI							Da	ate: 🕱	11/4	1/2005	
Category:	Use <u>c</u> I I L Detail	(corre	ection) esponds t ition of fea tional mo orial modi	dification ( fication) of the abo	ction in ar of feature	)		Use P Se) R R R R R R	one of the control of	(GSM (Relea (Relea (Relea (Relea (Relea (Relea	-5 lowing re l Phase 2 ase 1996 ase 1997 ase 1999 ase 4) ase 5) ase 6) ase 7)	2) 3) 7) 3)
Reason for change	e:  #	up the	e core ne moving	etwork pr	ocedure: WCDM/	s in the A and (	UE. SSM i	The beh	aviour e	of RE	B_TEST	haviour of
Summary of chang	ge:⊯		onal call 3 in 34.		rocedure	s are a	dded,	to be u	sed by	RRM	1 tests 8	3.3.4 and
Consequences if not approved:	$\mathbb{H}$	UE m	ay fail R	RM test	cases 8.	3.4 and	1 8.3.5	5.3				
Clauses affected:	H	Section	on 7.3.1	updated,	new sec	ctions 7	7.3.7 a	and 7.3.	8 added	d		
Other specs affected:	<b> </b>	X	Test spe	ore speci ecification pecification	ns	æ	4	121				
Other comments:	$\mathbb{H}$											

#### **How to create CRs using this form:**

Comprehensive information and tips about how to create CRs can be found at <a href="http://www.3gpp.org/specs/CR.htm">http://www.3gpp.org/specs/CR.htm</a>. 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 <a href="ftp://ftp.3gpp.org/specs/">ftp://ftp.3gpp.org/specs/</a>. 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.

#### 7.3.1 UE Test States for RF testing

In this clause, the states of the UE for the test are defined.

		RRC	CC	MM	SM	GMM
State1	Power OFF		null	detached	inactive	detached
State2	CS Registered Idle Mode	idle	null	idle	inactive	detached
State3	PS Registered Idle Mode	idle	null	detached	inactive	idle
State4	Test Mode	connected	null	detached	inactive	detached
State5	Circuit Switched Connect	connected	<u>active</u>	connected	inactive	same as previous state
State6	Packet Switched Connect	connected	<u>null</u>	same as previous state	<u>active</u>	connected

### >>> Sections 7.3.2 to 7.3.6 unchanged <<<

#### 7.3.7 Test procedure for inter-RAT handover used in RRM testing

#### 7.3.7.1 Initial conditions

#### System Simulator:

- 2 cells, default parameters according to Cell 1 and Cell 9 in clause 6.1.4.

#### UserEquipment:

- The UE shall be initially operated under the normal RF test conditions if not otherwise stated in the initial conditions for the actual test case.
- The Test-USIM shall be inserted.
- The UE has a valid TMSI (CS) after the execution of the procedure described in clause 7.2.2.1.
- The UE has a valid P-TMSI (PS) after the execution of the procedure described in clause 7.2.2.2.

#### 7.3.7.2 Definition of system information messages

The default system information messages specified in clause 6.1.0b are used with the following exceptions.

#### Contents of System information block type 1: RRC

Information Element	<u>Value/remark</u>
- CN domain system information	
- CN domain identity	<u>PS</u>
- CHOICE CN Type	GSM-MAP
- CN domain specific NAS system information	
- GSM-MAP NAS system information	<u>00 00</u>
- CN domain specific DRX cycle length coefficient	<u>7</u>
- CN domain identity	<u>CS</u>
- CHOICE CN Type	GSM-MAP
- CN domain specific NAS system information	
- GSM-MAP NAS system information	00(T3212 is set to infinity) 01
- CN domain specific DRX cycle length coefficient	<u>7</u>
- UE Timers and constants in connected mode	
- T305	Infinity

#### Contents of System Information Block type 5 (FDD)

Information Element	<u>Value/remark</u>
- Secondary CCPCH system information	
- Secondary CCPCH info	
- CHOICE mode	<u>FDD</u>
- Secondary scrambling code	Not Present
- STTD indicator	<u>FALSE</u>
- Spreading factor	<u>64</u>
- Code number	<u>2</u>
- Pilot symbol existence	<u>FALSE</u>
- TFCI existence	TRUE (default value)
- Fixed or Flexible position	Flexible (default value)
- Timing offset	Not Present
	Absence of this IE is equivalent to default value 0

For the inter-system handover from UTRAN FDD to GSM case the default messages for SIB11 and SIB12 as specified for Cell 1 and Cell 9 in clause 6.1.4 are used.

#### 7.3.7.3 Procedure

Step	Direction	Message	Comments
	UE SS		
<u>1</u>	<u>←</u>	SYSTEM INFORMATION (BCCH)	<u>Broadcast</u>
<u>2</u>	<u>←</u>	PAGING (PCCH)	<u>Paging</u>
<u>3</u>	$\rightarrow$	RRC CONNECTION REQUEST (CCCH)	RRC
<u>4</u>	←	RRC CONNECTION SETUP (CCCH)	RRC (Transition to cell DCH)
<u>5</u>	$\stackrel{-}{\Rightarrow}$	RRC CONNECTION SETUP COMPLETE (DCCH)	RRC
<u>6</u>	$\rightarrow$	PAGING RESPONSE	RR
<u>7</u>	←	AUTHENTICATION REQUEST	MM
<u>8</u>	$\rightarrow$	AUTHENTICATION RESPONSE	<u>MM</u>
<u>9</u>	<u>←</u>	SECURITY MODE COMMAND	RRC
<u>10</u>	<u></u>	SECURITY MODE COMPLETE	RRC
<u>11</u>	<u>←</u>	<u>SET UP</u>	CC (see note)
<u>12</u>	$\rightarrow$	CALL CONFIRMED	CC
<u>13</u>	<u>←</u>	RADIO BEARER SETUP	RRC RAB SETUP
<u>14</u>	$\Rightarrow$	RADIO BEARER SETUP COMPLETE	RRC
<u>15</u>	$\rightarrow$	ALERTING	CC (this message is optional)
<u>16</u>	$\rightarrow$	CONNECT	CC
<u>17</u>	<u>←</u>	CONNECT ACKNOWLEDGE	CC
NOTE:	The "Signa	al" information element is not included in the SETUP m	essage.

#### 7.3.7.4 Specific message contents

The default message contents specified in clause 9.1 are used with the following exceptions.

#### Contents of Attach Accept message: GMM

Information Element	Value/remark
Periodic RA update timer	E0 (timer is deactivated)

# 7.3.8 Test procedure for inter-RAT cell FACH reselection used in RRM testing

#### 7.3.8.1 Initial conditions

#### **System Simulator:**

• Number of cells and parameters for specific tests are defined in TS 34.121 [2] and take priority over the default parameters.

#### **User Equipment:**

- The UE shall be operated under RF test conditions.
- The Test-USIM shall be inserted.
- The UE has a valid TMSI (CS) after the execution of the procedure described in clause 7.2.2.1.
- The UE has a valid P-TMSI (PS) after the execution of the procedure described in clause 7.2.2.2.

#### 7.3.8.2 Definition of system information messages

The default system information messages specified in clause 6.1.0b are used with the following exceptions.

#### Contents of System information block type 1: RRC

Information Element	<u>Value/remark</u>
- CN domain system information	
- CN domain identity	<u>PS</u>
- CHOICE CN Type	GSM-MAP
- CN domain specific NAS system information	
- GSM-MAP NAS system information	00 00
- CN domain specific DRX cycle length coefficient	7
- CN domain identity	<u>CS</u>
- CHOICE CN Type	GSM-MAP
- CN domain specific NAS system information	
- GSM-MAP NAS system information	00(T3212 is set to infinity) 01
- CN domain specific DRX cycle length coefficient	7
- UE Timers and constants in connected mode	
- T305	Infinity

#### Contents of System Information Block type 5 (FDD)

Information Element	<u>Value/remark</u>
- Secondary CCPCH system information	
- Secondary CCPCH info	
- CHOICE mode	FDD
- Secondary scrambling code	Not Present
- STTD indicator	<u>FALSE</u>
- Spreading factor	<u>64</u>
- Code number	<u>2</u>
- Pilot symbol existence	<u>FALSE</u>
- TFCI existence	TRUE (default value)
- Fixed or Flexible position	Flexible (default value)
- Timing offset	Not Present
	Absence of this IE is equivalent to default value 0

#### 7.3.8.3 Procedure

Step	<u>Direction</u>	Message	Comments
<u>Otop</u>	UE SS	<u>moodago</u>	<u>Gommonto</u>
<u>1</u>	←	SYSTEM INFORMATION (BCCH)	<u>Broadcast</u>
<u>2</u>	←	PAGING TYPE1 (PCCH)	<u>Paging</u>
<u>3</u>	$\rightarrow$	RRC CONNECTION REQUEST (CCCH)	RRC
<u>4</u>	←	RRC CONNECTION SETUP (CCCH)	RRC
<u>5</u>	$\rightarrow$	RRC CONNECTION SETUP COMPLETE (DCCH)	RRC
<u>6</u>	$\rightarrow$	SERVICE REQUEST	<u>GMM</u>
<u>7</u>	<u>←</u>	AUTHENTICATION AND CIPHERING REQUEST	<u>GMM</u>

8	$\rightarrow$	AUTHENTICATION AND CIPHERING RESPONSE	GMM
9	<u>←</u>	SECURITY MODE COMMAND	RRC
10	$\xrightarrow{\longrightarrow}$	SECURITY MODE COMPLETE	RRC
11	<u>←</u>	REQUEST PDP CONTEXT ACTIVATION	SM
12	$\stackrel{-}{\rightarrow}$	ACTIVATE PDP CONTEXT REQUEST	SM
13	<u>—</u>	RADIO BEARER SETUP	RRC RAB SETUP
14	$\xrightarrow{\longrightarrow}$	RADIO BEARER SETUP COMPLETE	RRC
15	<u>−</u>	ACTIVATE PDP CONTEXT ACCEPT	SM

#### 7.3.8.4 Specific message contents

The default message contents specified in clause 9.1 are used with the following exceptions.

Contents of Attach Accept message: GMM

Information Element	<u>Value/remark</u>
Periodic RA update timer	E0 (timer is deactivated)

The RRC connection setup is defined in clause 9.1.1, "Contents of RRC CONNECTION SETUP message: UM (Transition to CELL FACH)".

### 7.4 Common generic procedures for AS testing

CHANGE REQUEST				
<mark> </mark>	4.108 CR 400	<b>-</b> #	Current version:	<b>5.4.0</b> <sup> x </sup>
For <u>HELP</u> on using	g this form, see bottom of this page	or look at the	pop-up text over t	the
Proposed change affe	e <b>cts:</b> │ UICC apps <mark>器</mark> ME	X Radio Ac	cess Network	Core Network
Title:	R to 34.108: Correction to RADIO E	BEARER SET	UP message for E	BTFD RMC
Source: # 30	GPP TSG RAN WG5 (Testing)			
Work item code: <mark>⊯ T</mark>	El		<i>Date:</i>	04/2005
De be	e one of the following categories:  F (correction)  A (corresponds to a correction in an B (addition of feature),  C (functional modification of feature)  D (editorial modification)  tailed explanations of the above categor found in 3GPP TR 21.900.  Since the test case for BTFD per mode 2 it is important that the RA in section 9.2.1 is defined accordand according to section 5.3.2.7 ciphering shall be disabled.	ries can  formance in Tablo BEAREFingly. Test loc	R96 (Relea R97 (Relea R98 (Relea R99 (Relea Rel-4 (Relea Rel-5 (Relea Rel-6 (Relea S 34.121 is define R SETUP messag pp mode 2 is speci	lowing releases: Phase 2) ase 1996) ase 1997) ase 1998) ase 1999) ase 4) ase 5) ase 6) ed to use test loop e for BTFD RMC ified in TS 34.109
Summary of change:	Removed Ciphering mode info from BTFD RMC and added reference Changed 'MAC logical channel p DCCH).	to test loop 2	for consistency.	· ·
Consequences if not approved:	K Ambiguity and incorrect depende specification which may result in			ain in the
Clauses affected:	₩ 9.2.1			
	Y N  X Other core specifications Test specifications O&M Specifications	[ <b>æ</b> ]		
Other comments:	Appliable for terminals supporting	g R99 and lat	ter.	

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### <Start of modified section>

9.2.1 Default Message Contents for RF (FDD)

<Unchanged message contents are skipped here>

### Contents of RADIO BEARER SETUP message: BTFD RMC for Test Loop Mode 2

Information Element	Value/remark	Version
Message Type RRC transaction identifier	Arbitrarily selects an integer between 0	
TATO transaction identifier	and 3	
Integrity check info		
- message authentication code	SS calculates the value of MAC-I for this message and writes to this IE. The first/	
	leftmost bit of the bit string contains the	
	most significant bit of the MAC-I.	
- RRC message sequence number	SS provides the value of this IE, from its	
Integrity protection mode info	internal counter. Not Present	
Ciphering mode info	Not Present	
	For correct operation of test loop mode 2	
	this IE shall be omitted. The presence of this IE is dependent on IXIT statements	
	in TS 34.123-2. If ciphering is indicated	
	to be active, this IE present with the	
	values of the sub IEs as stated below.	
	Else, this IE is omitted. Start/restart	
— Ciphering algorithm	Use one of the supported ciphering	
0.1	algorithms	
Ciphering activation time for DPCH     Radio bearer downlink ciphering activation time info	Set by operator Not Present	
Activation time	Set by operator	
New U-RNTI	Not Present	
New C-RNTI New DSCH-RNTI	Not Present Not Present	
New H-RNTI	Not Present	REL-5
RRC State indicator	CELL_DCH	
UTRAN DRX cycle length coefficient	Not Present	
CN information info URA identity	Not Present Not Present	
CHOICE specification mode	Complete specification	REL-5
- RAB information for setup		
- RAB info - RAB identity	0000 0001B	
To the identity	The first/ leftmost bit of the bit string	
	contains the most significant bit of the	
- CN domain identity	RAB identity. CS domain	
- NAS Synchronization Indicator	Not Present	
- Re-establishment timer	UseT314	
- RB information to setup - RB identity	10	
- RB identity - PDCP info	Not Present	
- CHOICE RLC info type	RLC info	
- CHOICE Uplink RLC mode - Transmission RLC discard	TM RLC Not Present	
- Segmentation indication	FALSE	
- CHOICE Downlink RLC mode	TM RLC	
- Segmentation indication	FALSE	
- RB mapping info - Information for each multiplexing option		
- RLC logical channel mapping indicator	Not Present	
- Number of uplink RLC logical channels	1	
<ul> <li>Uplink transport channel type</li> <li>UL Transport channel identity</li> </ul>	DCH 1	
- Logical channel identity	Not Present	
- CHOICE RLC size list	Configured	
- MAC logical channel priority - Downlink RLC logical channel info	<u>7</u> 4	
- Number of downlink RLC logical channels	1	
- Downlink transport channel type	DCH	
- DL DCH Transport channel identity	6	

Information Element	Value/remark	Version
- DL DSCH Transport channel identity	Not Present	
- Logical channel identity	Not Present	
RB information to be affected	Not Present	
Downlink counter synchronisation info	Not Present	
	RMC for BTFD	
UL Transport channel information for all transport channels		
- PRACH TFCS	Not Present	
- CHOICE mode	FDD	
- TFC subset	Not Present	
- UL DCH TFCS	Normal	
- CHOICE TFCI signalling - TFCI Field 1 information	Normal	
- CHOICE TFCS representation	Complete reconfiguration	
- TFCS complete reconfigure information	Complete reconfiguration	
- CHOICE CTFC Size	ctfc6Bit	
- ctfc6Bit	22	
- ctfc6	0	
-powerOffsetInformation(OP)		
-gainFactorInformation	ComputedGainFactors	
- Reference TFC ID	0	
- ctfc6	11	
-powerOffsetInformation(OP)		
-gainFactorInformation	ComputedGainFactors	
- Reference TFC ID	0	
- ctfc6	1	
-powerOffsetInformation(OP)		
-gainFactorInformation	ComputedGainFactors	
- Reference TFC ID	0	
- ctfc6	12	
-powerOffsetInformation(OP)		
-gainFactorInformation	SignalledGainFactors	
-modeSpecificInfo	Fdd	
-fdd		
- Gain factor ßc	8	
- Gain factor ßd - Reference TFC ID	15	
- ctfc6	0 2	
- ctico -powerOffsetInformation(OP)	2	
-gainFactorInformation	ComputedGainFactors	
- Reference TFC ID		
- ctfc6	13	
-powerOffsetInformation(OP)	10	
-gainFactorInformation	ComputedGainFactors	
- Reference TFC ID	0	
- ctfc6	3	
-powerOffsetInformation(OP)		
-gainFactorInformation	ComputedGainFactors	
- Reference TFC ID	0	
- ctfc6	14	
-powerOffsetInformation(OP)		
-gainFactorInformation	ComputedGainFactors	
- Reference TFC ID	0	
- ctfc6	4	
-powerOffsetInformation(OP)		
-gainFactorInformation	ComputedGainFactors	
- Reference TFC ID	0	
- ctfc6	15	
-powerOffsetInformation(OP)	Community desired	-
-gainFactorInformation	ComputedGainFactors	-
- Reference TFC ID	0	
- ctfc6	5	
-powerOffsetInformation(OP) -gainFactorInformation	ComputedGainEasters	
- gain-actorniormation - Reference TFC ID	ComputedGainFactors 0	
- Kelelelice TFC ID	ΙU	

Information Element	Value/remark	Version
- ctfc6	16	version
-powerOffsetInformation(OP)	10	
-gainFactorInformation	ComputedGainFactors	
- Reference TFC ID	0	
- ctfc6	6	
-powerOffsetInformation(OP)		
-gainFactorInformation	ComputedGainFactors	
- Reference TFC ID	1	
- ctfc6	17	
-powerOffsetInformation(OP)		
-gainFactorInformation	SignalledGainFactors	
-modeSpecificInfo	Fdd	
-fdd		
- Gain factor ßc	11	
- Gain factor ßd	15	
- Reference TFC ID	1	
- ctfc6	7	
<pre>-powerOffsetInformation(OP)</pre>		
-gainFactorInformation	ComputedGainFactors	
- Reference TFC ID	1	
- ctfc6	18	
-powerOffsetInformation(OP)		
-gainFactorInformation	ComputedGainFactors	
- Reference TFC ID	1	
- ctfc6	8	
-powerOffsetInformation(OP)		
-gainFactorInformation	ComputedGainFactors	
- Reference TFC ID	1	
- ctfc6	19	
-powerOffsetInformation(OP)	0 10 10 1	
-gainFactorInformation	ComputedGainFactors	
- Reference TFC ID	9	
<ul><li>- ctfc6</li><li>-powerOffsetInformation(OP)</li></ul>	9	
-gainFactorInformation	ComputedGainFactors	
- Reference TFC ID	1	
- ctfc6	20	
-powerOffsetInformation(OP)	20	
-gainFactorInformation	ComputedGainFactors	
- Reference TFC ID	1	
- ctfc6	10	
-powerOffsetInformation(OP)		
-gainFactorInformation	ComputedGainFactors	
- Reference TFC ID	1	
- ctfc6	21	
-powerOffsetInformation(OP)		
-gainFactorInformation	ComputedGainFactors	
- Reference TFC ID	1	
Added or Reconfigured UL TrCH information list	1	
<ul> <li>Added or Reconfigured UL TrCH information</li> </ul>		
- Uplink transport channel type	DCH	
- UL Transport channel identity	1	
- TFS		
- CHOICE Transport channel type	Dedicated transport channels	
-DedicatedDynamicTF-Info	1	
RLC size	256	
-numberOfTbSizeList	17	
-NumberOfTransportBlocks	Zero	
-NumberOfTransportBlocks	One	
- Choice Logical Channel List	ALL	
RLC size	216	
-numberOfTbSizeList		
-NumberOfTransportBlocks	One	
- Choice Logical Channel List	ALL	

Information Floresut	Malaca fra construit	
Information Element RLC size	Value/remark	Version
-numberOfTbSizeList	171	
-NumberOfTransportBlocks	One	
- Choice Logical Channel List	ALL	
RLC size	160	
-numberOfTbSizeList	100	
-NumberOfTransportBlocks	One	
- Choice Logical Channel List	ALL	
RLC size	146	
-numberOfTbSizeList	110	
-NumberOfTransportBlocks	One	
- Choice Logical Channel List	ALL	
RLC size	130	
-numberOfTbSizeList		
-NumberOfTransportBlocks	One	
- Choice Logical Channel List	ALL	
RLC size	115	
-numberOfTbSizeList	1.10	
-NumberOfTransportBlocks	One	
- Choice Logical Channel List	ALL	
RLC size	107	
-numberOfTbSizeList		
-NumberOfTransportBlocks	One	
- Choice Logical Channel List	ALL	
RLC size	51	
-numberOfTbSizeList		
-NumberOfTransportBlocks	One	
- Choice Logical Channel List	ALL	
RLC size	12	
-numberOfTbSizeList		
-NumberOfTransportBlocks	One	
- Choice Logical Channel List	ALL	
-Semistatic Transport Format Information		
-Transmission Time interval	20 ms	
-channelCodingType	Convolutional	
-convolutional	1/3	
- Rate matching attribute	256	
ŭ	0	
- CRC size	0	
DL Transport channel information common for all transport channel		
- SCCPCH TFCS	Not Present	
- CHOICE mode	FDD	
- CHOICE DL parameters	Explicit	
- DL DCH TFCS		
- CHOICE TFCI signalling	Normal	
- TFCI Field 1 information		
- CHOICE TFCS representation	Complete reconfiguration	
<ul> <li>TFCS complete reconfigure information</li> </ul>		
- CHOICE CTFC Size	Ctfc6Bit	
- ctfc6Bit	18	
- ctfc6	9	
- ctfc6	0	
- ctfc6	10	
- ctfc6 - ctfc6	11	
- ctic6	2	
- ctico	12	
- ctico - ctfc6	3	
- ctfc6	13	
- ctfc6	4	
- ctfc6	14	
- ctfc6	5	
	r -	L.

Information Element	Value/remark	Version
- ctfc6	15	Version
- ctfc6	6	
- ctfc6	16	
- ctfc6	7	
- ctfc6	17	
- ctfc6	8	
Deleted DL TrCH information	Not Present	
Added or Reconfigured DL TrCH information list	1	
- Added or Reconfigured DL TrCH information	2011	
- Downlink transport channel type	DCH	
- DL Transport channel identity	6	
- CHOICE DL parameters - TFS	Explicit	
- CHOICE Transport channel type	Dedicated transport channels	
-DedicatedDynamicTF-Info	Dedicated transport channels	
RLC size	244	
-numberOfTbSizeList		
-NumberOfTransportBlocks	One	
- Choice Logical Channel List	ALL	
RLC size	204	
-numberOfTbSizeList		
-NumberOfTransportBlocks	One	
- Choice Logical Channel List	ALL	
RLC size	159	
-numberOfTbSizeList		
-NumberOfTransportBlocks	One	
- Choice Logical Channel List	ALL	
RLC size	148	
-numberOfTbSizeList		
-NumberOfTransportBlocks	One	
- Choice Logical Channel List	ALL	
RLC size	134	
-numberOfTbSizeList		
-NumberOfTransportBlocks	One	
- Choice Logical Channel List	ALL	
RLC size	118	
-numberOfTbSizeList	0.7	
-NumberOfTransportBlocks	One	
- Choice Logical Channel List	ALL	
RLC size	103	
-numberOfTbSizeList -NumberOfTransportBlocks	One	
	One	
- Choice Logical Channel List RLC size	ALL 95	
-numberOfTbSizeList	95	
-NumberOfTransportBlocks	One	
- Choice Logical Channel List	ALL	
RLC size	39	
-numberOfTbSizeList	00	
-NumberOfTransportBlocks	One	
- Choice Logical Channel List	ALL	
-Semistatic Transport Format Information		
-Transmission Time interval	20 ms	
-channelCodingType	Convolutional	
-convolutional		
	1/3	
- Rate matching attribute	256	
- CRC size	12	
- DCH quality target	100	
- BLER Quality value	-2.0	
- Transparent mode signalling info	Not Present	
Frequency info Maximum allowed UL TX power	Not Present 33 dBm	
waximum allowed OL TA power	JO UDIII	

Information Element	Value/remark	Version
CHOICE channel requirement	Uplink DPCH info	
- Uplink DPCH power control info		
- DPCCH power offset	-6	
- PC Preamble	1 frame	
- SRB delay	7 frames	
- Power Control Algorithm	Algorithm1	
- TPC step size	1dB	
•	Not Present	REL-5
- Δ <sub>ACK</sub>	Not Present	REL-5
- Anack		
- Ack-Nack repetition factor	Not Present	REL-5
- Scrambling code type	Long	
- Scrambling code number	0	
- Number of DPDCH	1	
- spreading factor	64	
- TFCI existence	TRUE	
- Number of FBI bit	Not Present(0)	
- Puncturing Limit	1	
CHOICE Mode	FDD	
- Downlink PDSCH information	Not Present(0)	
Downlink HS-PDSCH Information	Not Present	REL-5
Downlink information common for all radio links		
- Downlink DPCH info common for all RL	FDD	
- Timing indicator	Maintain	
- CFN-targetSFN frame offset	Not Present	
- Downlink DPCH power control information		
- DPC mode	0 (single)	
- CHOICE mode	FDD	
- Power offset P <sub>Pilot-DPDCH</sub>	0	
- DL rate matching restriction information	Not Present	
- Spreading factor	128	
- Number of bits for Pilot bits(SF=128,256)	4	
- Fixed or Flexible Position	Fixed	
- TREU OF FIEARDIE FOSITION - TFCI existence	FALSE	
- DPCH compressed mode info	Not Present	
- TX Diversity mode	None	
- SSDT information	Not Present	
- Default DPCH Offset Value	Not Present	
Downlink information for each radio link list		
- Primary CPICH info		
- Primary scrambling code	Reference to clause 6.1 "Default settings (FDD)"	
- PDSCH with SHO DCH info	Not Present	
- PDSCH code mapping	Not Present	
- Downlink DPCH info for each RL		
- Primary CPICH usage for channel estimation	Primary CPICH may be used	
- DPCH frame offset	Set to value Default DPCH Offset Value	
	(as currently stored in SS) mod 38400	
- Secondary CPICH info	Not Present	
- DL channelisation code		
- Secondary scrambling code	Not Present	
- Spreading factor	128	
- Code number	96	
- Scrambling code change	No change	
- TPC combination index	0	
- SSDT Cell Identity	Not Present	
- Closed loop timing adjustment mode	Not Present	
- SCCPCH information for FACH	Not Present	+
- JOOL OF INIONNALION FACT	INOUT TESETT	

	CHANGE REQUEST				
[ <b>X</b> ]	34.108 CR 401				
For <u>HELP</u> on u	ing this form, see bottom of this page or look at the pop-up text over the 🕱 symbols.				
Proposed change	MEX Radio Access Network Core Network				
Title: ⊯	CR to 34.108: Correction to reference radio conditions for GSM				
Source:	3GPP TSG RAN WG5 (Testing)				
Work item code: ₩	TEI Date: ⊯ 08/04/2005				
Reason for change	## Release:  ## Rel-5  ## Release:  ## Rel-5  ## Use one of the following categories:				
Consequences if	clause 26.6.5.1 and renamed the parameter to "BCCH ARFCN" according to the corresponding SIB11 IE.  # It remains unclear which RF channel numbers to use for RF testing.				
not approved:	Incorrect GSM RF channel numbers.				
Clauses affected: Other specs affected:	# 6.1.5, 6.1.6, 6.1.7    Y   N     X   Other core specifications     X     Test specifications   X   O&M   Specifications     X   O&				
Other comments:	Appliable for terminals supporting R99 and later.				

How to create CRs using this form:
Comprehensive information and tips about how to create CRs can be found at <a href="http://www.3gpp.org/specs/CR.htm">http://www.3gpp.org/specs/CR.htm</a>.
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 <a href="ftp://ftp.3gpp.org/specs/">ftp://ftp.3gpp.org/specs/</a> 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.

#### 6.1.5 Reference Radio Conditions for signalling test cases (FDD)

The following transmission parameters shall be used for signalling test cases only unless otherwise stated in the description of the individual test case.

Table 6.1.3 are the default settings for a non-suitable cell which is configured and always present whereas table 6.1.4 is for a cell that is switched off. Cells configured according to table 6.1.3 are for test cases in which it is necessary to make a cell unsuitable, and then subsequently make it suitable. This could be achieved by switching the cell off and then reconfiguration as in table 6.1.4, but this takes a lot of time to do.

Table 6.1.1: Default settings for a serving cell in a single cell environment

Parameter	Unit	Cell 1
Cell type		Serving cell
UTRA RF Channel Number		Channel 1
Qqualmin	dB	-24
Qrxlevmin	dBm	-79
UE_TXPWR_MAX_RACH	dBm	21
CPICH Ec (see notes 1 and 2)	dBm/3.84 MHz	-60

NOTE 1: The power level is specified in terms of CPICH\_Ec instead of CPICH\_RSCP as RSCP is a receiver measurement and only CPICH\_Ec can be directly controlled by the SS.

Table 6.1.2: Default settings for a serving cell and a suitable neighbour cell in a multi-cell environment environment

Parameter	Unit	Cell 1	Cell 2	Cell 4
Cell type		Serving cell	Suitable neighbour	Suitable neighbour
			intra-frequency cell	inter-frequency cell
UTRA RF Channel Number		Channel 1	Channel 1	Channel 2
Qqualmin	dB	-24	-24	
Qrxlevmin	dBm	-79	-79	)
UE_TXPWR_MAX_RACH	dBm	21	21	
CPICH Ec (see notes 1 and 2)	dBm/3.84 MHz	-60	-70	)

NOTE 1: The power level is specified in terms of CPICH\_Ec instead of CPICH\_RSCP as RSCP is a receiver measurement and only CPICH\_Ec can be directly controlled by the SS.

Table 6.1.3: Default settings for a non-suitable cell

Parameter	Unit	Level
Qqualmin	dB	-24
Qrxlevmin	dBm	-79
UE_TXPWR_MAX_RACH	dBm	21
CPICH_Ec	dBm/3.84 MHz	-90

NOTE 1: The power level is specified in terms of CPICH\_Ec instead of CPICH\_RSCP as RSCP is a receiver measurement and only CPICH\_Ec can be directly controlled by the SS.

Table 6.1.4: Default settings for a non-suitable "Off" cell

Parameter	Unit	Level
Qqualmin	dB	-24
Qrxlevmin	dBm	-79
UE_TXPWR_MAX_RACH	dBm	21
CPICH_Ec	dBm/3.84	≤ -122
	MHz	

NOTE 2: The cell fulfils 3GPP TS 25.304 [36], clause 5.2.3.1.2 and 3GPP TS 25.133 [30], clause 8.1.2.2.1.

NOTE 2: Both cells fulfil 3GPP TS 25.304 [36], clause 5.2.3.1.2 and 3GPP TS 25.133 [30], clause 8.1.2.2.1.

NOTE 2: The cell is not suitable according to 3GPP TS 25.304 [36], clause 5.2.3.1.2.

NOTE 1: The power level is specified in terms of CPICH\_Ec instead of CPICH\_RSCP as RSCP is a receiver measurement and only CPICH\_Ec can be directly controlled by the SS.

NOTE 2: The cell is not suitable according to 3GPP TS 25.304 [36], clause 5.2.3.1.2.

THO TE 2. THE CENTS HOT SUITABLE according to 3011 TO 23.304 [30], Gladse 3.2.3.1.2.

Table 6.1.5: Default power levels of physical channels relative to CPICH\_Ec

Parameter	Unit	Level Idle mode	Level Connected mode
DPCH_Ec	dB	(see note)	See table 6.1.6
PCCPCH_Ec	dB	-2	
SCCPCH_Ec	dB	-2	
AICH_Ec	dB	-5	
SCH_Ec	dB	-5	
PICH_Ec	dB	-5	
NOTE: This shall be less th	an -122 dBm	to ensure the channel is	considered as "off".

Table 6.1.6: Default power levels of DPCH\_Ec relative to CPICH\_Ec

Data transmission rate	Level
12.2 kbps	-5
64 kbps	-2
144 kbps	+1
384 kbps	+5

#### 6.1.6 Reference Radio Conditions for signalling test cases (TDD)

The following transmission parameters shall be used for signalling test cases only unless otherwise stated in the description of the individual test case.

Table 6.1.6a: Default settings for a serving cell in a single cell environment

Parameter	Unit	Cell 1	
Cell type		Serving cell	
UTRA RF Channel Number		Channel 1	
Qrxlevmin	dBm	-81	
UE_TXPWR_MAX_RACH	dBm	21	
PCCPCH RSCP	dBm	-60	
NOTE: The cell fulfils 3GPP TS 25.304 [36], clause 5.2.3.1.2 and 3GPP TS 25.123 [37].			

Table 6.1.7: Default settings for a serving cell and a suitable neighbour cell in a multi-cell environment

Parameter	Unit	Cell 1	Cell 2	Cell 4
Cell type		Serving cell	Suitable neighbour	Suitable neighbour
			intra-frequency cell	inter-frequency cell
UTRA RF Channel Number		Channel 1	Channel 1	Channel 2
Qrxlevmin	dBm	-81	-8	31
UE_TXPWR_MAX_RACH	dBm	21	2	1
PCCPCH RSCP	dBm	-60	-7	0
NOTE: Both cells fulfil 3GPP TS 25.304 [36], clause 5.2.3.1.2 and 3GPP TS 25.123 [37].				

Table 6.1.8: Default settings for a non-suitable cell

Parameter	Unit	Level	
Qrxlevmin	dBm	-81	
UE_TXPWR_MAX_RACH	dBm	21	
PCCPCH RSCP	dBm	-91	
NOTE: The cell is not suitable according to 3GPP TS 25.304 [36], clause 5.2.3.1.2.			

Table 6.1.9: Default settings for a non-suitable "Off" cell

Parameter	Unit	Level	
Qrxlevmin	dBm	-81	
UE_TXPWR_MAX_RACH	dBm	21	
PCCPCH RSCP	dBm	≤ -110	
NOTE: The cell is not suitable according to 3GPP TS 25.304 [36], clause 5.2.3.1.2.			

### 6.1.7 Reference Radio Conditions for signalling test cases (GSM)

The following transmission parameters shall be used for signalling test cases only unless otherwise stated in the description of the individual test case.

Table 6.1.10: Default settings for a serving cell and a suitable neighbour cell in a multi-cell environment

Parameter	Unit	Cell 9	Cell 10	
Cell type		Serving cell	Suitable neighbour cell	
BCCH ARFCNGSM RF Channel Number		As defined in the initial	As defined in the initial	
		conditions in clause	conditions in clause	
		26.6.5.1 of TS 51.010-	26.6.5.1 of TS 51.010-1	
		1 [31] for cell A and	[31] for cell B and the	
		the GSM band under	GSM band under	
		test. Channel 1	test. Channel 2	
Base transceiver Station Identity Code (BSIC)		BSIC1	BSIC2	
Qrxlevmin	dBm	-81	-81	
MS_TXPWR_MAX_CCH	dBm	According to maximum output power for the		
		power class of the MS under test		
RF level	dBm	-48	-54	
NOTE: Both cells fulfil 3GPP TS 25.304 [36], clause 5.2.6.1.4 and 3GPP TS 25.133 [37], clause 8.1.2.5.				

Table 6.1.11: Default settings for a non-suitable cell

Parameter	Unit	Level	
Qrxlevmin	dBm	-81	
MS_TXPWR_MAX_CCH	dBm	According to maximum output power for the power class of the MS under test	
RF level	dBm	-90	
NOTE: The cell is not suitable according to 3GPP TS 25.304 [36], clause 5.2.6.1.4			

## 3GPP TSG-R5 Meeting #27 Bath, England 25th April – 29th April

	CHANGE REQUEST	III-V /
[ <b>X</b> ]	34.108 CR 402	
For <u>HELP</u> on u	using this form, see bottom of this page or look at the pop-up text over the 🕱 symbols.	J
Proposed change	affects: UICC apps  ■ ME X Radio Access Network Core Network	(
Title:	Addition of RADIO BEARER SETUP Messages for Auxiliary Measurement	
Source:	3GPP TSG RAN WG5 (Testing)	
Work item code: ₩	TEI Date:      28/4/2005     3   3   4   1   1   1   1   1   1   1   1   1	
Category: ₩	## Release:  ## Rel-5  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)  Detailed explanations of the above categories can be found in 3GPP TR 21.900.  ## Release:  ## Rel-5  Use one of the following releases:  ## Rel-6  ## (Release 1996)  ## R97  ## R98  ## Rel-6  ## Rel-5  ## Rel-5  ## Rel-5  ## Rel-6  ## Rel-5  ## Rel-6  ## Rel-8  ## Rel-9  #	
Reason for change	e:  # 1) RB setup messages for auxiliary measurement are not specified. 2) RB setup messages (CS, PS test loop mode 1) need to merge, so that maintenance of those RB setup messages easier.	
Summary of chang	1) RB setup messages for UL:12.2k withDL:64k/144k/384k are introduced. 2) Merge the existing RB setup messages (CS, PS test loop mode1) into one R setup messages using conditions.	₹B
Consequences if not approved:	<ul><li>1) Auxiliary measurement remains without RB setup messages.</li><li>2) Maintenance of those RB Setup messages will not be easy, if new RB setup messages are introduced.</li></ul>	
Clauses affected:	第 9.2	
Other specs affected:	Y N Other core specifications	
Other comments:	# This CR applies for Rel-99 and later releases.	

#### How to create CRs using this form:

Comprehensive information and tips about how to create CRs can be found at <a href="http://www.3gpp.org/specs/CR.htm">http://www.3gpp.org/specs/CR.htm</a>. 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 <a href="ftp://ftp.3gpp.org/specs/">ftp://ftp.3gpp.org/specs/</a> 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 Default Message Contents for RF (FDD)

#### Contents of Activate RB Test Mode message

Information Element	Value/remark
Protocol discriminator	F (Length 1/2)
Skip indicator	0 (Length 1/2)
Message Type	44h

#### {Unchanged Sections are skipped here}

#### Contents of RADIO BEARER SETUP message: AM or UM (UE supports CS RAB for Test Loop Mode1)

Information Element	Value/remark	<b>Version</b>
Message Type		
RRC transaction identifier	Arbitrarily selects an integer between 0 and 3	
Integrity check info		
- message authentication code	SS calculates the value of MAC-I for this message	
	and writes to this IE. The first/ leftmost bit of the bit	
	string contains the most significant bit of the MAC-	
	H.	
- RRC message sequence number	SS provides the value of this IE, from its internal	
	counter.	
Integrity protection mode info	Not Present	
Ciphering mode info	Not Present	
Activation time	(256+CFN (CFN MOD 8 + 8))MOD 256	
New U-RNTI	Not Present	
New C-RNTI	Not Present	
New DSCH-RNTI	Not Present	
New H-RNTI	Not Present	REL-5
RRC State indicator	CELL DCH	
UTRAN DRX cycle length coefficient	Not Present	
CN information info	Not Present	
URA identity	Not Present	
- Signalling RB information to setup	Not Present	
RAB information for setup list		
RAB information for setup		
	0000 0001B	
•	The first/ leftmost bit of the bit string contains the	
	most significant bit of the RAB identity.	
- CN domain identity	CS domain	
- NAS Synchronization Indicator	Not Present	
Re establishment timer	UseT314	
- RB information to setup list		
- RB identity	<del>10</del>	
	Not Present	
CHOICE RLC info type	RLC info	
- CHOICE Uplink RLC mode	TM RLC	
- Transmission RLC discard	Not Present	
Segmentation indication	<del>FALSE</del>	
- CHOICE Downlink RLC mode	TM RLC	
Segmentation indication	<del>FALSE</del>	
- RB mapping info		
- Information for each multiplexing		
option		
- RLC logical channel mapping	Not Present	
indicator		
- Number of uplink RLC logical	4	

Information Element	<del>Value/remark</del>	Version
channels	<del>DCH</del>	
Uplink transport channel type	T T T T	
- UL Transport channel identity	1	
Logical channel identity	Not Present	
CHOICE RLC size list	Configured	
- MAC logical channel priority	7	
Downlink RLC logical channel info		
- Number of downlink RLC logical	1	
<del>channels</del>		
Downlink transport channel type	<del>DCH</del>	
- DL DCH Transport channel identity	6	
DL DSCH Transport channel identity	Not Present	
- Logical channel identity	Not Present	
RB information to be affected list	Not Present	
Downlink counter synchronization info	Not Present	
JL Transport channel information for all	Not i resent	
ransport channels		
	Not Present	
	EDD.	
	. 55	
- TFC subset	Not Present	
- UL DCH TFCS		
- CHOICE TFCI signalling	Normal	
- TFCI Field 1 information		
- CHOICE TFCS representation	Complete reconfiguration	
- TFCS complete reconfigure		
information		
CHOICE CTFC Size	2 bit CTFC	
- CTFC information	4-TFCs	
- 2bit CTFC	0	
Power offset Information		
- CHOICE Gain Factors	Computed Gain Factors	
Reference TFC ID	0	
- CHOICE mode	<del>FDD</del>	
	Not Present	
- Power offset P <sub>p-m</sub>	1101111000111	
2bit CTFC	2	
- Power offset Information	0 110:51	
CHOICE Gain Factors	Computed Gain Factors	
Reference TFC ID	0	
- CHOICE mode	<del>FDD</del>	
Power offset P <sub>p-m</sub>	Not Present	
- 2bit CTFC	1	
<ul> <li>Power offset Information</li> </ul>		
CHOICE Gain Factors	Computed Gain Factors	
- Reference TFC ID	0	
CHOICE mode	<del>FDD</del>	
- Power offset P <sub>p-m</sub>	Not Present	
- 2bit CTFC	3	
Power offset Information		
- CHOICE Gain Factors	Signalled Gain Factors	
CHOICE mode	FDD	
	8 8	
- Gain factor &d	<del>15</del>	
- Reference TFC ID	0	
- CHOICE mode	<del>FDD</del>	
- Power offset P <sub>p-m</sub>	Not Present	
Deleted UL TrCH information list	Not Present	
Added or Reconfigured UL TrCH information	1	
<del>ist</del>		
- Added or Reconfigured UL TrCH		
<del>nformation</del>		
- Uplink transport channel type	DCH	
- UL Transport channel identity	1	
TES		
- CHOICE Transport channel type	Dedicated transport channels	
Dynamic Transport Format Information		1
· · · · · · · · · · · · · · · · · · ·	0.44 1/3/2	
- DI (* 6176		
———- RLC size ———- Number of TBs and TTI List	244 bits 2	

Information Element	<del>Value/remark</del>	Version
- Transmission Time Interval	Not Present	
Number of Transport blocks	0	
- Transmission Time Interval	Not Present	
- Number of Transport blocks	4	
- CHOICE Logical channel List	ALL	
- Semi-static Transport Format		
Information	   <del>20</del>	
- Type of channel coding	Convolutional	
— - Coding Rate	1 <del>//3</del>	
- Rate matching attribute	<del>256</del>	
	<del>16</del>	
CHOICE mode	<del>FDD</del>	
<del>- CPCH set ID</del>	Not Present	
Added or Reconfigured TrCH information for	Not Present	
DRAC list		l <sub>i</sub>
DL Transport channel information common for		
all transport channel	Not Present	
——————————————————————————————————————	NOT Present	
——————————————————————————————————————	Same as III	
Deleted DL TrCH information list	Not Present	
Added or Reconfigured DL TrCH information	4	
list		
Added or Reconfigured DL TrCH		
information		
- Downlink transport channel type	DCH	
DL Transport channel identity	6	
	Same as UL	
Uplink transport channel type     UL TrCH identity	DCH 4	
- DCH quality target	+	
- BLER Quality value	<del>2.0</del>	
Frequency info	Not Present	
Maximum allowed UL TX power	33dBm	
CHOICE channel requirement	Uplink DPCH info	
- Uplink DPCH power control info		
	<del>FDD</del>	
- DPCCH power offset	<del>-6dB</del>	
	1 frame	
- SRB delay	7 frames	
- Power Control Algorithm - TPC step size	Algorithm1 1dB	
·	Not Present	REL-5
- ACK	Not Present	REL 5
——————————————————————————————————————	Not Present	REL-5
— CHOICE mode	FDD	TEL O
- Scrambling code type	Long	
- Scrambling code number	0 (0 to 16777215)	
Number of DPDCH	4	
- spreading factor	<del>64</del>	
TFCI existence	TRUE	
Number of FBI bit	Not Present(0)	
- Puncturing Limit	+	
CHOICE Mode  - Downlink PDSCH information	Not Present	
Downlink HS-PDSCH Information	Not Present	REL-5
Downlink information common for all radio links		<del>IXEL-U</del>
- Downlink DPCH info common for all RL		
Timing indicator	Maintain	
- CFN-targetSFN frame offset	Not Present	
- Downlink DPCH power control		
information		
	<del>FDD</del>	
- DPC mode	<del>0 (single)</del>	
	<del>FDD</del>	
- Power offset P <sub>Pilot DPDCH</sub>	0	

Information Element	<del>Value/remark</del>	Version
- DL rate matching restriction	Not Present	
information		
- Spreading factor	<del>128</del>	
Fixed or Flexible Position	<del>Fixed</del>	
TFCI existence	TRUE	
	<del>128</del>	
Number of bits for Pilot bits	8	
- CHOICE mode	<del>EDD</del>	
- DPCH compressed mode info	Not Present	
TX Diversity mode	None	
- SSDT information	Not Present	
—— Default DPCH Offset Value	Not Present	
Downlink information per radio link list		
Downlink information for each radio link		
— CHOICE mode	<del>FDD</del>	
- Primary CPICH info		
Primary scrambling code	Reference to clause 6.1 "Default settings (FDD)"	
- PDSCH with SHO DCH info	Not Present	
- PDSCH code mapping	Not Present	
- Downlink DPCH info for each RL		
	<del>EDD</del>	
- Primary CPICH usage for channel	Primary CPICH may be used	
estimation		
- DPCH frame offset	Set to value Default DPCH Offset Value (as	
	currently stored in SS) mod 38 400	
- Secondary CPICH info	Not Present	
DL channelisation code		
- Secondary scrambling code	Not Present	
- Spreading factor	<del>128</del>	
Code number	<del>96</del>	
- Scrambling code change	No change	
TPC combination index	0	
- SSDT Cell Identity	Not Present	
- Closed loop timing adjustment mode	Not Present	
——————————————————————————————————————	Not Present	

Information Element	Condition	Value/remark	Version
Message Type	A1, A2, A3,		
	A4, A5, A6,		
	A7, A8		
RRC transaction identifier		Arbitrarily selects an integer between 0 and 3	
Integrity check info			
- message authentication code		SS calculates the value of MAC-I for this	
		message and writes to this IE. The first/	
		leftmost bit of the bit string contains the most	
		significant bit of the MAC-I.	
- RRC message sequence number		SS provides the value of this IE, from its	
		internal counter.	
Integrity protection mode info		Not Present	
Ciphering mode info		Not Present	
Activation time		(256+CFN-(CFN MOD 8 + 8))MOD 256	
New U-RNTI		Not Present	
New C-RNTI		Not Present	
New DSCH-RNTI		Not Present	
New H-RNTI		Not Present	REL-5
RRC State indicator		CELL_DCH	
UTRAN DRX cycle length coefficient		Not Present	
CN information info		Not Present	
<u>URA identity</u>		Not Present	
<ul> <li>Signalling RB information to setup</li> </ul>		Not Present	
<ul> <li>RAB information for setup list</li> </ul>	A1, A2, A3,		
	A4, A5		
- RAB information for setup			
- RAB info			
- RAB identity		<u>0000 0001B</u>	
		The first/ leftmost bit of the bit string contains	

Information Element	Condition	<u>Value/remark</u>	<u>Version</u>
- CN domain identity		the most significant bit of the RAB identity. CS domain	
- NAS Synchronization Indicator		Not Present	
- Re-establishment timer		UseT314	
- RB information to setup list			
- RB information to setup			
- RAB information for setup list	A6, A7, A8		
- RAB information for setup - RAB info			
- RAB identity		0000 0101B	
		The first/ leftmost bit of the bit string contains the most significant bit of the RAB identity.	
- CN domain identity		PS domain	
<ul> <li>NAS Synchronization Indicator</li> </ul>		Not Present	
- Re-establishment timer		<u>UseT315</u>	
- RB information to setup list			
- RB information to setup			
- RB identity - PDCP info	<u>A1, A2</u>	10 Not Present	
- PDCP INIO - CHOICE RLC info type		RLC info	
- CHOICE Uplink RLC mode		TM RLC	
- Transmission RLC discard		Not Present FALSE	
- Segmentation indication - CHOICE Downlink RLC mode		TM RLC	
- Segmentation indication		FALSE	
- RB mapping info			
- Information for each multiplexing option			
<ul> <li>RLC logical channel mapping</li> </ul>		Not Present	
indicator - Number of uplink RLC logical		1	
<u>channels</u>		_	
- Uplink transport channel type		<u>DCH</u>	
- UL Transport channel identity - Logical channel identity		1 Not Present	
- CHOICE RLC size list		Configured	
- MAC logical channel priority		7	
- Downlink RLC logical channel info - Number of downlink RLC logical		1	
<u>channels</u>			
- Downlink transport channel type		DCH	
- DL DCH Transport channel identity - DL DSCH Transport channel		Not Present	
identity			
- Logical channel identity	A2 A4 AE	Not Present	
- RB identity - PDCP info	A3, A4, A5	10 Not Present	
- CHOICE RLC info type		RLC info	
- CHOICE Uplink RLC mode		AM RLC	
- Transmission RLC discard - CHOICE SDU discard mode		No Discard	
- MAX DAT		<u>15</u>	
- Transmission window size		Selected with Total RLC AM Buffer Size	
- Timer RST - Max RST		500 4	
- Polling info			
- Timer poll prohibit - Timer poll		400 400	
- rimer poli - Poll PDU		Not Present	
- Poll_SDU		<u>1</u>	
- Last transmission PDU poll - Last retransmission PDU poll		TRUE TRUE	
- Last retransmission PDO poli - Poll Windows		99	
- Timer poll periodic		Not Present	
- CHOICE Downlink RLC mode	1	AM RLC	

Information Element	Condition	<u>Value/remark</u>	Version
- In-sequence delivery		TRUE	
- Receiving window size		Selected with Total RLC AM Buffer Size	
<ul> <li>Downlink RLC status info</li> </ul>			
- Timer_status_prohibit		<u>330</u>	
- Timer_EPC		Not Present	
<ul> <li>Missing PDU indicator</li> </ul>		TRUE	
- Timer_STATUS_periodic		Not Present	
- RB mapping info			
- Information for each multiplexing			
<u>option</u>			
<ul> <li>- RLC logical channel mapping</li> </ul>		Not Present	
indicator			
<ul> <li>Number of uplink RLC logical</li> </ul>		<u>1</u>	
<u>channels</u>			
- Uplink transport channel type		<u>DCH</u>	
- UL Transport channel identity		1	
- Logical channel identity		Not Present	
- CHOICE RLC size list		Configured	
- MAC logical channel priority		Z	
- Downlink RLC logical channel info		4	
- Number of downlink RLC logical		1	
channels  Downlink transport channel type		DCH	
- Downlink transport channel type		DCH 6	
- DL DCH Transport channel identity - DL DSCH Transport channel		6 Not Present	
		INULTIESEIIL	
identity - Logical channel identity		Not Present	
- RB identity	A6, A7, A8	Not Present 20	-
- RB identity - PDCP info	A0, A7, A0	Not present	
- CHOICE RLC info type		RLC info	
- CHOICE RLC IIIIO type - CHOICE Uplink RLC mode		AM RLC	
- Transmission RLC discard		AWKLC	
- CHOICE SDU discard mode		No Discard	
- MAX DAT		15	
- Transmission window size		Selected with Total RLC AM Buffer Size	
- Timer RST		500	
- Max RST		4	
- Polling info		<del>-</del>	
- Timer poll prohibit		400	
- Timer poll		400	
- Poll PDU		Not Present	
- Poll SDU		1	
- Last transmission PDU poll		TRUE	
- Last retransmission PDU poll		TRUE	
- Poll Windows		99	
- Timer poll periodic		Not Present	
- CHOICE Downlink RLC mode		AM RLC	
- In-sequence delivery		TRUE	
- Receiving window size		Selected with Total RLC AM Buffer Size	
- Downlink RLC status info			
- Timer status prohibit		<u>330</u>	
- Timer_EPC		Not Present	
- Missing PDU indicator		TRUE	
- Timer STATUS periodic		Not Present	
- RB mapping info			
<ul> <li>Information for each multiplexing</li> </ul>		2 RBMuxOptions	
<u>option</u>			
- RLC logical channel mapping		Not Present	
indicator			
- Number of uplink RLC logical		1	
<u>channels</u>		BOLL	
- Uplink transport channel type		DCH	
- UL Transport channel identity		1 Not Breeze	
- Logical channel identity		Not Present	
- CHOICE RLC size list		Configured	
- MAC logical channel priority		8	
<ul> <li>Downlink RLC logical channel info</li> </ul>		I	

Information Element	Condition	Value/remark	Version
- Number of downlink RLC logical		1	
<u>channels</u>			
<ul> <li>Downlink transport channel type</li> <li>DL DCH Transport channel identity</li> </ul>		DCH a	
- DL DSCH Transport channel  - DL DSCH Transport channel		6 Not Present	
identity		Notricschi	
- Logical channel identity		Not Present	
<ul> <li>RLC logical channel mapping</li> </ul>		Not Present	
indicator			
- Number of uplink RLC logical channels		1	
- Uplink transport channel type		RACH	
- UL Transport channel identity		Not Present	
- Logical channel identity		7	
- CHOICE RLC size list		Explicit list	
- RLC size index		Reference to clause 6 Parameter Set	
<ul> <li>MAC logical channel priority</li> <li>Downlink RLC logical channel info</li> </ul>		8	
- Number of downlink RLC logical		1	
channels			
- Downlink transport channel type		<u>FACH</u>	
- DL DCH Transport channel identity		Not Present	
- DL DSCH Transport channel		Not Present	
identity		7	
- Logical channel identity  RB information to be affected list	A1, A2, A3,	7 Not Present	
RB information to be affected list	A1, A2, A3, A4, A5, A6,	Not Fresent	
	A7, A8		
Downlink counter synchronization info		Not Present	
UL Transport channel information for all			
transport channels		Not Book of	
- PRACH TFCS - CHOICE mode		Not Present FDD	
- TFC subset		Not Present	
- UL DCH TFCS		- Not i recont	
- CHOICE TFCI signalling		Normal	
- TFCI Field 1 information			
- CHOICE TFCS representation		Complete reconfiguration	
- TFCS complete reconfigure information			
- CHOICE CTFC Size		2 bit CTFC	
- CTFC information		4 TFCs	
- 2bit CTFC		<u>0</u>	
-Power offset Information			
- CHOICE Gain Factors		Computed Gain Factors	
- Reference TFC ID - CHOICE mode		<u>0</u>   FDD	
- Power offset P <sub>p-m</sub>		Not Present	
- 2bit CTFC		2	
- Power offset Information			
- CHOICE Gain Factors		Computed Gain Factors	
- Reference TFC ID		<u>0</u> FDD	
- CHOICE mode - Power offset P <sub>p-m</sub>		FDD     Not Present	
- 2bit CTFC		1	
- Power offset Information		_	
- CHOICE Gain Factors		Computed Gain Factors	
- Reference TFC ID		0	
- CHOICE mode		FDD Not Propert	
- Power offset P <sub>p-m</sub> - 2bit CTFC		Not Present 3	
- Power offset Information		<u> =</u>	
- CHOICE Gain Factors		Signalled Gain Factors	
- CHOICE mode		FDD	
- Gain factor ßc		<u>8</u>	
- Gain factor ßd		1 <u>5</u>	
- Reference TFC ID		<u>0</u>	

<u>Information Element</u>	Condition	<u>Value/remark</u>	<u>Version</u>
- CHOICE mode		FDD	
- Power offset P <sub>p-m</sub>		Not Present	
Deleted UL TrCH information list		Not Present	
Added or Reconfigured UL TrCH information	<u>A1</u>	1	
list			
- Added or Reconfigured UL TrCH			
<u>information</u>			
- Uplink transport channel type		<u>DCH</u>	
<u>- UL Transport channel identity</u>		1	
- TFS		Dadisated transport of the contr	
- CHOICE Transport channel type		Dedicated transport channels	
- Dynamic Transport Format Information		244 bito	
- RLC size - Number of TBs and TTI List		244 bits	
- Number of TBs and TTT List - Transmission Time Interval		≥ Not Present	
- Number of Transport blocks		Not Present 0	
- Transmission Time Interval		Not Present	
- Number of Transport blocks		1	
- CHOICE Logical channel List		ÄLL	
- Semi-static Transport Format			
Information			
- Transmission time interval		<u>20</u>	
- Type of channel coding		Convolutional	
- Coding Rate		<u>1/3</u>	
- Rate matching attribute		<u>256</u>	
- CRC size		<u>16</u>	
Added or Reconfigured UL TrCH information	<u>A2</u>	1	
<u>list</u>			
- Added or Reconfigured UL TrCH			
information		DCH	
- Uplink transport channel type		DCH 1	
- UL Transport channel identity - TFS		1	
- 1FS - CHOICE Transport channel type		Dedicated transport channels	
- Dynamic Transport Format Information		<u>Dodioated transport orialines</u>	
- RLC size		1280 bits	
- Number of TBs and TTI List		2	
- Transmission Time Interval		Not Present	
- Number of Transport blocks		0	
- Transmission Time Interval		Not Present	
<ul> <li>Number of Transport blocks</li> </ul>		1	
<ul> <li>CHOICE Logical channel List</li> </ul>		<u>ALL</u>	
- Semi-static Transport Format			
Information			
- Transmission time interval		20 Turk a	
- Type of channel coding		Turbo	
- Rate matching attribute - CRC size		256 16	
Added or Reconfigured UL TrCH information	A3, A4, A5,	1	
list	A6, A7, A8	<u> -</u>	
- Added or Reconfigured UL TrCH	2.0,717,710		
information			
- Uplink transport channel type		<u>DCH</u>	
- UL Transport channel identity		1	
- TFS			
- CHOICE Transport channel type		Dedicated transport channels	
- Dynamic Transport Format Information			
- RLC size		240 bits	
- Number of TBs and TTI List		$\frac{2}{3}$	
- Transmission Time Interval		Not Present	
- Number of Transport blocks		Not Brosset	
- Transmission Time Interval		Not Present	
- Number of Transport blocks			
- CHOICE Logical channel List		ALL	
- Semi-static Transport Format Information			
- Transmission time interval		20	
- Transmission unte interval	l	<u>40</u>	

Information Element	Condition	Value/remark	Version
- Type of channel coding	Condition	Convolutional	version
- Coding Rate		1/3	
- Rate matching attribute		256	
- CRC size		16	
CHOICE mode	A1, A2, A3,	FDD	
<u> </u>	A4, A5, A6,	<del></del>	
	A7, A8		
- CPCH set ID		Not Present	
- Added or Reconfigured TrCH information		Not Present	
for DRAC list			
DL Transport channel information common			
for all transport channel			
- SCCPCH TFCS		Not Present	
- CHOICE mode		FDD	
- CHOICE DL parameters		Same as UL	
Deleted DL TrCH information list	A4 A0	Not Present	
Added or Reconfigured DL TrCH information	<u>A1, A2</u>	1	
list - Added or Reconfigured DL TrCH			
information			
- Downlink transport channel type		DCH	
- DL Transport channel identity		6	
- CHOICE DL parameters		Same as UL	
- Uplink transport channel type		DCH	
- UL TrCH identity		1	
- DCH quality target			
- BLER Quality value		<u>-2.0</u>	
Added or Reconfigured DL TrCH information	<u>A3, A6</u>	<u>1</u>	
<u>list</u>			
<ul> <li>Added or Reconfigured DL TrCH</li> </ul>			
information		BOLL	
- Downlink transport channel type		DCH	
- DL Transport channel identity		6 Explicit	
- CHOICE DL parameters - TFS		EXPIICIL	
- TFS - CHOICE Transport channel type		Dedicated transport channels	
- Dynamic transport format information		<u>Dodicated transport orialinos</u>	
- RLC Size		1280 bits	
- Number of TBs and TTI List		2	
- Transmission Time Interval		Not Present	
- Number of Transport blocks		0	
- Transmission Time Interval		Not Present	
<ul> <li>Number of Transport blocks</li> </ul>		1	
- CHOICE Logical channel list		<u>ALL</u>	
- Semi-static Transport Format			
information		20	
- Transmission time interval		20 Turbo	
- Type of channel coding - Rate matching attribute		Turbo 256	
- Rate matching attribute - CRC size		2 <u>56</u> 16	
- DCH quality target		10	
- BLER Quality value		-2.0	
Added or Reconfigured DL TrCH information	A4, A7	1	
list	233,737	<u> </u>	
- Added or Reconfigured DL TrCH			
information			
- Downlink transport channel type		<u>DCH</u>	
- DL Transport channel identity		<u>6</u>	
- CHOICE DL parameters		<u>Explicit</u>	
- CHOICE Transport channel type		Dedicated transport channels	
- Dynamic transport format information		2000 hita	
- RLC Size		2880 bits	
- Number of TBs and TTI List - Transmission Time Interval		2 Not Present	
- Number of Transport blocks		Not Present 0	
- Transmission Time Interval		Not Present	
- Transmission fille interval	I	NOUTEGOIL	

Information Element	Condition	Value/remark	Version
- Number of Transport blocks		1	
- CHOICE Logical channel list		ALL	
- Semi-static Transport Format			
information			
<ul> <li>Transmission time interval</li> </ul>		<u>20</u>	
<ul> <li>Type of channel coding</li> </ul>		<u>Turbo</u>	
<ul> <li>Rate matching attribute</li> </ul>		<u>256</u>	
- CRC size		<u>16</u>	
- DCH quality target			
- BLER Quality value		<u>-2.0</u>	
Added or Reconfigured DL TrCH information	<u>A5, A8</u>	<u>1</u>	
<u>list</u>			
- Added or Reconfigured DL TrCH			
information		5011	
- Downlink transport channel type		DCH	
- DL Transport channel identity		<u>6</u>	
- CHOICE DL parameters		Explicit	
- TFS		Dedicated transport shappels	
- CHOICE Transport channel type - Dynamic transport format information		Dedicated transport channels	
- Dynamic transport format information - RLC Size		3840 bite	
- RLC Size - Number of TBs and TTI List		3840 bits	
- Transmission Time Interval		≥ Not Present	
- Number of Transport blocks		0	
- Transmission Time Interval		Not Present	
- Number of Transport blocks		1	
- CHOICE Logical channel list		ÄLL	
- Semi-static Transport Format			
information			
- Transmission time interval		10	
- Type of channel coding		Turbo	
- Rate matching attribute		<u>256</u>	
- CRC size		<u>16</u>	
- DCH quality target			
- BLER Quality value		<u>-2.0</u>	
Frequency info	A1, A2, A3,	Not Present	
	A4, A5, A6,		
	<u>A7, A8</u>		
Maximum allowed UL TX power		<u>33dBm</u>	
CHOICE channel requirement		Uplink DPCH info	
<ul> <li>Uplink DPCH power control info</li> </ul>			
- CHOICE mode		FDD	
- DPCCH power offset		<u>-6dB</u>	
- PC Preamble		1 frame	
- SRB delay		7 frames	
- Power Control Algorithm		Algorithm1	
- TPC step size		1dB Not Present	DEL E
<u>- Δ</u> <u>ACK</u>		Not Present	REL-5
<u> - Δ</u> NACK		Not Present	REL-5
- Ack-Nack repetition factor		Not Present	REL-5
- CHOICE mode		FDD	
- Scrambling code type		Long	
- Scrambling code number		<u>0 (0 to 16777215)</u>	
- Number of DPDCH	A4 A2 A4	<u>1</u>	
- spreading factor	A1, A3, A4,	<u>64</u>	
	A5, A6, A7, A8		
- spreading factor	A0 A2	<u>16</u>	
- TFCI existence	A1, A2, A3, A4, A5, A6,	TRUE	
	A4, A5, A6, A7, A8		
- Number of FBI bit	<u>M1, A0</u>	Not Present(0)	
- Number of FBI bit - Puncturing Limit		Not Present(0)	
CHOICE Mode		FDD	
- Downlink PDSCH information		Not Present	
Downlink HS-PDSCH Information		Not Present	REL-5
Downlink information common for all radio			
11 20.55 min montadon common for dir radio	1	1	1

Information Element	Condition	<u>Value/remark</u>	Version
links - Downlink DPCH info common for all			
<u>RL</u>			
Timing indicator - CFN-targetSFN frame offset		Maintain Not Present	
- Downlink DPCH power control		Not Flesent	
information - CHOICE mode		EDD	
- DPC mode		FDD 0 (single)	
- CHOICE mode		FDD	
- Power offset P <sub>Pilot-DPDCH</sub> - DL rate matching restriction		0 Not Present	
information			
<ul> <li>Spreading factor</li> <li>Fixed or Flexible Position</li> </ul>	<u>A1</u>	128 Fixed	
- TFCI existence		TRUE	
- CHOICE SF - Number of bits for Pilot bits		128 8	
- Spreading factor	A2, A3, A6	32	
- Fixed or Flexible Position		Fixed	
- TFCI existence - CHOICE SF		TRUE 32	
- Spreading factor	<u>A4, A7</u>	<u>16</u>	
- Fixed or Flexible Position - TFCI existence		Fixed TRUE	
- CHOICE SF		<u>16</u>	
- Spreading factor - Fixed or Flexible Position	<u>A5, A8</u>	8 Fixed	
- Fixed of Flexible Position - TFCI existence		Fixed TRUE	
- CHOICE SF		8	
- CHOICE mode	A1, A2, A3, A4, A5, A6,	FDD	
	A7, A8		
- DPCH compressed mode info - TX Diversity mode		None None	
- SSDT information		Not Present	
- Default DPCH Offset Value		Not Present	
Downlink information per radio link list - Downlink information for each radio link			
- CHOICE mode		FDD	
- Primary CPICH info - Primary scrambling code		Reference to clause 6.1 "Default settings	
		(FDD)"	
- PDSCH with SHO DCH info - PDSCH code mapping		Not Present Not Present	
<ul> <li>Downlink DPCH info for each RL</li> </ul>			
- CHOICE mode - Primary CPICH usage for channel		FDD Primary CPICH may be used	
<u>estimation</u>			
- DPCH frame offset		Set to value Default DPCH Offset Value (as currently stored in SS) mod 38 400	
- Secondary CPICH info		Not Present	
- DL channelisation code - Secondary scrambling code		Not Present	
- Secondary scrambling code - Spreading factor	<u>A1</u>	128	
- Code number		<u>96</u>	
<ul><li>Spreading factor</li><li>Code number</li></ul>	A2, A3, A6	<u>32</u> 24	
- Spreading factor	A4, A7	<u>16</u>	
- Code number - Spreading factor	A5, A8	<u>12</u>	
- Code number	<u> </u>	<u>8</u> <u>6</u>	
- Scrambling code change	A1, A2, A3,	No change	
	A4, A5, A6, A7, A8		
- TPC combination index		0	
- SSDT Cell Identity		Not Present	1

Information Element	Condition	<u>Value/remark</u>	<u>Version</u>
<ul> <li>Closed loop timing adjustment mode</li> </ul>		Not Present	
<ul> <li>SCCPCH information for FACH</li> </ul>		Not Present	

Condition	Explanation	Version
<u>A1</u>	This IE is needed for "UE supports CS RAB for Test Loop Mode1 RMC 12.2/12.2 (TM)"	
<u>A2</u>	This IE is needed for "UE supports CS RAB for Test Loop Mode1 RMC 64/64 (TM)"	
A3	This IE is needed for "UE supports CS RAB for Test Loop Mode1 AMC 12.2/64 (AM)"	
A4	This IE is needed for "UE supports CS RAB for Test Loop Mode1 AMC 12.2/144 (AM)"	
A5	This IE is needed for "UE supports CS RAB for Test Loop Mode1 AMC 12.2/384 (AM)"	
A1 A2 A3 A4 A5 A6 A7 A8	This IE is needed for "UE supports PS RAB for Test Loop Mode1 AMC 12.2/64 (AM)"	
A7	This IE is needed for "UE supports PS RAB for Test Loop Mode1 AMC 12.2/144 (AM)"	
<del>88</del>	This IE is needed for "UE supports PS RAB for Test Loop Mode1 AMC 12.2/384 (AM)"	

CHANGE REQUEST			
[ <b>H</b> ]	34.108 CR 403		
For <u>HELP</u> on using this form, see bottom of this page or look at the pop-up text over the $\#$ symbols.			
Proposed change affects: UICC apps ME X Radio Access Network Core Network			
Title:	Addition of GPS scenario and assistance data for A-GPS performance tests in 34.108		
Source: #	3GPP TSG RAN WG5 (Testing)		
Work item code:			
Reason for change	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)  P (editorial modification)  D (editorial modification)  Detailed explanations of the above categories can be found in 3GPP TR 21.900.  Use one of the following releases:  2 (GSM Phase 2)  R96 (Release 1996)  R97 (Release 1997)  R98 (Release 1998)  R99 (Release 1999)  Rel-4 (Release 4)  Rel-5 (Release 5)  Rel-6 (Release 6)		
Reason for change	given in current document  There are no values given for assistance data for performance testing in TS 34.171 given in current document  Editorial errors exist		
Summary of chang	- GPS scenarios for performance testing detailed Values for assistance data for performance testing added - References added - Editorial errors corrected - GPS data file attached to CR for attaching to 34.108		
Consequences if not approved:	- Tests cannot be run or will not be consistent and results will vary Editorial errors persist.		
Clauses affected:	第 2, 10.1, 10.4, 10.5, 10.6, new GPS data file		
Other specs affected:	Y N  X Other core specifications		
Other comments:	æ		

How to create CRs using this form:

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

- 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.
- 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 <a href="ftp://ftp.3gpp.org/specs/">ftp://ftp.3gpp.org/specs/</a> 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.

#### References 2

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

- References are either specific (identified by date of publication, edition number, version number, etc.) or non-specific.
- For a specific reference, subsequent revisions do not apply.
- For a non-specific reference, the latest version applies. In the case of a reference to a 3GPP document (including a GSM document), a non-specific reference implicitly refers to the latest version of that document in the same

Release as the present document.	
[1]	3GPP TS 34.123-1: "User Equipment (UE) conformance specification; Part 1: Protocol conformance specification".
[2]	3GPP TS 34.121: "Terminal Conformance Specification; Radio Transmission and Reception (FDD)".
[3]	3GPP TS 34.123-2: "User Equipment (UE) conformance specification; Part 2: Implementation Conformance Statement (ICS) proforma specification".
[4]	3GPP TS 34.124: "ElectroMagnetic Compatibility (EMC) requirements for Mobile terminals and ancillary equipment".
[5]	3GPP TS 34.122: "Terminal Conformance Specification; Radio Transmission and Reception (TDD)".
[6]	3GPP TS 34.109: "Terminal logical test interface; Special conformance testing functions".
[7]	3GPP TS 25.301 "Radio interface protocol architecture".
[8]	3GPP TS 25.214: "Physical layer procedures (FDD)".
[9]	3GPP TR 21.905: "Vocabulary for 3GPP Specifications".
[10]	3GPP TR 25.990: "Vocabulary".
[11]	3GPP TS 25.101: "User Equipment (UE) radio transmission and reception (FDD)".
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- 3GPP TS 25.102: "User Equipment (UE) radio transmission and reception (TDD)". [12]
- [13] 3GPP TS 25.211: "Physical channels and mapping of transport channels onto physical channels (FDD)".
- 3GPP TS 25.212: "Multiplexing and channel coding (FDD)". [14]
- [15] 3GPP TS 23.107: "Quality of Service (QoS) concept and architecture".
- 3GPP TS 26.110: "Codec for circuit switched multimedia telephony service; General description". [16]
- [17] 3GPP TS 29.007: "General requirements on interworking between the Public Land Mobile Network (PLMN) and the Integrated Services Digital Network (ISDN) or Public Switched Telephone Network (PSTN)".
- [18] 3GPP TR 23.910: "Circuit switched data bearer service".
- [19] Void.
- [20] 3GPP TS 25.104: "Base Station (BS) radio Transmission and Reception (FDD)".

[21]	3GPP TS 25.105: "Base Station (BS) radio Transmission and Reception (TDD)".
[22]	3GPP TS 31.101: "UICC-terminal interface; Physical and logical characteristics".
[23]	3GPP TS 31.102: "Characteristics of the USIM application".
[24]	3GPP TS 33.102: "3G security; Security architecture".
[25]	3GPP TS 33.103: "3G security; Integration guidelines".
[26]	3GPP TS 33.105: "Cryptographic algorithm requirements".
[27]	3GPP TS 25.224: "Physical layer procedures (TDD)".
[28]	3GPP TS 25.221: "Physical channels and mapping of transport channels onto physical channels (TDD)".
[29]	3GPP TS 25.222: "Multiplexing and channel coding (TDD)".
[30]	3GPP TS 25.133: "Requirements for support of radio resource management (FDD)".
[31]	3GPP TS 51.010-1: "Mobile Station (MS) conformance specification; Part 1: Conformance specification".
[32]	3GPP TS 24.008: "Mobile radio interface layer 3 specification; Core network protocols; Stage 3".
[33]	3GPP TS 25.171: "Requirements for support of Assisted Global Positioning System (A-GPS); Frequency Division Duplex (FDD)".
[34]	3GPP TS 25.331: "Radio Resource Control (RRC) protocol specification".
[35]	3GPP TS 25.223: "Spreading and modulation (TDD)".
[36]	3GPP TS 25.304: "User Equipment (UE) procedures in idle mode and procedures for cell reselection in connected mode".
[37]	3GPP TS 25.123: "Requirements for support of radio resource management (TDD)".
[38]	3GPP TS 25.321: "Medium Access Control (MAC) protocol specification".
[39]	3GPP TS 31.120: "UICC-terminal interface; Physical, electrical and logical test specification".
[40]	3GPP TS 31.121: "Base Station System (BSS) equipment specification; Radio aspects".
[41]	3GPP TS 34.171: "Terminal conformance specification; Assisted Global Positioning System (A-GPS); Frequency Division Duplex (FDD)".
[42]	3GPP TS 23.032: "Universal Geographical Area Description (GAD)".
[43]	NATO Standard Agreement STANAG 4294 Issue 1

## NEXT CHANGED SECTION

## 10 A-GPS GPS Scenarios and Assistance Data

## 10.1 General

This clause defines the <u>GPS scenarios and</u> assistance data IEs which shall be available for use as specified in all A-GPS test cases in 3GPP TS 34.171 [35], and 3GPP TS 34.123-1 [1],

The information elements are given with reference to 3GPP TS 25.331 [34], where the details are defined.

Clauses 10.2 and 10.3 list the assistance data IEs required for performance testing of UE-based mode detailed in 3GPP TS 34.171 [41], and clauses 10.4 and 10.5 list the assistance data available for performance testing of UE-assisted mode detailed in 3GPP TS 34.171 [41]. Clause 10.6 lists the values of the assistance data IE fields for performance testing detailed in 3GPP TS 34.171 [41].

Clause 10.7 details the GPS scenario and the values of the assistance data IE fields for signalling testing detailed in 3GPP TS 34.123-1 [1], clause 17.2.

The A-GPS minimum performance requirements are defined by assuming that all relevant and valid assistance data is received by the UE in order to perform GPS measurements and/or position calculation. This clause does not include nor consider delays occurring in the various signalling interfaces of the network.

### 10.1.1 Satellite constellations and assistance data for performance testing

The satellite constellations for performance testing shall consist of 24 satellites. Almanac assistance data shall be available for all these 24 satellites. At least 9 of the satellites shall be visible to the UE (that is above 15 degrees elevation with respect to the UE). Other assistance data shall be available for 9 of these visible satellites. In each test, signals are generated for only a sub-set of these satellites for which other assistance data is available. The number of satellites in this sub-set is specified in the test. The HDOP for the test shall be calculated using this sub-set of satellites. The selection of satellites for this sub-set shall be random and consistent with achieving the required HDOP for the test.

#### 10.1.2 GPS Scenarios for performance testing

This section defines the GPS scenarios that shall be used for all Assisted GPS performance tests defined in TS 34.171 [35].

They have been selected to be consistent with achieving the required HDOP for the Test Cases and so that for each test instance the reference location shall change sufficiently such that the UE shall have to use the new assistance data.

The satellites to be simulated in each test case are specified in clause 10.1.2.5

The viable running time during which the scenario maintains the required HDOP or HDOPs is given. Once this time has been reached the scenario shall be restarted from its nominal start time.

#### 10.1.2.1 GPS Scenario #1

The following GPS scenario #1 shall be used during the TTFF tests defined in TS 34.171 [35]. The assistance data specified in the following sections for GPS scenario #1 is consistent with this GPS scenario.

Yuma Almanac data: see file GPS 1 Yuma.txt in the GPS data perf zip file specified in annex AC.2

<u>UE</u> location: the <u>UE</u> location is calculated as a random offset from the reference location using the method described in section 10.1.2.4. The reference location is: latitude: 33 degrees 45 minutes 0.019 seconds north, longitude: 84 degrees 23 minutes 0.011 seconds west, (Atlanta USA), height: = 300m

Nominal start time: 22nd January 2005 (Saturday) 00:08:00

Viable running time to maintain specified HDOP values: 19 minutes

Visible satellites available for simulation: PRNs: 2, 6, 10, 17, 18, 21, 26, 29, 30

Ionospheric model: see values in section 10.6.6

Tropospheric model: STANAG with SRI equal to 324.8, as defined in [43]

#### 10.1.2.2 GPS Scenario #2

The following GPS scenario #2 shall be used during the TTFF tests defined in TS 34.171 [35]. The assistance data specified in the following sections for GPS scenario #2 is consistent with this GPS scenario.

Yuma Almanac data: see file GPS 2 Yuma.txt in the GPS data perf zip file specified in annex AC.2

<u>UE location</u>: the <u>UE location</u> is calculated as a random offset from the reference location using the method described in section 10.1.2.4. The reference location is: latitude: 37 degrees 48 minutes 59.988 seconds south, longitude: 144 degrees 58 minutes 0.013 seconds east, (Melbourne Australia), height: = 100m

Nominal start time: 22nd January 2004 (Thursday) 00:08:00

Viable running time to maintain specified HDOP values: 19 minutes

Visible satellites available for simulation: PRNs: 3, 9, 11, 14, 15, 18, 22, 23, 25, 31

Ionospheric model: see values in section 10.6.6

Tropospheric model: STANAG with SRI equal to 324.8, as defined in [43]

#### 10.1.2.3 GPS Scenario #3

The following GPS scenario #3 shall be used during the Moving Scenario and Periodic Update TTFF tests case defined in TS 34.171 [35]. The assistance data specified in the following sections for GPS scenario #23 is consistent with this GPS scenario.

Yuma Almanac data: see file GPS 3 Yuma.txt in the GPS data perf zip file specified in annex AC.2

<u>UE location</u>: the <u>UE location</u> is given as a trajectory from the reference location in Figure 5.6.1 of TS 34.171 [35]. The reference location is: latitude: 37 degrees 48 minutes 59.988 seconds south, longitude: 144 degrees 58 minutes 0.013 seconds east, (Melbourne Australia), height: = 100m

Start time: 22nd January 2004 (Thursday) 00:08:00

Visible satellites simulated: PRNs: 3, 14, 15, 22, 25

Measured HDOP range: 2.0 to 2.1

Viable running time to maintain specified HDOP values: 19 minutes

Ionospheric model: see values in section 10.6.6

Tropospheric model: STANAG with SRI equal to 324.8, as defined in [43]

#### 10.1.2.4 UE Location for TTFF test cases

This section defines the method for generating the random UE locations that are required to be used for the TTFF tests defined in TS 34.171 [35].

For every Test Instance in each TTFF test case, the UE location shall be randomly selected to be within 3 km of the Reference Location. The Altitude of the UE shall be randomly selected between 0 m to 1 000 m above WGS-84 reference ellipsoid. These values shall have uniform random distributions.

The UE location is calculated as an offset from the Reference Location.

#### 10.1.2.4.1 UE Location Offset

The UE location offset shall be calculated by selecting the next pair of random numbers, representing a pair of latitude and longitude offsets in degrees, from a standard uniform random number generator, with the following properties:

The ranges of the latitude and longitude offsets values shall be such that when translated onto the surface of the earth they shall lie within a 3km radius circle, centred on the Reference location specified for the GPS scenario under consideration. For the purposes of this calculation make the following assumptions:

a) Over the 3km radius circle at the Reference location the earth is flat and the meridians and parallels form a rectangular grid

b) The earth is spherical with a radius of 6371141m (equal to the WGS 84 value at 35 degrees latitude)

The resolution used for the latitude and longitude offsets values shall be 90/2E23 for the latitude offset values and 360/2E24 for the longitude offset values, representing the coding resolution in degrees specified in TS23.032 [XX42].

#### 10.1.2.4.2 UE Altitude

The UE altitude value shall be calculated by selecting the next random number from a standard uniform random number generator, in the range 0 to 1000, representing meters. The resolution used for the random number shall be 1, representing 1 meter.

#### 10.1.2.5 Satellites to be simulated in each test case

The satellites to be simulated in each test case have been selected in order to achieve the required HDOP for that test case.

Test case	PRNs GPS #1	PRNs GPS #2	PRNs GPS #3
Sensitivity	2, 6, 10, 17, 18, 21,	3, 11, 14, 15, 22, 23,	
Coarse Time	<u>26, 29</u>	<u>25, 31</u>	
<u>Assistance</u>			
Sensitivity	<u>2, 6, 10, 17, 18, 21,</u>	<u>3, 11, 14, 15, 22, 23,</u>	<u>-</u>
Coarse Time	<u>26, 29</u>	<u>25, 31</u>	
<u>Assistance</u>			
<u>Nominal</u>	<u>2, 6, 10, 17, 18, 21,</u>	<u>3, 11, 14, 15, 22, 23,</u>	=
<u>Accuracy</u>	<u>26, 29</u>	<u>25, 31</u>	
Dynamic Range	<u>2, 6, 10, 17, 26, 29</u>	<u>3, 11, 14, 15, 25, 31</u>	<u>-</u>
Multi-path	<u>2, 6, 17, 21, 26</u>	3, 14, 15, 22, 25	Ξ
<u>Performance</u>			
Moving Scenario	Ξ	三	3, 11, 14, 15, 22, 25
and Periodic			
<u>Update</u>			
<u>Performance</u>			

#### Satellites to be simulated

## 10.2 Information elements required for normal UE based testing

The following A-GPS assistance data IEs and fields shall be present for each test. Fields not specified shall not be present. The values of the fields are specified in clause 10.6.

**a) UE positioning GPS reference time IE.** This information element is defined in clause 10.3.7.96 of 3GPP TS 25.331 [34].

Name of the IE	Fields of the IE
UE positioning GPS reference time	
	GPS Week
	GPS TOW msec
	GPS TOW Assist
	SatID
	TLM Message
	TLM Reserved
	Alert
	Anti-Spoof

**b) UE positioning GPS reference UE position IE.** This information element is defined in clause 10.3.8.4c of 3GPP TS 25.331 [34].

Name of the IE	Fields of the IE
Reference Location	Ellipsoid point with Altitude and uncertainty ellipsoid

c) UE positioning GPS navigation model IE. This information element is defined in clause 10.3.7.94 of 3GPP TS 25.331 [34].

Name of the IE	Fields of the IE
Navigation Model	All satellite information

**d) UE positioning GPS ionospheric model IE.** This information element is defined in clause 10.3.7.92 of 3GPP TS 25.331 [34].

Name of the IE	Fields of the IE
Ionospheric Model	All

## 10.3 Information elements required for UE based Sensitivity Fine Time Assistance test case

The A-GPS assistance data IEs and fields that shall be present for the Sensitivity Fine Time Assistance test case shall be those specified in clause 10.2 with the following exception. Fields not specified shall not be present. The values of the fields are specified in clause 10.6.

**UE positioning GPS reference time IE.** This information element is defined in clause 10.3.7.96 of 3GPP TS 25.331 [34].

Name of the IE	Fields of the IE
UE positioning GPS reference time	
	GPS Week
	GPS TOW msec
	UTRAN GPS reference time
	>UTRAN GPS timing of cell frames
	>CHOICE mode
	>>FDD
	>>>Primary CPICH Info
	>SFN
	SFN-TOW Uncertainty
	TUTRAN-GPS drift rate
	GPS TOW Assist
	SatID
	TLM Message
	TLM Reserved
	Alert
	Anti-Spoof

# 10.4 Information elements available for normal UE assisted testing

The following A-GPS assistance data IEs and fields shall be available for use in each test. Fields not specified shall not be present. The values of the fields are specified in clause 10.6.

a) UE positioning GPS reference time IE. This information element is defined in clause 10.3.7.96 of 3GPP TS 25.331 [34].

Name of the IE	Fields of the IE
UE positioning GPS reference time	

GPS Week
GPS TOW msec
GPS TOW Assist
SatID
TLM Message
TLM Reserved
Alert
Anti-Spoof

**b) UE positioning GPS reference UE position IE.** This information element is defined in clause 10.3.8.4c of 3GPP TS 25.331 [34].

Name of the IE	Fields of the IE
Reference Location	Ellipsoid point with Altitude and uncertainty ellipsoid

c) UE positioning GPS almanac This information element is defined in clause 10.3.7.89 of 3GPP TS 25.331 [34].

Name of the IE	Fields of the IE
UE positioning GPS almanac	
	Almanac Reference Week
	All Satellite information

**d) UE positioning GPS navigation model IE.** This information element is defined in clause 10.3.7.94 of 3GPP TS 25.331 [34].

Name of the IE	Fields of the IE	
Navigation Model	All satellite information	

e) UE positioning GPS acquisition assistance IE. This information element is defined in clause 10.3.7.88 of 3GPP TS 25.331 [34].

Name of the IE	Fields of the IE
Acquisition Assistance	
-	GPS TOW msec
_	Satellite information
-	>SatID
	>Doppler (0 <sup>th</sup> order term)
	>Extra Doppler
	>>Doppler (1st order term)
	>>Doppler Uncertainty
	>Code Phase
	>Integer Code Phase
	>GPS Bit number
	>Code Phase Search Window
	>Azimuth and Elevation
	>> Azimuth
	>> Elevation

# 10.5 Information elements available for UE assisted Sensitivity Fine Time Assistance test case

The A-GPS assistance data IEs and fields that shall be available for use for the Sensitivity Fine Time Assistance test case shall be those specified in clause 10.4 with the following exceptions. Fields not specified shall not be present. The values of the fields are specified in clause 10.6.

**a) UE positioning GPS reference time IE.** This information element is defined in clause 10.3.7.96 of 3GPP TS 25.331 [34].

Name of the IE	Fields of the IE

UE positioning GPS reference time	
	GPS Week
	GPS TOW msec
	UTRAN GPS reference time
	>UTRAN GPS timing of cell frames
	>CHOICE mode
	>>FDD
	>>Primary CPICH Info
	>SFN
	SFN-TOW Uncertainty
	TUTRAN-GPS drift rate
	GPS TOW Assist
	SatID
	TLM Message
	TLM Reserved
	Alert
	Anti-Spoof

**b) UE positioning GPS acquisition assistance IE.** This information element is defined in clause 10.3.7.88 of 3GPP TS 25.331 [34].

Name of the IE	Fields of the IE
Acquisition Assistance	
_	GPS TOW msec
_	UTRAN GPS reference time
-	>UTRAN GPS timing of cell frames
_	>CHOICE mode
-	>>FDD
_	>>>Primary CPICH Info
-	>SFN
_	Satellite information
_	>SatID
	>Doppler (0 <sup>th</sup> order term)
	>Extra Doppler
	>>Doppler (1st order term)
	>>Doppler Uncertainty
	>Code Phase
	>Integer Code Phase
	>GPS Bit number
	>Code Phase Search Window
	>Azimuth and Elevation
	>> Azimuth
	>> Elevation

## 10.6 Contents of Information elements for performance testing

[Editors note: It is expected that the notes below will be deleted as the IEs are specified in detail]

## <u>10.6.1 General</u>

This section defines the assistance data values that shall be used for all Assisted GPS performance tests defined in TS 34.171 [35]. It is given for GPS scenarios #1, #2 and #3 where it is different for each scenario; otherwise it is marked "All" where the same value is used for all scenarios.

Where assistance data is required on a per-satellite basis, or where the values of the data also varies with time it is specified in comma-separated-variable files with suffixes XX in the GPS data perf zip file specified in annex AC.2, where XX is 01, 02 and 03 for GPS scenarios #1, #2 and #3 respectively. These files specify the values to be used for each satellite, indexed by satellite PRN, and, where applicable, the values to be used indexed by both time and satellite PRN.

Assistance data that is marked as "time varying", and the GPS TOW msec field are only specified and used in [100] ms increments. Interpolation between these values shall not be used.

Assistance data Information Elements and fields that are not specified shall not be used.

#### 10.6.2 IE Random Offset Values

This section defines the methods for generating the random offsets that are required to be applied to one or two assistance data IEs for certain tests defined in TS 34.171 [35].

#### 10.6.2.1 GPS TOW msec

For every Test Instance in each TTFF test case, the IE GPS TOW msec shall have a random offset, relative to GPS system time, within the allowed error range of Coarse Time Assistance defined in the test case. This offset value shall have a uniform random distribution.

Note: For the Moving Scenario and Periodic Update Test Case the value of the IE GPS TOW msec shall be set to the nominal value, i.e. no offset shall be used.

The offset value shall be calculated by selecting the next random number from a standard uniform random number generator, in the range specified for the GPS Coarse Time assistance error range in the Test Requirements, Test parameters table for the test under consideration. The resolution used for the random number shall be 0.01, representing 10ms.

#### 10.6.2.1 UTRAN GPS timing of cell frames

In addition, for every Fine Time Assistance Test Instance the IE UTRAN GPS timing of cell frames shall have a random offset, relative to the true value of the relationship between the two time references, within the allowed error range of Fine Time Assistance defined in the test case. This offset value shall have a uniform random distribution.

The offset value shall be calculated by selecting the next random number from a standard uniform random number generator with the following properties:

The range shall be the number of UMTS chips whose duration is less than the range specified for the GPS Fine Time assistance error range in the Test Requirements, Test parameters table for the test under consideration.

The resolution used for the random number shall be 1, representing 1 UMTS chip.

#### 10.6.3 Assistance Data Reference Time

Contents of UE positioning GPS reference time IE

Information Element	Value/remark	<del>Version</del>
GPS Week	FES	
GPS TOW msec	FES	
UTRAN GPS reference time	FES	
>UTRAN GPS timing of cell frames	<del>FFS</del>	
>CHOICE mode	FES	
<del>&gt;&gt;FDD</del>	<del>FFS</del>	
>>>Primary CPICH Info	FES	
<del>&gt;&gt;TDD</del>	Not present	
>>>cell parameters id	Not present	
>SFN	<del>FFS</del>	
SFN-TOW Uncertainty	<del>FES</del>	
TUTRAN GPS drift rate	0	
GPS TOW Assist	lessThan10	
SatID	FES	
TLM Message	FES	
TLM Reserved	FFS	
Alert	FFS	
Anti-Spoof	<del>FFS</del>	

NOTE 1: For every Test Instance in each TTFF test case, the GPS reference time shall be advanced so that, at the time the fix is made, it is at least 2 minutes later than the previous fix. Reference Time (Fields occurring once per message)

<u>Parameter</u>	<u>Units</u>	Value/remark GPS	Value/remark GPS	Value/remark GPS
		<u>#1</u>	<u>#2</u>	<u>#3</u>
GPS Week	<u>weeks</u>	<u>282</u>	<u>230</u>	<u>230</u>
GPS TOW msec	msec	<del>FFS</del> 518880000 <del>_ms</del> .	FFS ms346080000.	FFS ms346080000.
		Start time. Add	Start time. Add	Start time. Add
		integer number of	integer number of	integer number of
		[10] ms as required.	[10] ms as required.	[10] ms as required.
		(Note)	(Note)	(Note)
UTRAN GPS		Present for	Present for	Absent
reference time		Sensitivity Fine Time	Sensitivity Fine Time	
		Assistance test	Assistance test	
		case. Absent	case. Absent	
		<u>otherwise</u>	<u>otherwise</u>	
>UTRAN GPS		<u>FFS</u>	<u>FFS</u>	=
timing of cell				
frames				
>CHOICE mode		Present for	Present for	-Absent
		Sensitivity Fine Time	Sensitivity Fine Time	
		Assistance test	Assistance test	
		case. Absent	case. Absent	
		<u>otherwise</u>	<u>otherwise</u>	
>>FDD				
>>>Primary		<u>FFS-100</u>	<u>FFS-100</u>	<del>-FFS</del>
CPICH Info				
>SFN		FFS	FFS	- <del>FFS</del>
SFN-TOW		lessThan10	lessThan10	<del>lessThan10</del>
Uncertainty				
TUTRAN-GPS		<u>0</u>	<u>0</u>	<u>-0</u>
drift rate		_	_	_
Note: GPS TOW		l .	l .	·

#### Note: GPS TOW msec

This is the value in ms of GPS TOW msec when the GPS scenario is initially started in the GPS simulator. For all TTFF test cases, each time a GPS scenario is used, the GPS start time shall be advanced by 120 seconds from the value last used so that, at the time the fix is made, it is at least 2 minutes later than the previous fix made with that scenario.

The actual value of GPS TOW msec to be used in the Reference Time IE shall be calculated at the time the IE is required by adding the elapsed time since the time the scenario was started in the GPS simulator to this value, rounded up to the next [10] ms interval. This "current GPS TOW msec" value is then also used to determine the value of any other parameters marked as "Time varying" in clause 10.6

#### Note: GPS TOW msec

This is the value in ms of GPS TOW msee when the GPS scenario is started in the GPS simulator. The value of GPS TOW msee to be used in the Reference Time IE shall be calculated at the time the IE is required by adding the elapsed time since the time the scenario was started in the GPS simulator to this value, rounded up to the next [10] ms interval. This "current GPS TOW msee" is then also used to determine the value of any other parameters marked as "Time varying" in clause 10.6

NOTE 1: For every Test Instance in each TTFF test case, the GPS reference time shall be advanced so that, at the time the fix is made, it is at least 2 minutes later than the previous fix.

#### **Satellite Information**

<u>Parameter</u>	<u>Units</u>	Value/remark GPS All
Number of satellites	<u></u>	9

#### Reference Time - GPS TOW Assist (Fields occurring once per satellite)

<u>Parameter</u>	<u>Units</u>	Value/remark GPS #1	Value/remark GPS #2	Value/remark GPS #3
SatID		PRNs: 2, 6, 10, 17, 18,	PRNs: 3, 9, 11, 14, 15,	PRNs: 3, 9, 11, 14, 15,
		<u>21, 26, 29, 30</u>	<u>22, 23, 25, 31</u>	22, 23, 25, 31

#### Reference Time - GPS TOW Assist (Fields occurring once per satellite)

<u>Parameter</u>	<u>Units</u>	Value/remark GPS All
TLM Message		See file: GPS TOW Assist XX.csv
TLM Reserved		See file: GPS TOW Assist XX.csv
Alert		See file: GPS TOW Assist XX.csv
Anti-Spoof		See file: GPS TOW Assist XX.csv

- NOTE 2: For every Test Instance in each TTFF test case, the IE GPS TOW msec shall have a random offset, relative to GPS system time, within the allowed error range of Coarse Time Assistance defined in the test case. This offset value shall have a uniform random distribution.
- NOTE 3: In addition, for every Fine Time Assistance Test Instance the IE UTRAN GPS timing of cell frames shall have a random offset, relative to the true value of the relationship between the two time references, within the allowed error range of Fine Time Assistance defined in the test case. This offset value shall have a uniform random distribution.
- NOTE 4: For the Moving Scenario and Periodic Update Test Case the values of the IEs GPS TOW msec and IE UTRAN GPS timing of cell frames shall be set to the nominal values.

#### 10.6.4 Assistance Data Reference Position

Contents of UE positioning GPS reference UE position IE

Information Element	Value/remark	<del>Version</del>
Ellipsoid point with Altitude and uncertainty ellipsoid	<del>FFS</del>	

NOTE: There is no limitation on the selection of the reference location, consistent with achieving the required HDOP for the Test Case. For each test instance the reference location shall change sufficiently such that the UE shall have to use the new assistance data. The uncertainty of the semi-major axis is 3 km. The uncertainty of the semi-minor axis is 3 km. The orientation of major axis is 0 degrees. The uncertainty of the altitude information is 500 m. The confidence factor is 68 %.

#### **Reference Position**

<u>Parameter</u>	<u>Units</u>	Value/remark GPS #1	Value/remark GPS #2	Value/remark GPS #3
Type of	Bit field	Ellipsoid point with	Ellipsoid point with	Ellipsoid point with
<u>Shape</u>		altitude and uncertainty	altitude and uncertainty	altitude and uncertainty
		Ellipsoid	Ellipsoid	Ellipsoid
Degrees of	degrees	33.750005277778	<u>-37.816663333333</u>	<u>-37.816663333333</u>
<u>latitude</u>				
Degrees of	<u>degrees</u>	<u>-84.383516666667</u>	<u>144.966670277778</u>	<u>144.966670277778</u>
<u>longitude</u>				
<u>Altitude</u>	<u>m</u>	<u>+300</u>	<u>+100</u>	<u>+100</u>
Uncertainty	<u>m</u>	<u>3000</u>	<u>3000</u>	<u>3000</u>
semi-major				
<u>Uncertainty</u>	<u>m</u>	<u>3000</u>	<u>3000</u>	<u>3000</u>
semi-minor				
Orientation	degrees	<u>0</u>	<u>0</u>	<u>0</u>
of major				
<u>axis</u>				
Uncertainty	<u>m</u>	<u>500</u>	<u>500</u>	<u>500</u>
<u>altitude</u>				
Confidence	<u>%</u>	<u>68</u>	<u>68</u>	<u>68</u>

## 10.6.5 Assistance Data Navigation Model

Contents of UE positioning GPS navigation model IE

Information Element	Value/remark	<del>Version</del>
All satellite information	<del>FFS</del>	

#### **Satellite Information**

<u>Parameter</u>	<u>Units</u>	Value/remark GPS All
Number of satellites	<u></u>	9

#### Navigation Model (Fields occurring once per satellite)

<u>Parameter</u>	<u>Units</u>	Value/remark	Value/remark	Value/remark
		GPS #1	GPS #2	GPS #3
SatID	<u></u>	PRNs: 2, 6, 10, 17, 18, 21, 26, 29, 30	PRNs: 3, 9, 11, 14, 15, 22, 23, 25, 31	PRNs: 3, 9, 11, 14, 15, 22, 23, 25, 31
Satellite Status	<u>Boolean</u>	<u>0 (Note)</u>	<u>0 (Note)</u>	0 (Note)

Note: For consistency Satellite Status is also given in file: Navigation model XX.csv

**Ephemeris and Clock Correction parameters (Fields occurring once per satellite)** 

<u>Parameter</u>	<u>Units</u>	Value/remark GPS All
C/A or P on L2	Boolean	See file: Navigation model XX.csv
URA Index	Boolean	See file: Navigation model XX.csv
SV Health	Boolean	See file: Navigation model XX.csv
IODC	<u></u>	See file: Navigation model XX.csv
L2 P Data Flag	Boolean	See file: Navigation model XX.csv
SF 1 Reserved	<u>=</u>	See file: Navigation model XX.csv
T <sub>GD</sub>	sec	See file: Navigation model XX.csv
<u>t</u> oc	sec	See file: Navigation model XX.csv
<u>af</u> <sub>2</sub>	sec/sec <sup>2</sup>	See file: Navigation model XX.csv
<u>af</u> 1	sec/sec	See file: Navigation model XX.csv
<u>af</u> <sub>0</sub>	sec	See file: Navigation model XX.csv
<u>C</u> rs	<u>meters</u>	See file: Navigation model XX.csv
<u>Δn</u>	semi-circles/sec	See file: Navigation model XX.csv
<u>M</u> <sub>0</sub>	semi-circles	See file: Navigation model XX.csv
Cuc	radians	See file: Navigation model XX.csv
<u>e</u>	<u></u>	See file: Navigation model XX.csv
Cue	radians	See file: Navigation model XX.csv
(A) <sup>1/2</sup>	meters <sup>1/2</sup>	See file: Navigation model XX.csv
<u>toe</u>	sec	See file: Navigation model XX.csv
Fit Interval Flag	Boolean	See file: Navigation model XX.csv
AODO	sec	See file: Navigation model XX.csv
<u>C<sub>ic</sub></u>	<u>radians</u>	See file: Navigation model XX.csv
OMEGA <sub>0</sub>	semi-circles	See file: Navigation model XX.csv
<u>C</u> <sub>is</sub>	<u>radians</u>	See file: Navigation model XX.csv
<u>io</u>	semi-circles	See file: Navigation model XX.csv
Crc	<u>meters</u>	See file: Navigation model XX.csv
<u>ω</u>	semi-circles	See file: Navigation model XX.csv
<u>OMEGAdot</u>	semi-circles/sec	See file: Navigation model XX.csv
<u>ldot</u>	semi-circles/sec	See file: Navigation model XX.csv

## 10.6.6 Assistance Data Ionospheric Model

Contents of UE positioning GPS ionospheric model IE

Information Element	Value/remark	<del>Version</del>
All	<del>FFS</del>	

NOTE: Typical Ionospheric and Tropospheric delays shall be simulated and the corresponding values inserted into the Ionospheric Model IEs.

#### **Ionospheric Model**

<u>Parameter</u>	<u>Units</u>	Value/remark GPS All
$\underline{\alpha}_0$	<u>seconds</u>	4.6566129 10E-9
<u>α</u> 1	sec/semi-circle	1.4901161 10E-8
<u>α</u> 2	sec/(semi-circle) <sup>2</sup>	<u>-5.96046 10E-8</u>
<u>α</u> <sub>3</sub>	sec/(semi-circle) <sup>3</sup>	<u>-5.96046 10E-8</u>
<u>β</u> <sub>0</sub>	<u>seconds</u>	<u>79872</u>
<u>β</u> 1	sec/semi-circle	<u>65536</u>
<u>β</u> 2	sec/(semi-circle) <sup>2</sup>	<u>-65536</u>
<u>β</u> 3	sec/(semi-circle) <sup>3</sup>	<u>-393216</u>

## 10.6.7 Assistance Data Almanac

Contents of UE positioning GPS almanac

Information Element	Value/remark	<del>Version</del>
Almanac Reference Week	FFS	
Satellite information	FFS	

#### Almanac (Field occurring once per message)

<u>Parameter</u>	<u>Units</u>	Value/remark GPS #1	Value/remark GPS #2	Value/remark GPS #3
<u>WN</u> a	weeks	<u>283</u>	230	230

#### **Satellite Information**

<u>Parameter</u>	<u>Units</u>	Value/remark GPS All
Number of satellites	-	<u>24</u>

#### Almanac (Fields occurring once per satellite)

<u>Parameter</u>	<u>Units</u>	<u>Value/remark</u>
<u>DataID</u>		See file: Almanac XX.csv

#### Almanac (Fields occurring once per satellite)

<u>Parameter</u>	<u>Units</u>	Value/remark GPS #1	Value/remark GPS #2	Value/remark GPS #3
SatID		PRNs: FFS1, 2, 4, 5, 6,	PRNs: 1, 2, 3, 4, 5, 6,	PRNs: 1, 2, 3, 4, 5, 6,
		<u>7, 9, 10, 11, 14, 15, 16, </u>	<u>7, 8, 11, 13, 14, 15, 16, </u>	<u>7, 8, 11, 13, 14, 15, 16,</u>
		17, 18, 19, 20, 21, 22,	17, 18, 20, 21, 22, 23,	17, 18, 20, 21, 22, 23,
		24, 25, 26, 27, 29, 30	25, 27, 28, 30, 31 <del>FFS</del>	25, 27, 28, 30, 31 <del>FFS</del>

#### Almanac (Fields occurring once per satellite)

<u>Parameter</u>	<u>Units</u>	<u>Value/remark</u>
<u>e</u>	dimensionless	See file: Almanac XX.csv
<u>t<sub>oa</sub></u>	sec	See file: Almanac XX.csv
<u>δi</u>	semi-circles	See file: Almanac XX.csv
OMEGADOT	semi-circles/sec	See file: Almanac XX.csv
SV Health	<u>Boolean</u>	See file: Almanac XX.csv
<u>A<sup>1/2</sup></u>	meters <sup>1/2</sup>	See file: Almanac XX.csv
OMEGA <sub>0</sub>	semi-circles	See file: Almanac XX.csv
<u>M</u> <sub>0</sub>	semi-circles	See file: Almanac XX.csv
<u>ω</u>	semi-circles	See file: Almanac XX.csv
<u>af<sub>0</sub></u>	seconds	See file: Almanac XX.csv
af <sub>1</sub>	sec/sec	See file: Almanac XX.csv

## 10.6.8 Assistance Data Acquisition Assistance

Contents of UE positioning GPS acquisition assistance IE

п			
ı	Information Floment	Value/remark	Vorcion
	<del>IIIIOIIIIAUOII EICIIICIII</del>	<del>vaiuc/iciliaik</del>	<del>version</del>

Information Element	Value/remark	<b>Version</b>
GPS TOW msec	FES	
UTRAN GPS reference time	FES	
>UTRAN GPS timing of cell frames	FFS	
>CHOICE mode	FES	
>>FDD	FES	
>>>Primary CPICH Info	FES	
>SEN	FES	
Satellite information	FES	
> <del>SatID</del>	FES	
>Doppler (0 <sup>th</sup> -order term)	<del>FFS</del>	
>Extra Doppler	FES	
->>Doppler (1 <sup>st</sup> order term)	<del>FFS</del>	
>>Doppler Uncertainty	<del>FFS</del>	
>Code Phase	<del>FFS</del>	
>Integer Code Phase	<del>FES</del>	
>GPS Bit number	<del>FFS</del>	
>Code Phase Search Window	FES	•
>Azimuth and Elevation	FES	
>> Azimuth	FES	
>> Elevation	FFS	

NOTE: There is no limitation on the selection of the reference location, consistent with achieving the required HDOP for the Test Case. For each test instance the reference location shall change sufficiently such that the UE shall have to use the new assistance data. The uncertainty of the semi-major axis is 3 km. The uncertainty of the semi-minor axis is 3 km. The orientation of major axis is 0 degrees. The uncertainty of the altitude information is 500 m. The confidence factor is 68 %.

#### **GPS Acquisition Assist (Fields occurring once per message)**

<u>Parameter</u>	<u>Units</u>	Value/remark GPS	Value/remark GPS	Value/remark GPS
		<u>#1</u>	<u>#2</u>	<u>#3</u>
GPS TOW msec	msec	FFS ms. Start time.	FFS ms. Start time.	FFS ms. Start time.
		Add integer number	Add integer number	Add integer number
		of [10] ms as	of [10] ms as	of [10] ms as
		required. (Note)	required. (Note)	required. (Note)
UTRAN GPS		Present for	Present for	<u>Absent</u>
reference time		Sensitivity Fine Time	Sensitivity Fine Time	
		Assistance test case.	Assistance test case.	
		Absent otherwise	Absent otherwise	
>UTRAN GPS		<u>FFS</u>	<u>FFS</u>	=
timing of cell				
<u>frames</u>				
>CHOICE mode		Present for	Present for	- <del>Absent</del>
		Sensitivity Fine Time	Sensitivity Fine Time	
		Assistance test case.	Assistance test case.	
		Absent otherwise	Absent otherwise	
<u>&gt;&gt;FDD</u>		_	_	<u></u>
>>>Primary		<u>FFS</u>	<u>FFS</u>	<u>-FFS</u>
CPICH Info				
>SFN		<u>FFS</u>	<u>FFS</u>	<u>-FFS</u>
Made: ODO TOW.		· · · · · · · · · · · · · · · · · · ·	·	

#### Note: GPS TOW msec

This is the value in ms of GPS TOW msec when the GPS scenario is initially started in the GPS simulator. For all TTFF test cases, each time a GPS scenario is used, the GPS start time shall be advanced by 120 seconds from the value last used so that, at the time the fix is made, it is at least 2 minutes later than the previous fix made with that scenario.

The actual value of GPS TOW msec to be used in the Acquisition Assistance IE shall be calculated at the time the IE is required by adding the elapsed time since the time the scenario was started in the GPS simulator to this value, rounded up to the next [10] ms interval. This "current GPS TOW msec" value is then also used to determine the value of any other parameters marked as "Time varying" in clause 10.6.8

#### **Note: GPS TOW msec**

This is the value in seconds of GPS TOW msec when the GPS scenario is started in the GPS simulator. The value of GPS TOW msec to be used in the Acquisition Assistance IE shall be calculated at the time the IE is required by adding the elapsed time since the time the scenario was started in the GPS simulator to this value, rounded up to the next [10] ms interval.

#### **Satellite Information**

<u>Parameter</u>	<u>Units</u>	Value/remark GPS All
Number of satellites	<u></u>	<u>9</u>

#### **GPS Acquisition Assist (Fields occurring once per satellite)**

<u>Parameter</u>	<u>Units</u>	Value/remark GPS #1	Value/remark GPS #2	Value/remark GPS #3
SatID		PRNs: 2, 6, 10, 17, 18, 21,	PRNs: 3, 9, 11, 14, 15, 22,	PRNs: 3, 9, 11, 14, 15, 22,
		<u>26, 29, 30</u>	23, 25, 31	<u>23, 25, 31</u>

#### **GPS** Acquisition Assist (Fields occurring once per satellite)

<u>Parameter</u>	<u>Units</u>	Value/remark GPS All
Doppler (0 <sup>th</sup> order term)	<u>Hz</u>	Time varying. See file: Acquisition assist XX.csv (Note)
Doppler (1 <sup>st</sup> order term)	Hz/sec	Time varying. See file: Acquisition assist XX.csv (Note)
Doppler Uncertainty	Hz	Time varying. See file: Acquisition assist XX.csv (Note)
Code Phase	chips	Time varying. See file: Acquisition assist XX.csv (Note)
Integer Code Phase		Time varying. See file: Acquisition assist XX.csv (Note)
GPS Bit number		Time varying. See file: Acquisition assist XX.csv (Note)
Code Phase Search Window	<u>chips</u>	Time varying. See file: Acquisition assist XX.csv (Note)
<u>Azimuth</u>	deg	Time varying. See file: Acquisition assist XX.csv (Note)
<u>Elevation</u>	deg	Time varying. See file: Acquisition assist XX.csv (Note)

#### **Note: Acquisition Assist parameters**

This field is "Time varying" and its value depends on the "current GPS TOW msec" as described in clause 10.6.8. The value of this field to be used shall be determined by taking the "current GPS TOW msec" value and selecting the field value in the Acquisition assist.csv file corresponding to the value of "current GPS TOW msec".

#### **Note: Acquisition Assist parameters**

This field is "Time varying" and its value depends on the "current GPS TOW msee" as described in clause 10.6.3. The value of this field to be used shall be determined by taking the "current GPS TOW msee" value and selecting the field value in the Acquisition assist.csv file corresponding to the value of "current GPS TOW msee".

## *Tdoc* **≋***R5-050709*

## 3GPP TSG RAN WG5 Meeting #27 Bath, England, 25-29 April, 2005

	CHANG	E REQUEST	•	CR-Form-v7			
[ <b>æ</b> ]	34.108 CR 404	⊭ rev - ¤	Current version:	<b>5.4.0</b> <sup>×</sup>			
For <u>HELP</u> on usi	ing this form, see bottom of t	his page or look at th	e pop-up text over	the 器 symbols.			
Proposed change at	Proposed change affects: UICC apps   ME X Radio Access Network Core Network						
Title:	CR 34.108 Addition of spec procedures in clause 7.5	ific message content	to A-GPS performa	ince test			
Source: 選	3GPP TSG RAN WG5 (Tes	ting)					
Work item code:	TEI		Date: <mark>黑 15/</mark> 0	04/2005			
	Use one of the following category  F (correction)  A (corresponds to a correct  B (addition of feature),  C (functional modification)  Detailed explanations of the about the found in 3GPP TR 21.900.	ction in an earlier releas	e) R96 (Relea R97 (Relea R98 (Relea R99 (Relea Rel-4 (Relea Rel-5 (Relea				
Reason for change:	Specific message control procedures are undefined to the control of the control o		ons for A-GPS perfo	ormance test			
Summary of change	- Message content for ladded Unnecessary A-GPS						
Consequences if not approved:	Message content rema to different results.	ins undefined and dif	ferent test impleme	ntations may lead			
Clauses affected:	<b>光</b> 7.5						
Other specs affected:	Y N  X Other core specification X O&M Specification	ns					
Other comments:	<b>x</b>						

#### How to create CRs using this form:

Comprehensive information and tips about how to create CRs can be found at <a href="http://www.3gpp.org/specs/CR.htm">http://www.3gpp.org/specs/CR.htm</a>. 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  $\underline{\text{ftp://ftp.3gpp.org/specs/}}$  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.

# 7.5 Test procedures for A-GPS Performance requirements testing

This clause specifies the A GPS-procedures that shall be used for testing of A-GPS Performance requirements in TS 34.171 [41].

#### 7.5.1 Normal UE based A-GPS procedure

The procedure in this clause shall be used for all UE-based A-GPS TTFF test cases in CELL\_DCH and CELL\_FACH state as specified in TS 34.171 [41].

#### 7.5.1.1 Initial conditions

FFSUser Equipment:

The UE is in CELL DCH or CELL FACH state after executing the procedure defined in clause D.2 of TS 34.171 [41].

#### 7.5.1.2 Procedure

#### **FFS**

Step	Direction	Message	Comments
Step	UE SS	Wiessage	Comments
1	<b>←</b>	RESET UE POSITIONING STORED INFORMATION	TC
2	<b>←</b>	RRC MEASUREMENT CONTROL	RRC (Setup, No Reporting, Nav model Satellites 1, 2, 3, 4, 5 (1))
3	<b>←</b>	RRC MEASUREMENT CONTROL	RRC (Modify, No Reporting, Nav model Satellites 6, 7, 8, 9 (1), Iono Model)
4	<b>←</b>	RRC MEASUREMENT CONTROL	RRC (Modify, Periodical Reporting Criterion, GPS Ref time (1), ReferencePosition (1))
5	$\rightarrow$	RRC MEASUREMENT REPORT	RRC (Position Estimate), 1 <sup>st</sup> test instance
6	←	RESET UE POSITIONING STORED INFORMATION	TC
7	<b>←</b>	RRC MEASUREMENT CONTROL	RRC (Setup, No Reporting, Nav model Satellites 1, 2, 3, 4,5 (2))
8	<b>←</b>	RRC MEASUREMENT CONTROL	RRC (Modify, No Reporting, Nav model Satellites 6, 7, 8, 9 (2), Iono Model)
9	<b>←</b>	RRC MEASUREMENT CONTROL	RRC (Modify, Periodical Reporting Criterion, GPS Ref time (2), ReferencePosition (2))
10	$\rightarrow$	RRC MEASUREMENT REPORT	RRC (Position Estimate), 2 <sup>nd</sup> test instance
11	<b>←</b>	RESET UE POSITIONING STORED INFORMATION	TC
n	<i>→</i>	RRC MEASUREMENT REPORT	RRC (Position Estimate), n <sup>th</sup> test instance

#### 7.5.1.3 Specific message contents

All assistance data message contents shall be referred to clause 10 "A GPS assistance data".

#### Contents of MEASUREMENT CONTROL message: RRC

Information Element	Value/remark
Measurement Reporting Mode	Periodical reporting
Amount of reporting	4
Reporting interval	<del>20 000 ms</del>
Horizontal accuracy	<del>50 m</del>
Vertical accuracy	<del>100 m</del>

## Contents of RESET UE POSITIONING STORED INFORMATION message:\_-TCRRC

Information Element	Value/remark	
UE Positioning Technology	AGPS	

#### Contents of MEASUREMENT CONTROL messages: RRC

## MEASUREMENT CONTROL (Steps 2 + (n-1)\*5):

Information element	Value/remark
Measurement Information Elements	
Measurement Identity	10
Measurement Command	Setup
Measurement Reporting Mode	
- Measurement report transfer mode	Acknowledged mode RLC
<ul> <li>Periodical reporting / Event trigger reporting mode</li> </ul>	Periodical reporting
Additional Measurements List	Not present
CHOICE Measurement type	UE positioning measurement
<ul> <li>UE positioning measurement</li> </ul>	
<ul> <li>UE positioning reporting quantity</li> </ul>	
- Method type	<u>UE based</u>
- Positioning methods	<u>GPS</u>
- Response time	<u>128</u>
- Horizontal accuracy	<u>19 (51 m)</u>
- Vertical accuracy	48 (102 m)
- GPS timing of cell wanted	<u>FALSE</u>
- Multiple sets	<u>FALSE</u>
<ul> <li>- Additional assistance data request</li> </ul>	<u>FALSE</u>
<ul> <li>Environmental characterization</li> </ul>	Not present
- Measurement validity	
<u>- UE state</u>	All states
- CHOICE Reporting criteria	
- No reporting	
<ul> <li>UE pos OTDOA assistance data for UE-assisted</li> </ul>	Not present
<ul> <li>UE pos OTDOA assistance data for UE-based</li> </ul>	Not present
<ul> <li>UE positioning GPS assistance data</li> </ul>	
<ul> <li>- UE positioning GPS navigation model</li> </ul>	Satellites 1-5 as specified in clause 10
Physical Channel Information Elements	
DPCH compressed mode status info	Not present

## MEASUREMENT CONTROL (Steps 3 + (n-1)\*5):

Information element	Value/remark
Measurement Information Elements	
Measurement Identity	<u>10</u>
Measurement Command	<u>Modify</u>
Measurement Reporting Mode	
- Measurement report transfer mode	Acknowledged mode RLC
<ul> <li>Periodical reporting / Event trigger reporting mode</li> </ul>	Periodical reporting
Additional Measurements List	Not present
CHOICE Measurement type	UE positioning measurement
<ul> <li>UE positioning measurement</li> </ul>	
<ul> <li>UE positioning reporting quantity</li> </ul>	
- Method type	<u>UE based</u>
<ul> <li>Positioning methods</li> </ul>	<u>GPS</u>
- Response time	<u>128</u>
- Horizontal accuracy	<u>19 (51 m)</u>
- Vertical accuracy	48 (102 m)
- GPS timing of cell wanted	<u>FALSE</u>
- Multiple sets	<u>FALSE</u>
<ul> <li>- Additional assistance data request</li> </ul>	<u>FALSE</u>
<ul> <li>Environmental characterization</li> </ul>	Not present
- Measurement validity	
<u> </u>	All states
- CHOICE Reporting criteria	
- No reporting	
<ul> <li>UE pos OTDOA assistance data for UE-assisted</li> </ul>	Not present
<ul> <li>UE pos OTDOA assistance data for UE-based</li> </ul>	Not present
<ul> <li>UE positioning GPS assistance data</li> </ul>	
<ul> <li>UE positioning GPS navigation model</li> </ul>	Satellites 6-9 as specified in clause 10
<ul> <li>UE positioning GPS ionospheric model</li> </ul>	As specified in clause 10
Physical Channel Information Elements	
DPCH compressed mode status info	Not present

#### MEASUREMENT CONTROL (Steps 4 + (n-1)\*5):

Information element	Value/remark
Measurement Information Elements	
Measurement Identity	<u>10</u>
Measurement Command	<u>Modify</u>
Measurement Reporting Mode	
- Measurement report transfer mode	Acknowledged mode RLC
<ul> <li>Periodical reporting / Event trigger reporting mode</li> </ul>	Periodical reporting
Additional Measurements List	Not present
CHOICE Measurement type	UE positioning measurement
<ul> <li>UE positioning measurement</li> </ul>	
<ul> <li>UE positioning reporting quantity</li> </ul>	
- Method type	<u>UE based</u>
<ul> <li>Positioning methods</li> </ul>	<u>GPS</u>
- Response time	<u>128</u>
<ul> <li>Horizontal accuracy</li> </ul>	<u>19 (51 m)</u>
- Vertical accuracy	<u>48 (102 m)</u>
<ul> <li>GPS timing of cell wanted</li> </ul>	<u>FALSE</u>
- Multiple sets	<u>FALSE</u>
<ul> <li>- Additional assistance data request</li> </ul>	<u>FALSE</u>
<ul> <li>Environmental characterization</li> </ul>	Not present
- Measurement validity	
<u> </u>	<u>All states</u>
- CHOICE Reporting criteria	Periodical Reporting Criteria
<ul> <li>- Amount of reporting</li> </ul>	1
- Reporting Interval	<u>20000</u>
<ul> <li>UE pos OTDOA assistance data for UE-assisted</li> </ul>	Not present
<ul> <li>- UE pos OTDOA assistance data for UE-based</li> </ul>	Not present
- UE positioning GPS assistance data	
<ul> <li>UE positioning GPS reference time</li> </ul>	As specified in clause 10
- UE positioning GPS reference UE position	As specified in clause 10
Physical Channel Information Elements	
DPCH compressed mode status info	Not present

# 7.5.2 UE based A-GPS procedure for moving scenario and periodic update test case

The procedure in this clause shall be used for the UE-based A-GPS moving scenario and periodic update test case in CELL\_DCH and CELL\_FACH state as specified in TS 34.171 [41].

#### 7.5.2.1 Initial conditions

FFS User Equipment:

The UE is in CELL\_DCH or CELL\_FACH state after executing the procedure defined in clause D.2 of TS 34.171 [41].

#### 7.5.2.2 Procedure

#### FFS

Step	Direction	Message	Comments
Step	UE SS	iwessage	Comments
1	<b>←</b>	RESET UE POSITIONING STORED INFORMATION	TC
2	←	RRC MEASUREMENT CONTROL	RRC (Setup, No Reporting, Nav model
3	<b>←</b>	RRC MEASUREMENT CONTROL	Satellites 1, 2, 3, 4, 5) RRC (Modify, No Reporting, Nav model Satellites 6, 7, 8, 9, Iono Model)
4	<b>←</b>	RRC MEASUREMENT CONTROL	RRC (Modify, Periodical Reporting
5	$\rightarrow$	RRC MEASUREMENT REPORT	Criterion, GPS Ref time, ReferencePosition) RRC (Position Estimate)

6	$\rightarrow$	RRC MEASUREMENT REPORT	RRC (Position Estimate)	ĺ
 n	$\begin{array}{c} \rightarrow \\ \rightarrow \end{array}$	RRC MEASUREMENT REPORT	RRC (Position Estimate)	
NOTE: In the actual testing the UE may report error messages at step 5 until it has been able to acquire a position estimate				

#### 7.5.2.3 Specific message contents

All assistance data message contents shall be referred to clause 10 "A-GPS assistance data". Contents of RESET UE POSITIONING STORED INFORMATION message: TC

The contents of the Reset UE Positioning Stored Information message in Step 1 are the same as specified for Normal UE based A-GPS testing in clause 7.5.1.

Contents of MEASUREMENT CONTROL message: RRC

The contents of the Measurement Control message in steps 2 and 3 are the same as specified for Normal UE based A-GPS testing in clause 7.5.1.

The contents of the Measurement Control message in step 4 are the same as specified for Normal UE based A-GPS testing in clause 7.5.1 with the following exceptions:

Information Element	Value/remark
Measurement Reporting Mode	Periodical reporting
Amount of reporting	Infinite (see note)
Reporting interval	2 000 ms
Horizontal accuracy	<del>50 m</del>
<del>Vertical accuracy</del>	<del>100 m</del>
NOTE: Infinite means during the complete test time.	

## 7.5.3 <u>Void UE based A-GPS procedure with failure</u>

7.5.3.1 Initial conditions

**FFS** 

7.5.3.2 Procedure

**FFS** 

Step	Direction	- Message	Comments
<del>otop</del>	<del>UE</del> <del>SS</del>	<del>mossago</del>	<del>Comments</del>
n	*****	·····	
n+1	←	RRC MEASUREMENT CONTROL	RRC (Setup, No Reporting, Nav model Satellites 1, 2,
			<del>3, 4, 5)</del>
n+2	<b>←</b>	RRC MEASUREMENT CONTROL	RRC (Modify, No Reporting, Nav model Satellites 6, 7,
			8, 9, Iono Model)
n+3	←	RRC MEASUREMENT CONTROL	RRC (Modify, Periodical Reporting Criterion, GPS Ref
			time, ReferencePosition)
n+4	$\rightarrow$	RRC MEASUREMENT REPORT	RRC (Position Error of type: "There were not enough
			satellites to be received"

#### 7.5.3.3 Specific message contents

All assistance data message contents shall be referred to clause 10 "A GPS assistance data".

## 7.5.4 Normal UE assisted GPS procedure

The procedure in this clause shall be used for all UE-assisted A-GPS TTFF test cases in CELL\_DCH and CELL\_FACH state as specified in TS 34.171 [41].

#### 7.5.4.1 Initial conditions

FFS User Equipment:

The UE is in CELL DCH or CELL FACH state after executing the procedure defined in clause D.2 of TS 34.171 [41].

#### 7.5.4.2 Procedure

#### **FFS**

Step	Direction	Message	Comments
Step	UE SS	iviessage	Comments
1	<b>←</b>	RESET UE POSITIONING STORED INFORMATION	TC
2	←	RRC MEASUREMENT CONTROL	RRC (Setup, Periodical Reporting
			Criteria, GPS Ref time)
3	$\rightarrow$	RRC MEASUREMENT REPORT	RRC (Additional Assistance Data
			Request)
4	<b>←</b>	RRC MEASUREMENT CONTROL	RRC (Modify, No Reporting, Assistance
_			Data Satellites 1, 2, 3, 4, 5, 6, 7, 8, 9)
5	<b>←</b>	RRC MEASUREMENT CONTROL	RRC (Modify, Periodical Reporting
		DDO MEAGUIDEMENT DEDODT	Criteria)
6	$\rightarrow$	RRC MEASUREMENT REPORT	RRC (GPS Measured Results), 1 <sup>st</sup> test instance
7		RESET UE POSITIONING STORED INFORMATION	TC
8	<b>←</b>	RRC MEASUREMENT CONTROL	1
0	<b>←</b>	RRC MEASUREMENT CONTROL	RRC (Setup, Periodical Reporting Criteria, GPS Ref time)
9	$\rightarrow$	RRC MEASUREMENT REPORT	RRC (Additional Assistance Data
	_	INTO MEAGONEMENT REPORT	Request)
10	←	RRC MEASUREMENT CONTROL	RRC (Modify, No Reporting, Assistance
	`		Data Satellites 1, 2, 3, 4, 5, 6, 7, 8, 9)
11	<b>←</b>	RRC MEASUREMENT CONTROL	RRC (Modify, Periodical Reporting
			Criteria)
12	$\rightarrow$	RRC MEASUREMENT REPORT	RRC (GPS Measured Results), 2 <sup>nd</sup> test
			instance
13	←	RESET UE POSITIONING STORED INFORMATION	TC
n	$\rightarrow$	RRC MEASUREMENT REPORT	RRC (GPS Measured Results), n <sup>th</sup> test
			instance

#### 7.5.4.3 Specific message contents

All assistance data message contents shall be referred to clause 10 "A GPS assistance data".

#### Contents of MEASUREMENT CONTROL message: RRC

Information Element	Value/remark
Measurement Reporting Mode	Periodical reporting
Amount of reporting	4
Reporting interval	<del>20 000 ms</del>
Horizontal accuracy	<del>50 m</del>
Vertical accuracy	<del>100 m</del>

#### Contents of RESET UE POSITIONING STORED INFORMATION message: RRC TC

Information Element	Value/remark
UE Positioning Technology	AGPS

## Contents of MEASUREMENT CONTROL messages: RRC

#### MEASUREMENT CONTROL (Steps 2 + (n-1)\*6):

Information element	Value/remark
Measurement Information Elements	
Measurement Identity	10
Measurement Command	Setup
Measurement Reporting Mode	
- Measurement report transfer mode	Acknowledged mode RLC
- Periodical reporting / Event trigger reporting mode	Periodical reporting
Additional Measurements List	Not present
CHOICE Measurement type	UE positioning measurement
<ul> <li>UE positioning measurement</li> </ul>	
<ul> <li>UE positioning reporting quantity</li> </ul>	
- Method type	UE assisted
- Positioning methods	<u>GPS</u>
- Response time	<u>128</u>
- Horizontal accuracy	<u>19 (51 m)</u>
<ul> <li>Vertical accuracy</li> </ul>	48 (102 m)
<ul> <li>GPS timing of cell wanted</li> </ul>	<u>FALSE</u>
- Multiple sets	<u>FALSE</u>
<ul> <li>- Additional assistance data request</li> </ul>	TRUE
<ul> <li>Environmental characterization</li> </ul>	Not present
- Measurement validity	
<u> </u>	All states
- CHOICE Reporting criteria	Periodical Reporting Criteria
<ul> <li>- Amount of reporting</li> </ul>	1
- Reporting Interval	<u>20000</u>
<ul> <li>UE pos OTDOA assistance data for UE-assisted</li> </ul>	Not present
<ul> <li>- UE pos OTDOA assistance data for UE-based</li> </ul>	Not present
<ul> <li>- UE positioning GPS assistance data</li> </ul>	
<ul> <li>UE positioning GPS reference time</li> </ul>	As specified in clause 10
Physical Channel Information Elements	
DPCH compressed mode status info	Not present

## MEASUREMENT REPORT (Steps 3 + (n-1)\*6):

Information element	<u>Value/remark</u>
Measurement Information Elements	
Measurement Identity	<u>10</u>
Measured Results	
- CHOICE Measurement	
<ul> <li>UE positioning measured results</li> </ul>	
<ul> <li>- UE positioning OTDOA measured results</li> </ul>	Not present
<ul> <li>UE positioning position estimate info</li> </ul>	Not present
<ul> <li>UE positioning GPS measured results</li> </ul>	Not present
- UE positioning error	
- Error reason	Assistance Data Missing
<ul> <li>GPS additional assistance data request</li> </ul>	Defines assistance data requested by the
	<u>UE</u>
Measured Results on RACH	Not present
Additional Measured Results	Not present
Event Results	Not present

## MEASUREMENT CONTROL (Steps 4 + (n-1)\*6):

Information element	Value/remark
Measurement Information Elements	
Measurement Identity	<u>10</u>
Measurement Command	Modify
Measurement Reporting Mode	
- Measurement report transfer mode	Acknowledged mode RLC
<ul> <li>Periodical reporting / Event trigger reporting mode</li> </ul>	Periodical reporting
Additional Measurements List	Not present
CHOICE Measurement type	UE positioning measurement
<ul> <li>UE positioning measurement</li> </ul>	
<ul> <li>UE positioning reporting quantity</li> </ul>	
- Method type	<u>UE assisted</u>
- Positioning methods	<u>GPS</u>
- Response time	<u>128</u>
<ul> <li>Horizontal accuracy</li> </ul>	<u>19 (51 m)</u>
- Vertical accuracy	48 (102 m)
- GPS timing of cell wanted	<u>FALSE</u>
- Multiple sets	<u>FALSE</u>
<ul> <li>- Additional assistance data request</li> </ul>	<u>FALSE</u>
<ul> <li>Environmental characterization</li> </ul>	Not present
- Measurement validity	
<u>- UE state</u>	All states
- CHOICE Reporting criteria	
- No reporting	
<ul> <li>UE pos OTDOA assistance data for UE-assisted</li> </ul>	Not present
<ul> <li>UE pos OTDOA assistance data for UE-based</li> </ul>	Not present
<ul> <li>UE positioning GPS assistance data</li> </ul>	As specified in clause 10 and requested by
	the UE in Step 3+(n-1)*6
Physical Channel Information Elements	
DPCH compressed mode status info	Not present

#### MEASUREMENT CONTROL (Steps 5 + (n-1)\*6):

Information element	Value/remark
Measurement Information Elements	<u>value/remark</u>
Measurement Identity	10
Measurement Command	Modify
Measurement Reporting Mode	Modify
	Acknowledged mode RLC
- Measurement report transfer mode	
- Periodical reporting / Event trigger reporting mode Additional Measurements List	Periodical reporting
	Not present
CHOICE Measurement type	UE positioning measurement
- UE positioning measurement	
- UE positioning reporting quantity	lue con
- Method type	<u>UE assisted</u>
- Positioning methods	GPS
- Response time	128
- Horizontal accuracy	<u>19 (51 m)</u>
- Vertical accuracy	48 (102 m)
- GPS timing of cell wanted	<u>FALSE</u>
- Multiple sets	<u>FALSE</u>
<ul> <li>- Additional assistance data request</li> </ul>	<u>FALSE</u>
<ul> <li>Environmental characterization</li> </ul>	Not present
- Measurement validity	
<u>- UE state</u>	All states
- CHOICE Reporting criteria	Periodical Reporting Criteria
<ul> <li>- Amount of reporting</li> </ul>	<u>1</u>
- Reporting Interval	<u>20000</u>
<ul> <li>UE pos OTDOA assistance data for UE-assisted</li> </ul>	Not present
<ul> <li>UE pos OTDOA assistance data for UE-based</li> </ul>	Not present
- UE positioning GPS assistance data	Not present
Physical Channel Information Elements	
DPCH compressed mode status info	Not present

# 7.5.5 UE assisted A-GPS procedure for moving scenario and periodic update test case

The procedure in this clause shall be used for the UE-assisted A-GPS moving scenario and periodic update test case in CELL\_DCH and CELL\_FACH state as specified in TS 34.171 [41].

#### 7.5.5.1 Initial conditions

**FFS**User Equipment:

The UE is in CELL DCH or CELL FACH state after executing the procedure defined in clause D.2 of TS 34.171 [41].

#### 7.5.5.2 Procedure

#### **FFS**

Step	Direction	Message	Comments		
Step	UE SS	- Wiessage	Comments		
1	<b>←</b>	RESET UE POSITIONING STORED INFORMATION	TC		
2	←	RRC MEASUREMENT CONTROL	RRC (Setup, Periodical Reporting		
			Criteria, GPS Ref time)		
3	$\rightarrow$	RRC MEASUREMENT REPORT	RRC (Additional Assistance Data		
			Request)		
4	<b>←</b>	RRC MEASUREMENT CONTROL	RRC (Modify, No Reporting, Assistance		
_			Data Satellites 1, 2, 3, 4, 5, 6, 7, 8, 9)		
5	←	RRC MEASUREMENT CONTROL	RRC (Modify, Periodical Reporting		
		DDO MEACUREMENT DEDORT	Criteria)		
6	$\rightarrow$	RRC MEASUREMENT REPORT	RRC (GPS Measured Results), 1 <sup>st</sup> test		
_		DDG MEAGURENE DEDGDE	instance		
7	$\rightarrow$	RRC MEASUREMENT REPORT	RRC (GPS Measured Results), 2 <sup>nd</sup> test		
			instance		
	$\rightarrow$				
n	$\rightarrow$	RRC MEASUREMENT REPORT	RRC (GPS Measured Results), nth test		
			instance		
NOTE:	In the actu	al testing the UE may report error messages at step 6 u	ntil it has been able to acquire GPS		
	measured results.				

#### 7.5.5.3 Specific message contents

All assistance data message contents shall be referred to clause 10 "A GPS assistance data".

#### Contents of RESET UE POSITIONING STORED INFORMATION message: TC

The contents of the Reset UE Positioning Stored Information message in Step 1 are the same as specified for Normal UE assisted A-GPS testing in clause 7.5.4.

#### Contents of MEASUREMENT CONTROL message: RRC

The contents of the Measurement Control message in steps 2 and 4 are the same as specified for Normal UE assisted A-GPS testing in clause 7.5.4.

The contents of the Measurement Control message in step 5 are the same as specified for Normal UE assisted A-GPS testing in clause 7.5.4 with the following exceptions:

Information Element	Value/remark
Measurement Reporting Mode	Periodical reporting
Amount of reporting	Infinite (see note)
Reporting interval	2 000 ms
Horizontal accuracy	<del>50 m</del>
Vertical accuracy	<del>100 m</del>

NOTE: Infinite means during the complete test time.	

#### Contents of RESET UE POSITIONING STORED INFORMATION message: RRC

Information Element	<del>Value/remark</del>
UE Positioning Technology	AGPS

## 3GPP TSG-RAN WG5 Meeting #27 Bath, UK, APR 25<sup>th</sup>-29<sup>th</sup>, 2005

CHANGE REQUEST					
<b>*</b>	34.108 CR 405	≋ rev _	★ Current version:	<b>5.4.0</b> <sup>\mathred{\matrid{\mathred{\matrid{\matrid{\mathred{\matrid{\mathred{\matrid{\mathred{\matrid{\mathred{\matrid{\matrid{\matrid{\mind}{\mind}{\mind}{\mathred{\mathred{\matrid{\matrid{\matrid{\matrid{\matrid{\matrid{\matrid{\matrid{\matrid{\matrid{\mind}{\mind}}\appi}}}}}}}}}</sup>	
For <u>HELP</u> on us	ing this form, see bottom	of this page or look a	at the pop-up text ove	er the 器 symbols.	
Proposed change a	ffects: │ UICC apps 器	ME X Rad	io Access Network	Core Network	
Title: 第	CR to 34.108 Rel-5: Clar	rification of generic se	etup procedures in se	ection 7.3.4	
Source: 黑	3GPP TSG RAN WG5 (	Testing)			
Work item code: ⊯	TEI		Date: 🕱 25	5/04/2005	
	Use one of the following cate F (correction) A (corresponds to a co B (addition of feature), C (functional modification D (editorial modification Detailed explanations of the be found in 3GPP TR 21.900	rrection in an earlier relion of feature) n) above categories can	Use <u>one</u> of the in the interpolation of the interp	el-5 following releases: SM Phase 2) lease 1996) lease 1997) lease 1998) lease 1999) lease 4) lease 5) lease 6)	
Reason for change:		procedure for the Har d to cover both FDD a	ndover case in section and TDD.	n 7.3.4 of 34.108	
Summary of change	2. To change 'UTF	handover' to 'soft ha RAN FDD' to 'UTRAN ce description of TS		7.3.4.1	
Consequences if not approved:	* Otherwise this gene	eric test procedure wo	ould not cover both F	DD and TDD.	
Clauses affected:	<b>光</b> 7.3.4				
Other specs affected:	Y N Other core sp X Test specifica X O&M Specific	itions			
Other comments:	<b>X</b>				

#### **How to create CRs using this form:**

Comprehensive information and tips about how to create CRs can be found at <a href="http://www.3gpp.org/specs/CR.htm">http://www.3gpp.org/specs/CR.htm</a>. 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  $\underline{\text{ftp://ftp.3gpp.org/specs/}}$  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.

#### 7.3.4 Test procedure for Handover

Note: This test procedure is also used for some other test cases involving more than 1 cell.

#### 7.3.4.1 Initial conditions

System Simulator

- Intra-frequency hard handover and soft handover (for FDD) case:
  - 2 cells, default parameters according to Cell 1 and Cell 2 in clause 6.1.4.
- Inter-frequency hard handover case:
  - 2 cells, default parameters according to Cell 1 and Cell 4 in clause 6.1.4.
- Inter-system handover UTRAN FDD to GSM case:
  - 2 cells, default parameters according to Cell 1 and Cell 9 in clause 6.1.4.
- other test cases using this test procedure:
  - Number of cells and parameters for specific tests are defined in TS 34.121 [2] for FDD and TS 34.122 [5] for TDD and take priority over the default parameters.

#### User Equipment

The UE shall be initially operated under the normal RF test conditions if not otherwise stated in the initial conditions for the actual test case.

The Test-USIM shall be inserted.

The UE has a valid TMSI (CS) after the execution of the procedure described in 7.2.2.1

The UE has a valid P-TMSI (PS) after the execution of the procedure described in 7.2.2.2

#### 7.3.4.2 Definition of system information messages

The default system information messages specified in clause 6.1.0b are used with the following exceptions.

#### Contents of System information block type 1: RRC

Information Element	Value/remark
- CN domain system information	
- CN domain identity	PS
- CHOICE CN Type	GSM-MAP
- CN domain specific NAS system information	
- GSM-MAP NAS system information	00 00
- CN domain specific DRX cycle length coefficient	7
- CN domain identity	CS
- CHOICE CN Type	GSM-MAP
- CN domain specific NAS system information	
- GSM-MAP NAS system information	00(T3212 is set to infinity) 01
- CN domain specific DRX cycle length coefficient	7
- UE Timers and constants in connected mode	
- T305	Infinity

#### Contents of System Information Block type 5 (FDD)

Information Element	Value/remark
- Secondary CCPCH system information	
- Secondary CCPCH info	
- CHOICE mode	FDD
- Secondary scrambling code	Not Present

- STTD indicator	FALSE
- Spreading factor	64
- Code number	2
- Pilot symbol existence	FALSE
- TFCI existence	TRUE (default value)
- Fixed or Flexible position	Flexible (default value)
- Timing offset	Not Present
	Absence of this IE is equivalent to default value 0

For the intra-frequency hard handover and soft handover (for FDD) case the default messages for SIB11 and SIB12 as specified for Cell 1 and Cell 2 in clause 6.1.4 are used.

For the inter-frequency hard handover case the default messages for SIB11 and SIB12 as specified for Cell 1 and Cell 4 in clause 6.1.4 are used.

For the inter-system handover from UTRAN FDD to GSM case the default messages for SIB11 and SIB12 as specified for Cell 1 and Cell 9 in clause 6.1.4 are used.

#### 7.3.4.3 Procedure

#### For UE supporting CS

Step	Direction		Message	Comments
	UE	SS		
1	<	<b></b>	SYSTEM INFORMATION (BCCH)	Broadcast
2	<	<	PAGING TYPE1 (PCCH)	Paging (CS domain, TMSI)
3	-	->	RRC CONNECTION REQUEST (CCCH)	RRC
4	<	<	RRC CONNECTION SETUP (CCCH)	RRC
5	-	->	RRC CONNECTION SETUP COMPLETE (DCCH)	RRC
6	-	->	PAGING RESPONSE	RR
7	<	<b></b>	AUTHENTICATION REQUEST	MM
8	>		AUTHENTICATION RESPONSE	MM
9	<		SECURITY MODE COMMAND	RRC
10	-	->	SECURITY MODE COMPLETE	RRC
11			ACTIVATE RB TEST MODE	TC
12			ACTIVATE RB TEST MODE COMPLETE	TC
13	<		RADIO BEARER SETUP	RRC
				- RAB SETUP using Reference
				Radio Bearer Configuration
				- RRC state indicator is set to
				"CELL_DCH"
14	-	->	RADIO BEARER SETUP COMPLETE	RRC
15	<	<	RRC CONNECTION RELEASE	RRC
16	-	->	RRC CONNECTION RELEASE COMPLETE	RRC

For UE supporting PS only

Step	Direction		Message	Comments
	UE	SS		
1	<	<b></b>	SYSTEM INFORMATION (BCCH)	Broadcast
2	<	<b>:</b>	PAGING TYPE1 (PCCH)	Paging (PS domain, P-TMSI)
3	_	->	RRC CONNECTION REQUEST (CCCH)	RRC
4	<	<b></b>	RRC CONNECTION SETUP (CCCH)	RRC
5		->	RRC CONNECTION SETUP COMPLETE (DCCH)	RRC
6	_	->	SERVICE REQUEST	GMM
7	<	<b></b>	AUTHENTICATION AND CIPHERING REQUEST	GMM
8	>		AUTHENTICATION AND CIPHERING RESPONSE	GMM
9	<		SECURITY MODE COMMAND	RRC
10	_	->	SECURITY MODE COMPLETE	RRC
11	<		ACTIVATE RB TEST MODE	TC
12			ACTIVATE RB TEST MODE COMPLETE	TC
13	<		RADIO BEARER SETUP	RRC
				- RAB SETUP using Reference
				Radio Bearer Configuration
				- RRC state indicator is set to
				"CELL DCH"
14		->	RADIO BEARER SETUP COMPLETE	RRC -
15	<	<b>:</b>	RRC CONNECTION RELEASE	RRC
16		->	RRC CONNECTION RELEASE COMPLETE	RRC

## 7.3.4.4 Specific message contents

The default message contents specified in clause 9.2 are used with the following exceptions.

Contents of Attach Accept message: GMM

Information Element	Value/remark
Periodic RA update timer	E0 (timer is deactivated)

CHANGE REQUEST					
[ <b>æ</b> ]	34.108 CR 406	⊭ rev - ¤	Current version: <b>5.4.0</b>	<b>H</b>	
For <u>HELP</u> on us	ing this form, see bottom of th	is page or look at the	e pop-up text over the 🕱 symb	ools.	
Proposed change at	ffects: │ UICC apps <mark>器</mark>	ME <mark>X</mark> Radio Ad	ccess Network Core Netv	work	
Title: 黑	Removal of TGPL2				
Source: 黑:	3GPP TSG RAN WG5 (Testin	g)			
Work item code: 選	TEI		<i>Date:</i> <mark> 図 04/04/05</mark>		
	Use one of the following categorie  F (correction)  A (corresponds to a correcti  B (addition of feature),  C (functional modification of  D (editorial modification)  Detailed explanations of the abov be found in 3GPP TR 21.900.	ion in an earlier release feature)	Release:         ₩         Rel-5           Use one         of the following release           2         (GSM Phase 2)           e)         R96         (Release 1996)           R97         (Release 1997)           R98         (Release 1998)           R99         (Release 1999)           Rel-4         (Release 4)           Rel-5         (Release 5)           Rel-6         (Release 6)	ses:	
Reason for change: The compressed mode pattern parameter TGPL2 was removed from Rel-5 and onwards by CRs to 25.101, 25.133, 25.215 and 25.331 approved at RAN plenary 27 (see RP-050038). 34.108 need to be updated accordingly.					
Summary of change		tables 6.8.2, 6.8.3, 6. Only one pattern in us ds: Not applicable		to:	
Consequences if not approved:	34.108 not aligned to core	e specifications			
Clauses affected:	₩ 6.8				
Other specs affected:	Y N	34.12	1, 34.123-1		
Other comments:	<b>X</b>				

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- 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  $\underline{\text{ftp://ftp.3gpp.org/specs/}}$  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.

# 6.8 Compressed mode parameters

In this clause, Parameters for reference compressed mode patterns are defined which are used in signalling test cases such as inter frequency FDD measurement, inter frequency TDD measurement and inter RAT measurement in 3GPP TS 34.123-1 [1]. These parameters are defined in 3GPP TS 25.133 [30] for measurement performance tests.

Depending on UE capability, there are four methods constructed of three types using of compressed mode such as UL only, DL only and both UL and DL, and using without application of compressed for the above measurement purposes. As test requirement is the same even if the test methods are different, ICS/IXIT statement is applied to the test cases so that the test procedure and specific message contents specified in 3GPP TS 34.123-1 [1] can be distinguished.

## 6.8.1 Single compressed mode pattern

Configuration parameters in single compressed mode pattern for one type of measurement objects are described in the following clauses.

#### 6.8.1.1 Inter Frequency FDD measurement

The configuration parameters for an inter frequency FDD measurement is shown in table 6.8.1.

Table 6.8.1: Compressed mode parameters (Inter Frequency FDD measurement)

Parameter	Value	Note
TGSN (Transmission Gap Starting Slot Number)	4	11000
TGL1 (Transmission Gap Length 1)	7	
TGL2 (Transmission Gap Length 2)	-	Only one gap in use.
TGD (Transmission Gap Distance)	undefined	
TGPL1 (Transmission Gap Pattern Length)	3	
TGPL2 (Transmission Gap Pattern Length)	-	R99 and Rel-4: Only one pattern in use. Rel-5 and onwards: Not applicable
TGCFN (Transmission Gap Connection Frame Number)	(Current CFN + (256 - TTI/10msec))mod 256	
UL/DL compressed mode selection	DL, UL or DL & UL	3 configurations possible. DL, UL or both DL and UL
UL compressed mode method	SF/2	
DL compressed mode method	SF/2	
Scrambling code change	No	
RPP (Recovery period power control mode)	0	
ITP (Initial transmission power control mode)	0	

## 6.8.1.2 Inter Frequency TDD measurement

The configuration parameters for an inter frequency TDD measurement is shown in table 6.8.2.

Table 6.8.2: Compressed mode parameters (Inter Frequency TDD measurement)

Parameter	Value	Note
TGSN (Transmission Gap Starting Slot Number)	10	
TGL1 (Transmission Gap Length 1)	10	
TGL2 (Transmission Gap Length 2)	-	Only one gap in use.
TGD (Transmission Gap Distance)	undefined	
TGPL1 (Transmission Gap Pattern Length)	11	
TGPL2 (Transmission Gap Pattern Length)	-	R99 and Rel-4: Only one pattern in use. Rel-5 and onwards: Not applicable
TGCFN (Transmission Gap Connection Frame Number)	(Current CFN + (256 - TTI/10msec))mod 256	

Parameter	Value	Note
UL/DL compressed mode selection	DL, UL or DL & UL	3 configurations possible.
		DL, UL or both DL and UL
UL compressed mode method	SF/2	
DL compressed mode method	Puncturing	
Scrambling code change	No	
RPP (Recovery period power control mode)	0	
ITP (Initial transmission power control mode)	0	

## 6.8.1.3 Inter RAT measurement (GSM - Carrier RSSI)

The configuration parameters for an Inter RAT measurement (GSM - Carrier RSSI) is shown in table 6.8.3.

Table 6.8.3: Compressed mode parameters (Inter RAT measurement - GSM Carrier RSSI)

Parameter	Value	Note
TGSN (Transmission Gap Starting Slot Number)	4	
TGL1 (Transmission Gap Length 1)	7	
TGL2 (Transmission Gap Length 2)	-	Only one gap in use.
TGD (Transmission Gap Distance)	Undefined	
TGPL1 (Transmission Gap Pattern Length)	12	
TGPL2 (Transmission Gap Pattern Length)	-	R99 and Rel-4: Only one pattern in use. Rel-5 and onwards: Not applicable
TGCFN (Transmission Gap Connection Frame Number)	(Current CFN + (256 - TTI/10msec))mod 256	
UL/DL compressed mode selection	DL, UL or DL & UL	3 configurations possible. DL, UL or both DL and UL
UL compressed mode method	SF/2	
DL compressed mode method	SF/2	
Scrambling code change	No	
RPP (Recovery period power control mode)	0	
ITP (Initial transmission power control mode)	0	

# 6.8.1.4 Inter RAT measurement (GSM - Initial BSIC Identification)

The configuration parameters for an inter frequency RAT measurement ( GSM - Initial BSIC Identification ) is shown in table 6.8.4.

Table 6.8.4: Compressed mode parameters (Inter RAT measurement - GSM Initial BSIC Identification)

Parameter	Value	Note
TGSN (Transmission Gap Starting Slot Number)	4	
TGL1 (Transmission Gap Length 1)	7	
TGL2 (Transmission Gap Length 2)	-	Only one gap in use.
TGD (Transmission Gap Distance)	undefined	
TGPL1 (Transmission Gap Pattern Length)	8	
TGPL2 (Transmission Gap Pattern Length)	-	R99 and Rel-4: Only one pattern in use. Rel-5 and onwards: Not applicable
TGCFN (Transmission Gap Connection Frame Number)	(Current CFN + (256 - TTI/10msec))mod 256	
UL/DL compressed mode selection	DL, UL or DL & UL	3 configurations possible. DL, UL or both DL and UL
UL compressed mode method	SF/2	
DL compressed mode method	SF/2	
Scrambling code change	No	
RPP (Recovery period power control mode)	0	
ITP (Initial transmission power control mode)	0	

#### 6.8.1.5 Inter RAT measurement (GSM - BSIC re-confirmation)

The configuration parameters for an inter RAT measurement (GSM - BSIC re-confirmation) is shown in table 6.8.5.

Table 6.8.5: Compressed mode parameters (Inter RAT measurement - GSM BSIC re-confirmation)

Parameter	Value	Note
TGSN (Transmission Gap Starting Slot Number)	4	
TGL1 (Transmission Gap Length 1)	7	
TGL2 (Transmission Gap Length 2)	-	Only one gap in use.
TGD (Transmission Gap Distance)	undefined	
TGPL1 (Transmission Gap Pattern Length)	8	
TGPL2 (Transmission Gap Pattern Length)	-	R99 and Rel-4: Only one pattern in use. Rel-5 and onwards: Not applicable
TGCFN (Transmission Gap Connection Frame Number)	(Current CFN + (256 - TTI/10msec))mod 256	
UL/DL compressed mode selection	DL, UL or DL & UL	3 configurations possible. DL, UL or both DL and UL
UL compressed mode method	SF/2	
DL compressed mode method	SF/2	
Scrambling code change	No	
RPP (Recovery period power control mode)	0	
ITP (Initial transmission power control mode)	0	

# 6.8.2 Multiple compressed mode patterns

Configuration parameters in multiple compressed mode patterns for several types of measurement objects are described in the following clauses.

#### 6.8.2.1 Inter RAT measurement GSM

The configuration parameters for an inter RAT measurement (GSM - Carrier RSSI, Initial BSIC Identification and BSIC Re-confirmation) is shown in table 6.8.6.

Table 6.8.6: Compressed mode parameters (Inter RAT measurement - GSM Carrier RSSI and Initial BSIC identification and BSIC re-confirmation)

Parameter	GSM Carrier RSSI	GSM Initial BSIC identification	GSM BSIC re- confirmation	Note
TGSN (Transmission Gap Starting Slot Number)	4	4	4	
TGL1 (Transmission Gap Length 1)	7	7	7	
TGL2 (Transmission Gap Length 2)	1	1	-	Only one gap in use.
TGD (Transmission Gap Distance)	undefined	undefined	undefined	
TGPL1 (Transmission Gap Pattern Length)	12	8	8	
TGPL2 (Transmission Gap Pattern Length)	-	-	-	R99 and Rel-4: Only one pattern in use. Rel-5 and onwards: Not applicable
TGCFN (Transmission Gap Connection	(Current CFN +	(Current CFN +	(Current CFN +	Defined by higher
Frame Number):	(252 - TTI/10msec))m od 256	(254 - TTI/10msec))m od 256	(250 - TTI/10msec))m od 256	layers

Parameter	GSM Carrier RSSI	GSM Initial BSIC identification	GSM BSIC re- confirmation	Note
UL/DL compressed mode selection	DL, UL or DL & UL	DL, UL or DL & UL	DL, UL or DL & UL	3 configurations possible. DL, UL or both DL and UL
UL compressed mode method	SF/2	SF/2	SF/2	
DL compressed mode method	SF/2	SF/2	SF/2	
Scrambling code change	No	No	No	
RPP (Recovery period power control mode)	0	0	0	
ITP (Initial transmission power control mode)	0	0	0	

6.8.2.2 FFS	Inter Frequency FDD measurement & Inter RAT measurement GSM
6.8.2.3 FFS	Inter Frequency FDD measurement & Inter Frequency TDD measurement
6.8.2.4 FFS	Inter Frequency TDD measurement & Inter RAT measurement GSM
6.8.2.5	Inter Frequency FDD measurement & Inter Frequency TDD measurement & Inter RAT measurement GSM
FFS	

	CHANGE REQUEST	CR-Form-v7
[ <b>æ</b> ]	34.108 CR 407	Current version: 5.4.0
For <u>HELP</u> on t	using this form, see bottom of this page or look at the	pop-up text over the 🕱 symbols.
Proposed change	affects: UICC apps <mark>網 ME X</mark> Radio Ac	ccess Network Core Network
Title:	Addition of compressed mode pattern for Inter Freq RAT measurement GSM	uency FDD measurement & Inter
Source:	3GPP TSG RAN WG5 (Testing)	
Work item code:	TEI TEI	<i>Date:</i> <mark>             15/04/05  </mark>
Category:	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)  Detailed explanations of the above categories can be found in 3GPP TR 21.900.  e:  To efficiently utilize WCDMA carriers and GSM	R97 (Release 1997) R98 (Release 1998) R99 (Release 1999) Rel-4 (Release 4) Rel-5 (Release 5) Rel-6 (Release 6)
	the increasing traffic demand in hot spots area simultaneous inter-frequency and inter-RAT m compressed mode patterns. This has been dis RAN4#34 meeting (see R4-050045).  Currently there is no compressed mode patter frequency and inter-RAT measurements in 34.	as the UE should be able to carry out leasurements using multiple scussed in RAN4 and at the an defined for combined inter-
Summary of chan	ge:   New compressed mode pattern defined for combin section 6.8.2.2. The parameters are based on the p in R4-050045.	
Consequences if not approved:	No compressed mode pattern defined for commeasurements.	bined inter-frequency and inter-RAT
Clauses affected:	第 6.8.2.2	
Other specs affected:	3	
Other comments:	器 Affects R99, Rel4 and Rel5 UEs.	

How to create CRs using this form:

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

- 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.
- 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 <a href="ftp://ftp.3gpp.org/specs/">ftp://ftp.3gpp.org/specs/</a> 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.

# 6.8 Compressed mode parameters

In this clause, Parameters for reference compressed mode patterns are defined which are used in signalling test cases such as inter frequency FDD measurement, inter frequency TDD measurement and inter RAT measurement in 3GPP TS 34.123-1 [1]. These parameters are defined in 3GPP TS 25.133 [30] for measurement performance tests.

Depending on UE capability, there are four methods constructed of three types using of compressed mode such as UL only, DL only and both UL and DL, and using without application of compressed for the above measurement purposes. As test requirement is the same even if the test methods are different, ICS/IXIT statement is applied to the test cases so that the test procedure and specific message contents specified in 3GPP TS 34.123-1 [1] can be distinguished.

## 6.8.1 Single compressed mode pattern

Configuration parameters in single compressed mode pattern for one type of measurement objects are described in the following clauses.

#### 6.8.1.1 Inter Frequency FDD measurement

The configuration parameters for an inter frequency FDD measurement is shown in table 6.8.1.

Table 6.8.1: Compressed mode parameters (Inter Frequency FDD measurement)

Parameter	Value	Note
TGSN (Transmission Gap Starting Slot Number)	4	
TGL1 (Transmission Gap Length 1)	7	
TGL2 (Transmission Gap Length 2)	-	Only one gap in use.
TGD (Transmission Gap Distance)	undefined	
TGPL1 (Transmission Gap Pattern Length)	3	
TGPL2 (Transmission Gap Pattern Length)	-	Only one pattern in use.
TGCFN (Transmission Gap Connection Frame Number)	(Current CFN + (256 -	
	TTI/10msec))mod 256	
UL/DL compressed mode selection	DL, UL or DL & UL	3 configurations possible.
		DL, UL or both DL and UL
UL compressed mode method	SF/2	
DL compressed mode method	SF/2	
Scrambling code change	No	
RPP (Recovery period power control mode)	0	
ITP (Initial transmission power control mode)	0	

#### 6.8.1.2 Inter Frequency TDD measurement

The configuration parameters for an inter frequency TDD measurement is shown in table 6.8.2.

Table 6.8.2: Compressed mode parameters (Inter Frequency TDD measurement)

Parameter	Value	Note
TGSN (Transmission Gap Starting Slot Number)	10	
TGL1 (Transmission Gap Length 1)	10	
TGL2 (Transmission Gap Length 2)	-	Only one gap in use.
TGD (Transmission Gap Distance)	undefined	
TGPL1 (Transmission Gap Pattern Length)	11	
TGPL2 (Transmission Gap Pattern Length)	-	Only one pattern in use.
TGCFN (Transmission Gap Connection Frame Number)	(Current CFN + (256 - TTI/10msec))mod 256	
UL/DL compressed mode selection	DL, UL or DL & UL	3 configurations possible. DL, UL or both DL and UL
UL compressed mode method	SF/2	
DL compressed mode method	Puncturing	

Parameter	Value	Note
Scrambling code change	No	
RPP (Recovery period power control mode)	0	
ITP (Initial transmission power control mode)	0	

## 6.8.1.3 Inter RAT measurement (GSM - Carrier RSSI)

The configuration parameters for an Inter RAT measurement (GSM - Carrier RSSI) is shown in table 6.8.3.

Table 6.8.3: Compressed mode parameters (Inter RAT measurement - GSM Carrier RSSI)

Parameter	Value	Note
TGSN (Transmission Gap Starting Slot Number)	4	
TGL1 (Transmission Gap Length 1)	7	
TGL2 (Transmission Gap Length 2)	-	Only one gap in use.
TGD (Transmission Gap Distance)	undefined	
TGPL1 (Transmission Gap Pattern Length)	12	
TGPL2 (Transmission Gap Pattern Length)	-	Only one pattern in use.
TGCFN (Transmission Gap Connection Frame Number)	(Current CFN + (256 - TTI/10msec))mod 256	
UL/DL compressed mode selection	DL, UL or DL & UL	3 configurations possible. DL, UL or both DL and UL
UL compressed mode method	SF/2	
DL compressed mode method	SF/2	
Scrambling code change	No	
RPP (Recovery period power control mode)	0	
ITP (Initial transmission power control mode)	0	

#### 6.8.1.4 Inter RAT measurement (GSM - Initial BSIC Identification)

The configuration parameters for an inter frequency RAT measurement ( GSM - Initial BSIC Identification ) is shown in table 6.8.4.

Table 6.8.4: Compressed mode parameters (Inter RAT measurement - GSM Initial BSIC Identification)

Parameter	Value	Note
TGSN (Transmission Gap Starting Slot Number)	4	
TGL1 (Transmission Gap Length 1)	7	
TGL2 (Transmission Gap Length 2)	-	Only one gap in use.
TGD (Transmission Gap Distance)	undefined	
TGPL1 (Transmission Gap Pattern Length)	8	
TGPL2 (Transmission Gap Pattern Length)	-	Only one pattern in use.
TGCFN (Transmission Gap Connection Frame Number)	(Current CFN + (256 - TTI/10msec))mod 256	
UL/DL compressed mode selection	DL, UL or DL & UL	3 configurations possible. DL, UL or both DL and UL
UL compressed mode method	SF/2	
DL compressed mode method	SF/2	
Scrambling code change	No	
RPP (Recovery period power control mode)	0	
ITP (Initial transmission power control mode)	0	

## 6.8.1.5 Inter RAT measurement (GSM - BSIC re-confirmation)

The configuration parameters for an inter RAT measurement (GSM - BSIC re-confirmation) is shown in table 6.8.5.

Table 6.8.5: Compressed mode parameters (Inter RAT measurement - GSM BSIC re-confirmation)

Parameter	Value	Note
TGSN (Transmission Gap Starting Slot Number)	4	
TGL1 (Transmission Gap Length 1)	7	
TGL2 (Transmission Gap Length 2)	-	Only one gap in use.
TGD (Transmission Gap Distance)	undefined	
TGPL1 (Transmission Gap Pattern Length)	8	
TGPL2 (Transmission Gap Pattern Length)	-	Only one pattern in use.
TGCFN (Transmission Gap Connection Frame Number)	(Current CFN + (256 -	
	TTI/10msec))mod 256	
UL/DL compressed mode selection	DL, UL or DL & UL	3 configurations possible.
		DL, UL or both DL and UL
UL compressed mode method	SF/2	
DL compressed mode method	SF/2	
Scrambling code change	No	
RPP (Recovery period power control mode)	0	
ITP (Initial transmission power control mode)	0	

# 6.8.2 Multiple compressed mode patterns

Configuration parameters in multiple compressed mode patterns for several types of measurement objects are described in the following clauses.

#### 6.8.2.1 Inter RAT measurement GSM

The configuration parameters for an inter RAT measurement (GSM - Carrier RSSI, Initial BSIC Identification and BSIC Re-confirmation) is shown in table 6.8.6.

Table 6.8.6: Compressed mode parameters (Inter RAT measurement - GSM Carrier RSSI and Initial BSIC identification and BSIC re-confirmation)

Parameter	GSM Carrier RSSI	GSM Initial BSIC identification	GSM BSIC re- confirmation	Note
TGSN (Transmission Gap Starting Slot Number)	4	4	4	
TGL1 (Transmission Gap Length 1)	7	7	7	
TGL2 (Transmission Gap Length 2)	-	-	-	Only one gap in use.
TGD (Transmission Gap Distance)	undefined	undefined	undefined	
TGPL1 (Transmission Gap Pattern	12	8	8	
Length)				
TGPL2 (Transmission Gap Pattern	-	-	=	Only one pattern in
Length)				use.
TGCFN (Transmission Gap Connection	(Current CFN +	(Current CFN +	(Current CFN +	Defined by higher
Frame Number):	(252 -	(254 -	(250 -	layers
	TTI/10msec))m	TTI/10msec))m	TTI/10msec))m	
	od 256	od 256	od 256	
UL/DL compressed mode selection	DL, UL or DL &	DL, UL or DL &	DL, UL or DL &	3 configurations
	UL	UL	UL	possible. DL, UL or both DL and UL
UL compressed mode method	SF/2	SF/2	SF/2	DOIN DE ANA OL
DL compressed mode method	SF/2	SF/2	SF/2	
•	No	No		
Scrambling code change	INO	INO	No	

Parameter	GSM Carrier RSSI	GSM Initial BSIC identification	GSM BSIC re- confirmation	Note
RPP (Recovery period power control mode)	0	0	0	
ITP (Initial transmission power control mode)	0	0	0	

## 6.8.2.2 Inter Frequency FDD measurement & Inter RAT measurement GSM

FFS The configuration parameters for Inter Frequency FDD measurement and Inter RAT measurement (GSM - Carrier RSSI, Initial BSIC Identification and BSIC Re-confirmation) is shown in table 6.8.7.

The pattern is illustrated by Figure 6.8.2.2.

<u>Table 6.8.7: Compressed mode parameters (Inter Frequency and Inter RAT measurement - GSM Carrier RSSI and Initial BSIC identification and BSIC re-confirmation)</u>

Parameter	Inter	<b>GSM Carrier</b>	GSM Initial	GSM BSIC	Note
	Frequency	RSSI	BSIC	re-	
	FDD		identification	confirmation	
TGSN (Transmission Gap Starting	<u>8</u>	<u>8</u>	<u>8</u>	<u>8</u>	
Slot Number)					
TGL1 (Transmission Gap Length 1)	<u>14</u>	<u>14</u>	<u>14</u>	<u>14</u>	
TGL2 (Transmission Gap Length 2)	<u>14</u>	<u>14</u>	<u>14</u>	<u>14</u>	
TGD (Transmission Gap Distance)	<u>0</u>	<u>60</u>	<u>45</u>	<u>0</u>	
TGPL1 (Transmission Gap Pattern Length)	<u>12</u>	<u>24</u>	<u>24</u>	<u>24</u>	
TGPL2 (Transmission Gap Pattern Length)	Ξ	Ξ	=	=	R99 and Rel-4: Only one pattern
					in use. Rel-5 and onwards:
					Not applicable
TGCFN (Transmission Gap	(Current CFN	(Current CFN	(Current CFN	(Current CFN	Defined by
Connection Frame Number):	<u>+ (238 -</u>	<u>+ (242 -</u>	<u>+ (256 -</u>	<u>+ (253 -</u>	higher layers
	TTI/10msec))	TTI/10msec))	TTI/10msec))	TTI/10msec))	
111/51	mod 256	mod 256	mod 256	mod 256	0 6 0
UL/DL compressed mode selection	DL, UL or DL	DL, UL or DL	DL, UL or DL	DL, UL or DL	3 configurations
	<u>&amp; UL</u>	<u>&amp; UL</u>	<u>&amp; UL</u>	<u>&amp; UL</u>	possible. DL, UL
					or both DL and UL
UL compressed mode method	<u>SF/2</u>	<u>SF/2</u>	<u>SF/2</u>	<u>SF/2</u>	
DL compressed mode method	<u>SF/2</u>	<u>SF/2</u>	<u>SF/2</u>	<u>SF/2</u>	
Scrambling code change	<u>No</u>	<u>No</u>	<u>No</u>	<u>No</u>	
RPP (Recovery period power control mode)	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	
ITP (Initial transmission power control mode)	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	

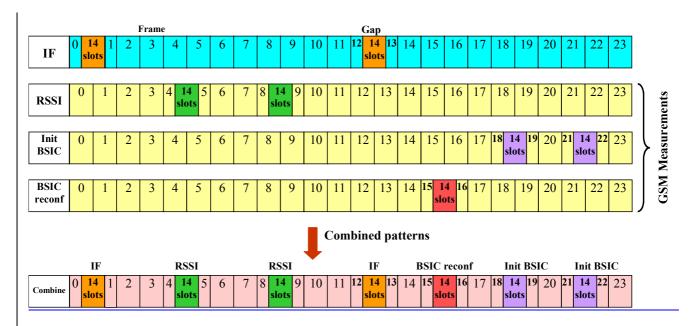


Figure 6.8.2.2 Inter-frequency (IF) and Inter-RAT (IRAT) measurement gaps during 24 frames cycle for the compressed mode pattern as specified in Table 6.8.7

Inter Frequency FDD measurement & Inter Frequency TDD measurement
 Inter Frequency TDD measurement & Inter RAT measurement GSM
 Inter Frequency FDD measurement & Inter Frequency TDD measurement & Inter Frequency TDD measurement & Inter RAT measurement GSM

# 3GPP RAN WG5 Meeting #27 Bath, England, 25-29 April, 2005

	CHANGE REQUEST	rm-v7
[#]	34.108 CR 408	
For <u>HELP</u> on u	using this form, see bottom of this page or look at the pop-up text over the 異 symbols	5.
Proposed change a	affects: UICC apps <mark>第</mark> ME X Radio Access Network Core Network	k
Title:	Correction to MIB, PLMN and Cell Value Tag Value Definition to 34.108	
Source:	3GPP TSG RAN WG5 (Testing)	
Work item code:選	TEI Date:   Date:  Da	
Category:	F 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)  Detailed explanations of the above categories can be found in 3GPP TR 21.900.  Release: Release: Release: Release: R96 (Release 1996) R97 (Release 1997) R98 (Release 1998) R99 (Release 1999) Rel-4 (Release 4) Rel-5 (Release 5) Rel-6 (Release 6)	:
_	To remove the definition of specific value for the MIB, PLMN and Cell value tag  ge:  Replaced the specific value for MIB, PLMN and Cell value tag with general definition based on TS 25.331	<b>]</b> .
Consequences if not approved:	# The prose will be incorrect and inconsistent with the TTCN.	
Clauses affected:	₩ Value sections, see change details.	
Other specs affected:	Y N Other core specifications 知 Test specifications O&M Specifications	
Other comments:	Mo impact to TTCN as the TTCN is already implemented this way.  This is part of a set of CRs. R5-050608, R5-050609, R5-050610, R5-050611	

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- 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  $\frac{\text{ftp://ftp.3gpp.org/specs/}}{\text{Institute}}$  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.

#### 6.1.0a.3 SIB default schedule

Block	MIB	SB1	SIB1	SIB2	SIB3	SIB4	SIB5	SIB6	SIB7	SIB11	SIB12	SIB18
Туре												
SIB_REP	8	16	64	64	64	64	64	64	16	64	64	64
SEG_ COUNT	1	1	1	1	1	1	4	4	1	3	3	1

Frame No/SIB_POS	0	2	4	6	8	10	12	14
Block Type	MIB	SB1	SIB7	SIB6	MIB	SIB6	SIB6	SIB6
Frame No/SIB_POS	16	18	20	22	24	26	28	30
Block Type	MIB	SB1	SIB7/SIB3	SIB1/SIB2	MIB	SIB12	SIB12	SIB12
Frame No/SIB_POS	32	34	36	38	40	42	44	46
Block Type	MIB	SB1	SIB7/SIB18	SIB5	MIB	SIB5	SIB5	SIB5
Frame No/SIB_POS	48	50	52	54	56	58	60	62
Block Type	MIB	SB1	SIB7/SIB4		MIB	SIB11	SIB11	SIB11

The SEG\_COUNT in the table specifies the maximum possible transport BCH blocks scheduled for broadcasting. The more contents a SIB has, the more transport BCH blocks are needed for broadcasting. In order to keep SIB repetition period, SIB\_REP, unchanged in different test cases, each specific SIB in the individual test cases after the PER encoding shall not exceed the SEG\_COUNT scheduled.

If the transport BCH blocks actually required for a SIB is less than the scheduled SEG\_COUNT, the no\_segment blocks shall be placed at the rest scheduled transport BCH blocks. In addition, the corresponding SEG\_COUNT IE value in MIB or in SB1 shall be set to the number of transport BCH blocks actually required.

#### Contents of Master Information Block PLMN type is the case of GSM-MAP

- MIB value tag	4A valid MIB value tag value as defined in TS 25.331
- Supported PLMN types	
- PLMN type	GSM-MAP
- PLMN identity	
- MCC digit	Set to the same Mobile Country Codes stored in the test USIM card (dau 8.3.2.2 EF IMSI(IMSI)).
- MNC digit	Set to the same Mobile Network Codesstored in the test USIM card (claus 8.3.2.2 EF IMSI(IMSI)).
- ANSI-41 Core Network information	Not Present "
- References to other system information blocks and	
scheduling blocks	
- References to other system information blocks	
- Scheduling information	
-CHOICE Value tag	Cell Value Tag
- Cell Value tag	4A valid Cell value tag value as defined in TS 25.331
- Scheduling	
-SEG COUNT	1
-SIB REP	16
-SIB POS	2
- SIB POS offset info	Not Present - use default
-SIB and SB type	Scheduling Block 1
- Scheduling information	
- CHOICE Value tag	PLMN Value tag
-PLMN Value tag	4 A valid PLMN value tag value as defined in TS 25.331
-SEG COUNT	1
-SIB_REP	64
-SIB POS	22
-SIB_POS offset info	Not Present - use default
-SIB and SB type	System Information Type 1
- Scheduling information	
- CHOICE Value tag	Cell Value tag
- Cell Value tag	4 A valid Cell value tag value as defined in TS 25.331
-SEG COUNT	1
-SIB REP	64
-SIB POS	22

3GPP I	'S aa.bbb vX.Y.Z (YYYY-MM)	CR page 87
	-SIB_POS offset info	Not Present - use default
	- SIB and SB type	System Information Type 2
	- Scheduling information	
	-CHOICE Value tag	Cell Value tag
	- Cell Value tag	4 A valid Cell value tag value as defined in TS 25.331
•	-SEG COUNT	1
	-SIB REP	64
	-SIB_POS	20
	- SIB POS offset info	Not Present - use default
	-SIB and SB type	System Information Type 3
	- Scheduling information	· .
	- CHOICE Value tag	Cell Value tag
1	- Cell Value tag	4 A valid Cell value tag value as defined in TS 25.331
•	-SEG COUNT	1
	-SIB REP	64
	-SIB POS	52
	-SIB POS offset info	Not Present - use default
	-SIB and SB type	System Information Type 4
	- Scheduling information	· .
	- CHOICE Value tag	Cell Value tag
	- Cell Value tag	4 A valid Cell value tag value as defined in TS 25.331
•	-SEG COUNT	4
	-SIB REP	64
	-SIB POS	38
	-SIB POS offset info	
	-SIB OFF	4
	-SIB OFF	2
	-SIB OFF	2
	- SIB and SB type	System Information Type 5

# Contents of Scheduling Block 1 (FDD and 1.28 Mcps TDD)

	1
- References to other system information blocks	
- Scheduling information	
-CHOICE Value tag	Cell Value tag
-Cell Value tag	4 A valid Cell value tag value as defined in TS 25.331
-SEG_COUNT	4
-SIB_REP	64
-SIB_POS	6
-SIB_POS offset info	
-SIB_OFF	4
-SIB_OFF	2
-SIB_OFF	2
- SIB type SIBs only	System Information Type 6
- Scheduling information	
-CHOICE Value tag	Not Present
-SEG_COUNT	1
-SIB REP	16
-SIB POS	4
-SIB POS offset info	Not Present
- SIB type SIBs only	System Information Type 7
- Scheduling information	, , , , , , , , , , , , , , , , , , , ,
-CHOICE Value tag	Cell Value tag
- Cell Value tag	4 A valid Cell value tag value as defined in TS 25.331
-SEG COUNT	3
-SIB REP	64
-SIB POS	58
-SIB POS offset info	
-SIB_OFF	2
-SIB OFF	2
- SIB type SIBs only	System Information Type 11
- Scheduling information	- J
-CHOICE Value tag	Cell Value tag
-Cell Value tag	4 A valid Cell value tag value as defined in TS 25.331
-SEG COUNT	3
-SIB REP	64
-SIB POS	26
-SIB POS offset info	
-SIB OFF	2
-SIB_OFF	2 2
J 315_51 !	I <del>-</del>

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- SIB type SIBs only	System Information Type 12
- Scheduling information	
-CHOICE Value tag	Cell Value tag
Cell Value tag	4 A valid Cell value tag value as defined in TS 25.331
-SEG_COUNT	1
-SIB_REP	64
-SIB_POS	36
-SIB_POS offset info	Not Present
- SIB type SIBs only	System Information Type 18

# Contents of Scheduling Block 1 (3.84 Mcps TDD)

below in gallock (c.e. mope 122)	
- References to other system information blocks	
- Scheduling information	
- CHOICE Value tag	Cell Value tag
- Cell Value tag	4 A valid Cell value tag value as defined in TS 25.331
-SEG COUNT	4
-SIB_REP	128
-SIB_POS	3
-SIB POS offset info	o a constant of the constant o
-SIB_OFF	4
-SIB_OFF	2
-SIB_OFF	2
-SIB_OFF -SIB type SIBs only	Custom Information Tuno 6
	System Information Type 6
- Scheduling information	Not Descent
-CHOICE Value tag	Not Present
-SEG_COUNT	1
-SIB_REP	16
-SIB_POS	2
-SIB_POS offset info	Not Present
- SIB type SIBs only	System Information Type 7
- Scheduling information	
-CHOICE Value tag	Cell Value tag
- Cell Value tag	4 A valid Cell value tag value as defined in TS 25.331
-SEG_COUNT	3
-SIB_REP	64
-SIB_POS	29
-SIB_POS offset info	
-SIB_OFF	2
-SIB_OFF	2
- SIB Type SIBs only	System Information Type 11
- Scheduling information	
- CHOICE Value tag	Cell Value tag
-Cell Value tag	4 A valid Cell value tag value as defined in TS 25.331
-SEG_COUNT	3
-SIB_REP	64
-SIB POS	13
- SIB POS offset info	
-SIB_OFF	2
-SIB_OFF	2
- SIB type SIBs only	System Information Type 12
- Scheduling information	-,
- CHOICE Value tag	Cell Value tag
- Cell Value tag	4 A valid Cell value tag value as defined in TS 25.331
-SEG COUNT	1
-SIB REP	64
-SIB POS	54
-SIB POS offset info	Not Present - use default
-SIB_rcsolisetino -SIB type SIBs only	System Information Type 14
- Sib type Sibs of ity - Scheduling information	оузаннионнавон турс 14
	DLMNI /aluatag
-CHOICE Value tag	PLMN Value tag
-PLMN Value tag	4 A valid PLMN value tag value as defined in TS 25.331
-SEG_COUNT	1 64
-SIB_REP	64
-SIB_POS	6
-SIB_POS offset info	Not Present
- SIB type SIBs only	System Information Type 18

## 6.1.0a.4.1 SIB schedule for two S-CCPCH or two PRACH (For FDD)

Table 1

Frame No.	0					10	10	14
		2	4	6	8	10	12	14
REP-POS	0	1	2	3	4	5	6	7
Block Type	MIB	SB1	SB1		MIB	SIB1	SIB18	SIB2
Frame No.	16	18	20	22	24	26	28	30
REP-POS	8	9	10	11	12	13	14	15
Block Type	MIB	SB1	SB1	SIB7	MIB	SIB3		SIB4
Frame No.	32	34	36	38	40	42	44	46
REP-POS	16	17	18	19	20	21	22	23
Block Type	MIB	SB1	SB1	SIB5	MIB	SIB5	SIB5	SIB5
Frame No.	48	50	52	54	56	58	60	62
REP-POS	24	25	26	27	28	29	30	31
Block Type	MIB	SB1	SB1	SIB7	MIB	SIB11	SIB11	SIB11
Frame No.	64	66	68	70	72	74	76	78
REP-POS	32	33	34	35	36	37	38	39
Block Type	MIB	SB1	SB1	SIB5	MIB	SIB5	SIB5	SIB5
Frame No.	80	82	84	86	88	90	92	94
REP-POS	40	41	42	43	44	45	46	47
Block Type	MIB	SB1	SB1	SIB7	MIB	SIB3		SIB4
Frame No.	96	98	100	102	104	106	108	110
REP-POS	48	49	50	51	52	53	54	55
Block Type	MIB	SB1	SB1		MIB			
Frame No.	112	114	116	118	120	122	124	126
REP-POS	56	57	58	59	60	61	62	63
Block Type	MIB	SB1	SB1	SIB7	MIB	SIB12	SIB12	SIB12

SIB-repeat period (in frame)

Table 2

Block Type	MIB	SB1	SIB1	SIB2	SIB3	SIB4	SIB5	SIB7	SIB11	SIB12	SIB18
SIB Rep	8	16	128	128	64	64	128	32	128	128	128
Max. No of seg.	1	2	1	1	1	1	8	1	3	3	1

6.1.0a.4.2 SIB schedule for Inter-Rat Handover Test

**FFS** 

# 6.1.0b Default System Information Block Messages

Contents of System Information Block type 1 (supported PLMN type is GSM-MAP)

- CN common GSM-MAP NAS system information	A1	
- GSM-MAP NAS system information		00 01H
-CN domain system information		
- CN domain identity		PS
-CHOICE CN Type		GSM-MAP
- CN domain specific NAS system information		
- GSM-MAP NAS system information		05 00H
- CN domain specific DRX cycle length coefficient		7
- CN domain identity		CS
-CHOICE CN Type		GSMHMAP
- CN domain specific NAS system information		
- GSM-MAP NAS system information		1E01H
- CN domain specific DRX cycle length coefficient		7
- CN common GSM-MAP NAS system information	A2	
- GSM-MAP NAS system information		00 80H (see note)
- CN domain system information		
- CN domain identity		PS
-CHOICE CN Type		GSM-MAP
- CN domain specific NAS system information		
- GSM-MAP NAS system information		00 00H (see note)
- CN domain specific DRX cycle length coefficient		7
- CN domain identity		CS
-CHOICE CN Type		GSM-MAP
- CN domain specific NAS system information		
- GSM-MAP NAS system information		1E01H
- CN domain specific DRX cycle length coefficient		7
- UE Timers and constants in idle mode	A1, A2	
-T300		4 000 milliseconds
-N300		3
-T312		10 seconds
-N312		1
- UE Timers and constants in connected mode		
-T301		Not Present (2 000 milliseconds: default value)
-N301		Not Present (2: default value)
-T302		Not Present (4 000 milliseconds: default value)
-N302		Not Present (3: default value)
-T304		Not Present (2 000 milliseconds: default value)
-N304		Not Present (2: default value)
-T305		Not Present (30 minutes: default value)
-T307		Not Present (30 seconds: default value)
-T308		Not Present (160 milliseconds: default value)
-T309		Not Present (5 seconds: default value)
-T310		Not Present (160 milliseconds: default value)
-N310		Not Present (4: default value)
-T311	]	Not Present (2 000 milliseconds: default value)
-T312	]	Not Present (1 seconds: default value)
-N312		Not Present (1: default value)
-T313		Not Present (3 seconds: default value)
-N313		Not Present (20: default value)
-T314		Not Present (12 seconds: default value)
-T315		Not Present (180 seconds: default value)
-N315	]	Not Present (1: default value)
-T316	]	Not Present (30 seconds: default value)
-T317	]	Not Present (180 seconds: default value)
NOTE: For Inter-RAT test cases GERAN and UTRAN cells use	different LAC	

Condition	Explanation		
A1	UTRAN cell environment		
A2	UTRAN/GSM inter-RAT cell environment		

- URA identity list	Only 1 URA identity broadcasted
- URA identity	0000 0000 0000 0001B

#### Contents of System Information Block type 3 (FDD)

- SIB4 indicator	TRUE
- Cell identity	0000 0000 0000 0000 0000 0000 0001B
- Cell selection and re-selection info	
- Mapping info	Not Present
- Cell selection and reselection quality measure	CPICH RSCP
-CHOICE mode	FDD
- Sintrasearch	16dB
- Sintersearch	16dB
- SsearchHCS	Not Present
-RAT List	This parameter is configurable
-RAT identifier	GSM
- Ssearch,RAT	-32 dB
-SHCS,RAT	Not Present
- Slimit,SearchRAT	0
- Qqualmin	Reference to table 6.1.1
- Qrxlevmin	Reference to table 6.1.1
-Qhyst1s	2dB
- Qhyst2s	Not Present
- Treselections	0 seconds
- HCS Serving cell information	Not Present
- Maximum allowed ULTX power	Reference to table 6.1.1
- Cell Access Restriction	
- Cell barred	Not barred
- Intra-frequency cell re-selection indicator	Not present
-T <sub>barred</sub>	Not present
- Cell Reserved for operator use	Not reserved
- Cell Reservation Extension	Not reserved
- Access Class Barred List	
- Access Class Barred0	Not barred
- Access Class Barred1	Not barred
- Access Class Barred2	Not barred
- Access Class Barred3	Not barred
-Access Class Barred4	Not barred
-Access Class Barred5	Not barred
- Access Class Barred6	Not barred
-Access Class Barred7	Not barred
- Access Class Barred8	Not barred
- Access Class Barred9	Not barred
-Access Class Barred10	Not barred
- Access Class Barred11	Not barred
- Access Class Barred 12	Not barred
-Access Class Barred13	Not barred
-Access Class Barred14	Not barred
- Access Class Barred15	Not barred

## Contents of System Information Block type 3 (3.84 Mcps TDD and 1.28 Mcps TDD)

- SIB4 Indicator	TRUE
- Cell identity	0000 0000 0000 0000 0000 0001B
- Cell selection and re-selection info	
- Mapping info	Not present
- Cell selection and reselection quality measure	(no data)
- CHOICE mode	TDD
- Sintrasearch	10 dB
- Sintersearch	10 dB
- SsearchHCS	Not present
-RATList	This parameter is configurable
-RATidentifier	GSM
-Ssearch,RAT	-32 dB
-SHCS,RAT	Not present
- Simit,ShearchRAT	Not Present
- Qrxlevmin	-103 dBm

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- Qhyst1s	0 dB	
- Treselections	0 seconds	
- HCS Serving cell information	Not present	
- Maximum allowed ULTX power	30dBm	
- Cell Access Restriction		
- Cell barred	Not barred	
- Intra-frequency cell re-selection indicator	Not present	
- T <sub>barred</sub>	Not present	
- Cell Reserved for operator use	Not reserved	
- Cell Reservation Extension	Not reserved	
- Access Class Barred List		
- Access Class Barred0	Not barred	
- Access Class Barred1	Not barred	
- Access Class Barred2	Not barred	
- Access Class Barred3	Not barred	
- Access Class Barred4	Not barred	
- Access Class Barred5	Not barred	
- Access Class Barred6	Not barred	

Not barred

#### Contents of System Information Block type 4 in connected mode (FDD)

- Access Class Barred7 - Access Class Barred8

- Access Class Barred9

- Access Class Barred10

- Access Class Barred11

- Access Class Barred12

- Access Class Barred13

- Access Class Barred14

- Access Class Barred 15

- Cell identity	0000 0000 0000 0000 0000 0000 0001B
- Cell selection and re-selection info	
- Mapping Info	Not present
- Cell selection and reselection quality measure	CPICHRSCP
- CHOICE mode	FDD
- Sintrasearch	16dB
- Sintersearch	16 dB
- SsearchHCS	Not present
-RAT List	This parameter is configurable
-RAT identifier	GSM
- Ssearch,RAT	-32 dB
-SHCS,RAT	Not Present
- Simit, Şearch RAT	0
- Qqualmin	Reference to table 6.1.1
- Qrxlevmin	Reference to table 6.1.1
- Qhyst1s	2dB
-Qhyst2s	Not Present
- Treselections	0 seconds
-HCS Serving cell information	Not Present
- Maximum allowed ULTX power	Reference to table 6.1.1
- Cell Access Restriction	
- Cell barred	Not barred
- Intra-frequency cell re-selection indicator	Not present
-T <sub>barred</sub>	Not present
- Cell Reserved for operator use	Not reserved
- Cell Reservation Extension	Not reserved
- Access Class Barred List	Not present

# Contents of System Information Block type 4 in connected mode (similar to SIB type3) (3.84 Mcps TDD and 1.28 Mcps TDD)

- Cell identity	0000 0000 0000 0000 0000 0000 0001B
- Cell selection and re-selection info	
- Mapping info	Not Present
- Cell selection and reselection quality measure	(no data)
- CHOICE mode	TDD
- Sintrasearch	10 dB

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10 dd:555 VX:1:2 (1111-1111)	On page 50
- Sintersearch	10 dB
-SsearchHCS	Not present
-RAT List	This parameter is configurable
-RAT identifier	GSM
- Ssearch,RAT	-32 dB
-SHCS,RAT	Not present
- Simit Shearch RAT	Not Present
- Qrxlevmin	-103 dBm
- Qhyst1s	0 dB
- Treselections	0 seconds
- HCS Serving cell information	Not present
- Maximum allowed ULTX power	30dBm
- Cell Access Restriction	
- Cell barred	Not barred
- Intra-frequency cell re-selection indicator	Not present
- T <sub>barred</sub>	Not present
- Cell Reserved for operator use	Not reserved
- Cell Reservation Extension	Not reserved
- Access Class Barred List	Not present

# Contents of System Information Block type 5 (FDD)

SBB indicator	CIDG indicator	Ттрис
-CHOICE Mode		
- ACH Power offset - Primary CCPCH info - PRACH system information - PRACH info - CHOICE mode - Available Signature - Prematible srambling code number - Puncturing limit - Available Signature - Availa		
Primary CCPCH info		1
- PRACH system information ist - PRACH system information - PRACH into - CHOICE mode - Available Signature - Mode Signature - Available Signature - Available Signature - Available Signature - Available Signature - Mode - Premotive scrambling code number - 100 - Proventing Limit - Available Six D Channel number - 1100		
PRACH system information   PRACH info   C-HOICE mode   FDD   1000 0000 1111 11111   1111		INOT present
PRACH info		
-CHOICE mode -Available Signature -Available SF -Preamble scannibing code number -Puncturing limit -Available Sub Channel number -Puncturing limit -Available Sub Channel number -Transport channel loterity -Transport channel loterity -Transport channel loterity -RACH TFS -CHOICE Transport channel lype -Dynamic Transport format information -RLC size -Number of Transport florate list -CHOICE Mode -CHOICE Logical channel List -Number of Transport blocks -CHOICE Logical channel List -Number of Transport blocks -CHOICE Mode -Transmission time interval -Type of channel coding -Coding Rate -Rade matching attribute -CHOICE TFCS representation -TFCS complete reconfiguration information -TFCS CHOICE TFCS representation -CHOICE TFCS size residence -CHOICE TFCS size residence -CHOICE Gain Factors -Reference IFC ID -CHOICE Mode -Power offset information -CHOICE Mode -Power offset Ppm -CTFC information -CTC information		
- Available Signature		
- Available SF		1
- Preamble scrambling code number - Puncturing Limit - Available Sub Channel number - Transport channel Identity - RACH TFS - CHOICE Transport channel type - Dynamic Transport format information - RL C size - Number of Transport blocks - CHOICE Mode - CHOICE Mode - CHOICE Mode - CHOICE Logical channel List - Number of Transport blocks - CHOICE Mode - CHOICE Logical channel List - RL C size - Number of Transport blocks - CHOICE Mode - CHOICE Logical channel List - Remainsion time interval - Configured - Semi-static Transport format information - Transmission time interval - Coding Rate - Rate matching attribute - CR Cisize - RACH TFCS - CHOICE TFC signaling - TFC IFCS representation - TFCS complete reconfiguration information - CHOICE TFC Size - CTFC information - CHOICE CTFC Size - CTFC information - CHOICE Gain Factors - Reference TFC ID - CHOICE Mode - Power offset information - CTFC information - CHOICE Mode - Power offset information - CHOICE Mode - Power offset information - CTFC information - Power offset information	_	
- Puncturing Limit		
- Available Sub Channel number - Transport channel Identity - RACH TTS - CHOICE Transport channel type - Dynamic Transport format information - RLC size - Number of Transport blocks - CHOICE Logical channel List - RLC size - Number of Transport blocks - CHOICE Logical channel List - RLC size - Number of Transport blocks - CHOICE Logical channel List - RLC size - Number of Transport blocks - CHOICE Logical channel List - RLC size - Number of Transport blocks - CHOICE Mode - CHOICE Logical channel List - Configured - Semi-static Transport Format information - Transmission time interval - Type of channel coding - Coding Rate - Rate matching attribute - CRC size - RACH TTCS - CHOICE TFC Isignalling - TFCI Field 1 information - CHOICE TFC signalling - TFCI Field 1 information - CHOICE CTFC Size - CTFC information - CHOICE CTFC Size - CTFC information - CHOICE Gain Factors - Reference TFC ID - CHOICE Mode - Power offset information - CTFC information - CHOICE Mode - Power offset information - CTFC information - Power offset information		
- Transport channel Identity - RACH TFS - CHOICE Transport channel type - Dynamic Transport format information - RLC size - Number of TB and TTI List - Number of Transport blocks - CHOICE Mode - CHOICE Logical channel List - Number of Transport blocks - CHOICE Logical channel List - Number of Transport blocks - CHOICE Logical channel List - Number of Transport blocks - Cholice Transport blocks - Number of Transport blo		
-RACH TFS -CHOICE Transport channel type -Dynamic Transport format information -RLC size -Number of TB and TTI List -Number of Tiansport blocks -CHOICE Mode -CHOICE Logical channel List -Number of TB and TTI List -Number of Tiansport blocks -CHOICE Logical channel List -Number of Tiansport format information -Transmission time interval -Nye of channel coding -Coding Rate -Rate matching attibute -CRC size -RACH TFCS -CHOICE TFCI signaling -TFCI Field 1 information -CHOICE TFCS representation -TFCS complete reconfiguration information -CHOICE CTFC Size -CTFC information -CHOICE Cain Factors -Reference TFC ID -CHOICE Mode -Power offset information -CTFC information -CTFC information -CHOICE Gain Factors -Reference TFC ID -CHOICE Mode -Power offset information -CTFC information -	- Available Sub Channel number	'1111 1111 1111'B
-RACH TFS -CHOICE Transport channel type -Dynamic Transport format information -RLC size -Number of TB and TTI List -Number of Tiansport blocks -CHOICE Mode -CHOICE Logical channel List -Number of TB and TTI List -Number of Tiansport blocks -CHOICE Logical channel List -Number of Tiansport format information -Transmission time interval -Nye of channel coding -Coding Rate -Rate matching attibute -CRC size -RACH TFCS -CHOICE TFCI signaling -TFCI Field 1 information -CHOICE TFCS representation -TFCS complete reconfiguration information -CHOICE CTFC Size -CTFC information -CHOICE Cain Factors -Reference TFC ID -CHOICE Mode -Power offset information -CTFC information -CTFC information -CHOICE Gain Factors -Reference TFC ID -CHOICE Mode -Power offset information -CTFC information -	- Transport channel Identity	15
- CHOICE Transport channel type - Dynamic Transport formatinformation - RLC size - Number of TB and TTI List - Number of TB and TTI List - Number of Transport blocks - CHOICE Mode - CHOICE Logical channel List - RLC size - Number of Transport blocks - RLC size - Number of Transport blocks - CHOICE Mode - CHOICE Mode - CHOICE Mode - CHOICE Logical channel List - Number of Transport blocks - CHOICE Logical channel List - Number of Transport blocks - CHOICE Logical channel List - CHOICE Logical channel List - CHOICE Logical channel List - Semi-static Transport Format information - Transmission time interval - Type of channel coding - Couring Rate - Rate matching attribute - CRC size - RACH TFCS - CHOICE TFC Signalling - TFC I Field 1 information - CHOICE TFC Signalling - TFC I Field 1 information - CHOICE TFC Signal consistency - CHOICE TFC Signal consi	•	
- Dynamic Transport format information - RLC size - Number of TB and TTI List - Number of Transport blocks - CHOICE Mode - CHOICE Logical channel List - RLC size - Number of TB and TTI List - RLC size - Number of TB and TTI List - Number of Transport blocks - CHOICE Mode - CHOICE Logical channel List - Number of Transport Format information - Transmission time interval - Configured - Semi-static Transport Format information - Transmission time interval - Convolutional - Convolutional - Convolutional - Cording Rate - Rate matching attribute - CRC size - RACH TFCS - CHOICE TFCI signalling - TFCI Field 1 information - CHOICE TFCS representation - TFCI Field 1 information - CHOICE CTFC Size - CTFC information - CHOICE Gein Factors - Reference TFC ID - CHOICE Mode - Power offset information - CTFC information - CTFC information - Power offset information - CTFC information - Power offset information	- CHOICE Transport channel type	Common transport channels
-RLC size -Number of Transport blocks -CHOICE Logical channel List -RLC size -Number of Transport blocks -RLC size -Number of Transport blocks -RLC size -Number of Transport blocks -CHOICE Logical channel List -Number of Transport blocks -CHOICE Mode -CHOICE Logical channel List -Semi-static Transport Format information -Transmission time interval -Configured -Semi-static Transport Format information -Transmission time interval -Configured -Semi-static Transport Format information -Transmission time interval -Configured -Configured -Configured -Configured -Configured -Configured -Configured -Configured -Configured -Convolutional -Convolutional -Convolutional -Convolutional -Convolutional -Configured -Convolutional -C	- Dynamic Transport format information	·
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- Number of Transport blocks - CHOICE Mode - CHOICE Logical channel List - RLC size - Number of Transport blocks - CHOICE Mode - CHOICE Logical channel List - Semi-static Transport Format information - Transmission time interval - Coding Rate - Type of channel coding - Coding Rate - Rate matching attribute - CRC size - RACH TFCS - CHOICE TFCI signalling - TFCI Field 1 information - CHOICE TFC Size - CTFC information - CHOICE CTFC Size - CTFC information - CHOICE Gain Factors - Reference TFC ID - CHOICE Mode - Power offset information - TFCS information - CHOICE Mode - Power offset information - TFC information		
- CHOICE Mode - CHOICE Logical channel List - RLC size - Number of TB and TTI List - Number of Transport blocks - CHOICE Mode - CHOICE Logical channel List - Semi-static Transport Format information - Transmission time interval - Type of channel coding - Coding Rate - Rate matching attribute - CRC size - RACH TFCS - CHOICE TFCI signalling - TFCI Field 1 information - TFCS complete reconfiguration information - TFCS complete reconfiguration information - CHOICE CTFC Size - CTFC information - CHOICE Gain Factors - Reference TFC ID - CHOICE Mode - Power offset information - CHOICE Mode - Power offset information - CTFC information - TFC information		1
- CHOICE Logical channel List - RLC size - Number of TB and TTI List - Number of Transport blocks - CHOICE Mode - CHOICE Mode - CHOICE Logical channel List - Semi-static Transport Format information - Transmission time interval - Type of channel coding - Coding Rate - Rate matching attribute - CRC size - RACH TFCS - CHOICE TFCI signalling - TTCI Field 1 information - TFCS complete reconfiguration information - TFCS complete reconfiguration information - CHOICE CTFC Size - CTFC information - CHOICE Gain Factors - Reference TFC ID - CHOICE Mode - Power offset information - CTFC information - TFCI cinformation - CHOICE Mode - Power offset information - TFCI cinformation - TFCI cinformation - TFCI cinformation - CHOICE Mode - Power offset information - TFCI cinformation	·	
-RLC size 360  -Number of TB and TTI List -Number of Transport blocks 1 -CHOICE Mode FDD  -CHOICE Logical channel List Configured  -Semi-static Transport Format information - Transmission time interval 20 ms - Type of channel coding Convolutional - Coding Rate 1/2 - Rate matching attribute 150 - CRC size 16 - RACH TTCS -CHOICE TFCI signalling Normal - TFCI Field 1 information - CHOICE TFCS representation Complete reconfiguration information - CHOICE TFC Size 2 2 bit - CTFC information - CHOICE Gain Factors Computed Gain Factor - Reference TFC ID - CHOICE Mode FDD - Power offset information - TTCI cinformation 1 - Power offset information		
- Number of TB and TTI List - Number of Transport blocks - CHOICE Mode - CHOICE Logical channel List - Semi-static Transport Format information - Transmission time interval - Type of channel coding - Coding Rate - Rate matching attribute - CRC size - RACH TFCS - CHOICE TFCI signalling - TFCI Field 1 information - CHOICE TFCS representation - TFCS complete reconfiguration information - CHOICE TFC Size - CTFC information - CHOICE Gain Factors - Reference TFC ID - CHOICE Mode - Power offset Ppm - CTFC information - CHOICE Mode - Power offset information - CHOICE Information - CTFC information - CHOICE Mode - Power offset information - CTFC information - CTFC information - CHOICE Mode - Power offset information - CTFC information - CHOICE Mode - Power offset information - CTFC information - CHOICE Information - CHOICE Mode - Power offset information - CTFC information - CHOICE Mode - Power offset information - CHOICE Information - CHOICE Information - CHOICE Information - CHOICE Mode - Power offset information - CHOICE Information - CHOICE Information - CHOICE Information - CHOICE Mode - Power offset Information - CHOICE Mode - Power offset Information - CHOICE Informati		<u> </u>
- Number of Transport blocks - CHOICE Mode - CHOICE Logical channel List - Semi-static Transport Format information - Transmission time interval - Type of channel coding - Coding Rate - Rate matching attribute - CRC size - RACH TFCS - CHOICE TFCI signalling - TFCI Field 1 information - CHOICE TFC Size - CTFC information - CHOICE CTFC Size - CHOICE TFC Size - CHOICE Gain Factors - Reference TFC ID - CHOICE Mode - Power offset Pp-m - CTFC information - CTFC information - CTFC information - CHOICE Mode - Power offset Pp-m - CTFC information - CHOICE Information - CHOICE Mode - Power offset information - CTFC information - CTFC information - CHOICE Mode - Power offset information - CTFC information - CHOICE Information - CTFC information - CHOICE Information - CTFC information - CHOICE Information - CTFC information - CTFC information - CTFC information - CTFC information		
- CHOICE Mode - CHOICE Logical channel List - Semi-static Transport Format information - Transmission time interval - Type of channel coding - Cooling Rate - Rate matching attribute - Rate matching attribute - RACH TFCS - CHOICE TFCI signalling - TFCI Field 1 information - CHOICE TFC sepresentation - TFCS complete reconfiguration information - CHOICE CTFC Size - CTFC information - CHOICE Gain Factors - Reference TFC ID - CHOICE Mode - Power offset Pp-m - CTFC information - CTFC information - CHOICE Mode - Power offset information - CTFC information - CTFC information - CHOICE Mode - Power offset information - CTFC information - Power offset information - CTFC information - Power offset information		1
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- Semi-static Transport Format information - Transmission time interval - Type of channel coding - Coding Rate - Coding Rate - Race matching attribute - CRC size - RACH TFCS - CHOICE TFCI signalling - TFCI Field 1 information - CHOICE TFCS representation - TFCS complete reconfiguration information - CHOICE CTFC Size - CTFC information - Power offset information - CHOICE Mode - Power offset information - CTFC information - CHOICE Mode - Power offset information - CTFC information - CTFC information - CHOICE Mode - Power offset information - CHOICE Mode - Power offset information - CTFC information - Power offset information		
- Transmission time interval - Type of channel coding - Coding Rate - Rate matching attribute - CRC size - RACH TFCS - CHOICE TFCI signalling - TFCI Field 1 information - CHOICE TFCS complete reconfiguration information - CHOICE CTFC Size - CTFC information - CHOICE Gain Factors - Reference TFC ID - CHOICE Mode - Power offset information - CTFC information - CHOICE Mode - Power offset information - CHOICE Mode - Power offset information - CTFC information - CHOICE Mode - Power offset information - CTFC information - Power offset information - Power offset information		J
- Type of channel coding - Coding Rate - Rate matching attribute - CRC size - RACH TFCS - CHOICE TFCI signalling - TFCI Field 1 information - CHOICE TFCS representation - CHOICE TFCS representation - TFCS complete reconfiguration information - CHOICE CTFC Size - CTFC information - Power offset information - CHOICE Gain Factors - Reference TFC ID - CHOICE Mode - Power offset Pp-m - CTFC information - CTFC information - CTFC information - CTFC information - CHOICE Mode - Power offset information - CTFC information - CTFC information - CTFC information - CTFC information - Power offset information		20 ms
- Coding Rate - Rate matching attribute - CRC size - RACH TFCS - CHOICE TFCI signalling - TFCI Field 1 information - CHOICE TFCS representation - TFCS complete reconfiguration information - CHOICE CTFC Size - CTFC information - Power offset information - CHOICE Gain Factors - Reference TFC ID - CHOICE Mode - Power offset Pp-m - CTFC information - CTFC information - CTFC information - CHOICE Mode - Power offset Pp-m - CTFC information - Power offset information		
- Rate matching attribute - CRC size - RACH TFCS - CHOICE TFCI signalling - TFCI Field 1 information - CHOICE TFCS representation - TFCS complete reconfiguration information - CHOICE CTFC Size - CTFC information - Power offset information - CHOICE Gain Factors - Reference TFC ID - CHOICE Mode - Power offset Pp-m - CTFC information - CTFC information - CTFC information - CHOICE Mode - Power offset information - CTFC information - Power offset information - Power offset information - Power offset information - Power offset information		
-CRC size -RACH TFCS -CHOICE TFCI signalling -TFCI Field 1 information -CHOICE TFCS representation -TFCS complete reconfiguration information -CHOICE CTFC Size -CTFC information -CHOICE Gain Factors -Reference TFC ID -CHOICE Mode -Power offset Pp-m -CTFC information -CTFC information -CHOICE Mode -Power offset information -CTFC information -CTFC information -CTFC information -Power offset information -Power offset information -Power offset information		
-RACH TFCS -CHOICE TFCI signalling -TFCI Field 1 information -CHOICE TFCS representation -TFCS complete reconfiguration information -CHOICE CFC Size -CTFC information -Power offset information -CHOICE Gain Factors -Reference TFC ID -CHOICE Mode -Power offset Pp-m -CTFC information -CTFC information -CTFC information -CHOICE Mode -Power offset Pp-m -CTFC information -Power offset information -Power offset information		
- CHOICE TFCI signalling - TFCI Field 1 information - CHOICE TFCS representation - TFCS complete reconfiguration information - CHOICE CTFC Size - CTFC information - Power offset information - CHOICE Gain Factors - Reference TFC ID - CHOICE Mode - Power offset Pp-m - CTFC information - CTFC information - Power offset information - Power offset information - Power offset information - Power offset information		
- TFCI Field 1 information - CHOICE TFCS representation - TFCS complete reconfiguration information - CHOICE CTFC Size - CTFC information - Power offset information - CHOICE Gain Factors - Reference TFC ID - CHOICE Mode - Power offset Pp-m - CTFC information - CTFC information - CTFC information - Power offset information - Power offset information - Power offset information		Nomal
- CHOICE TFCS representation - TFCS complete reconfiguration information - CHOICE CTFC Size - CTFC information - Power offset information - CHOICE Gain Factors - Reference TFC ID - CHOICE Mode - Power offset Pp-m - CTFC information - Power offset information - Complete reconfiguration  Complete reconfiguration		
- TFCS complete reconfiguration information - CHOICE CTFC Size 2 bit - CTFC information 0 - Power offset information - CHOICE Gain Factors Computed Gain Factor - Reference TFC ID 0 - CHOICE Mode FDD - Power offset Pp-m 0 dB - CTFC information 1 - Power offset information		Complete reconfiguration
- CHOICE CTFC Size 2 bit  - CTFC information 0  - Power offset information  - CHOICE Gain Factors Computed Gain Factor  - Reference TFC ID 0  - CHOICE Mode FDD  - Power offset Pp-m 0 dB  - CTFC information 1  - Power offset information	- TECS complete reconfiguration information	On pioco rocor ingulation i
- CTFC information - Power offset information - CHOICE Gain Factors - Reference TFC ID - CHOICE Mode - Power offset Pp-m - CTFC information - Power offset information - Power offset information		2hit
- Power offset information - CHOICE Gain Factors - Reference TFC ID - CHOICE Mode - Power offset Pp-m - CTFC information - Power offset information		
- CHOICE Gain Factors - Reference TFC ID - CHOICE Mode - Power offset Pp-m - CTFC information - Power offset information - CHOICE Gain Factor 0 FDD - FDD - Information 1		<b> </b>
- Reference TFC ID 0 - CHOICE Mode FDD - Power offset Pp-m 0 dB - CTFC information 1 - Power offset information		Computed Gain Factor
- CHOICE Mode FDD - Power offset Pp-m 0 dB - CTFC information 1 - Power offset information		'
- Power offset Pp-m 0 dB - CTFC information 1 - Power offset information		
- CTFC information 1 - Power offset information		
- Power offset information		
		['

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- Number of Transport blocks	1	
- CHOICE Logical channel List	ALL	
- Semi-static Transport Format information		
- Transmission time interval	10 ms	
- Type of channel coding	Turbo	
- Rate matching attribute	130	
-CRC size	16bit	
- Transport channel Identity	14 (for FACH)	
- CTCH indicator	FALSE	
- PICH info		
- CHOICE mode	FDD	
- Channelisation code	2	
- Number of PI per frame	18	
-STTD indicator	FALSE	
- CRS DRX Level 1 information	Not Present	

# Contents of System Information Block type 5 (3.84 Mcps TDD)

- SIB6 indicator	TRUE
- PICH Power offset	l-5dB
- CHOICE Mode	TDD
- PUSCH system information	Not Present
- PDSCH system information	Not Present
-TDD open loop power control	NOCT TOSSIT
- Primary CCPCH Tx Power	30 dbm
-CHOICE TDD option	3.84 Maps TDD /REL-4/
-Alpha	(1/8)
- PRACH Constant Value	l-10
- DPCH Constant Value	I-10 I-10
- PUSCH Constant Value	I-10 I-10
	Not Present /REL-4/
- UE positioning related parameters	Not Fleschit /REL-4/
- Primary CCPCH info - CHOICE <i>mode</i>	TDD
- CHOICE TDD option	3.84 Maps TDD /REL-4/
- CHOICE SyncCase	Sync Case 2
- Timeslot	0 Not December
- Cell parameters ID	Not Present
- SCTD indicator	FALSE
- PRACH system information list	
- PRACH system information	
-PRACH info	
-CHOICE mode	TDD
- CHOICE TDD option	3.84 Mcps TDD /REL-4/
- Timeslot number	14
- PRACH Channelisation Code List	
-CHOICE SF	SF8
- Channelisation Code List	
- Channelisation Code	8/1
- Channelisation Code	8/2
- Channelisation Code	8/3
- Channelisation Code	8/4
-PRACH Midamble	Direct
- PNBSCH allocation	Not Present /REL-4/
- Transport channel Identity	15
-RACHTFS	
- CHOICE Transport channel type	Common transport channels
- Dynamic Transport format information	
-RLC size	Reference dause 6.10 "Parameter Set"
-Number of TB and TTI List	Reference dause 6.10 "Parameter Set"
- Number of Transport blocks	Reference dause 6.10 "Parameter Set"
- CHOICE Mode	TDD
- Transmission Time Interval	Not Present
- CHOICE Logical channel List	Configured
- Semi-static Transport Format information	
- Transmission time interval	Reference dause 6.10 "Parameter Set"
- Type of channel coding	Reference dause 6.10 "Parameter Set"
- Coding Rate	Reference dause 6.10 "Parameter Set"
- Rate matching attribute	Reference clause 6.10 "Parameter Set"
-CRC size	Reference dause 6.10 "Parameter Set"
-RACHTFCS	Not present
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- Transmission time interval

- Type of channel coding

- Rate matching attribute

- Coding Rate

CR page 98 - Individual timeslot info - CHOICE TDD option 3.84 Mcps TDD - Timeslot number - TFCI existence Reference dause 6.10 "Parameter Set" - Midamble Shift and burst type -CHOICE TDD option 3.84 Mcps TDD - CHOICE Burst Type Type 1 - Midamble Allocation Mode Default midamble - Midamble configuration burst type 1 and 3 Not Present - Midamble Shift - CHOICE TDD option 3.84 Mcps TDD -no data -Code List - Channelisation Code (This IE is repeated for Code number for PCH and FACH) (This IE is repeated for TFC number for PCH and FACH) -CHOICE TFCI signalling - Normal -TFCI Field 1 information - CHOICE TFCS representation Complete reconfiguration - TFCS complete information - CHOICE CTFC Size Number of bits used must be enough to cover all combinations of CTFC from dause 6.10. -CTFC information Reference dause 6.10 "Parameter Set" - Power offset information Not Present - FACH/PCH information (PCH) - CHOICE Transport channel type Common transport channels - Dynamic Transport format information Reference dause 6.10 "Parameter Set" -RLC Size - Number of TB and TTI List Reference clause 6.10 "Parameter Set" Reference clause 6.10 "Parameter Set" - Number of Transport blocks -CHOICE Mode TDD Reference dause 6.10 "Parameter Set" - Transmission Time Interval - CHOICE Logical channel List ALL - Semi-static Transport Format information Reference dause 6.10 "Parameter Set" - Transmission time interval - Type of channel coding Reference dause 6.10 "Parameter Set" - Coding Rate Reference clause 6.10 "Parameter Set" - Rate matching attribute Reference clause 6.10 "Parameter Set" Reference dause 6.10 "Parameter Set" -CRC size - Transport channel Identity 12 (for PCH) -CTCH indicator **FALSE** -TFS (FACH) - CHOICE Transport channel type Common transport channels - Dynamic Transport format information -RICSize Reference dause 6.10 "Parameter Set" - Number of TB and TTI List Reference dause 6.10 "Parameter Set" - Number of Transport blocks Reference clause 6.10 "Parameter Set" -CHOICE Mode TDD - Transmission Time Interval Reference clause 6.10 "Parameter Set" - CHOICE Logical channel List ΑΙ Ι - Semi-static Transport Format information Reference dause 6.10 "Parameter Set" - Transmission time interval - Type of channel coding Reference clause 6.10 "Parameter Set" - Coding Rate Reference clause 6.10 "Parameter Set" - Rate matching attribute Reference dause 6.10 "Parameter Set" Reference dause 6.10 "Parameter Set" -CRC size - Transport channel Identity 13 (for FACH) - CTCH indicator FALSE -TFS (FACH) Common transport channels - CHOICE Transport channel type - Dynamic Transport format information -RLC Size Reference clause 6.10 "Parameter Set" - Number of TB and TTI List Reference clause 6.10 "Parameter Set" Reference clause 6.10 "Parameter Set" - Number of Transport blocks - CHOICE Mode - CHOICE Logical channel List ALL - Semi-static Transport Format information

Reference clause 6.10 "Parameter Set"

Reference clause 6.10 "Parameter Set"

Reference clause 6.10 "Parameter Set"

Reference dause 6.10 "Parameter Set"

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-CRC size	Reference dause 6.10 "Parameter Set"
- Transport channel Identity	14 (for FACH)
- CTCH indicator	FALSE
- PICH info	
- CHOICE <i>mode</i>	TDD
- CHOICE TDD option	3.84 Maps TDD
- Timeslot number	0
- Midamble shift and burst type	
- CHOICE TDD option	3.84 Maps TDD
- CHOICE Burst Type	Type 1
- Midamble Shift	0
- Channelisation code	16/16
- Repetition period/length	64/2
- Offset	0
- Paging indicator length	4
-N <sub>GAP</sub>	4
-N <sub>PCH</sub>	2
- CBS DRX Level 1 information	Not Present

# Contents of System Information Block type 5 (1.28 Mcps TDD)

Ρ	TS aa.bbb v	V
	-RACHTFS	
	- CHOICE Tr	8
	- Dynamic Tr - RLC size	ć
	- Number of	1
	-Number o	f
	-CHOICE	Ν
	- Transmis	
	- CHOICE L - Semi-static	C
	- Serni-static - Transmissio	ו
	- Type of cha	
	- Coding Rat	
	-Rate match	
	-CRC size	_
	-RACHTFC	S
	-PRACH pan	U
	- Access Sen - ASC Setting	/I
	- CHOICE n	J
	-CHOICE	Γ
	- Available S	S
	-CHOICES	
	- Available S	S
	- ASC Settino - CHOICE n	3
	-CHOICET	n
	- Available 9	
	-CHOICE	
	- Available S	S
	<ul> <li>ASC Setting</li> </ul>	9
	- CHOICE n - CHOICE T	1
	-CHOICE -Available 9	
	- Available : - CHOICE s	
	- Available S	5
	- ASC Setting	7
	-CHOICE n	n
	-CHOICE	
	- Available 9	
	- CHOICE s - Available s	
	- ASC Setting	
	-CHOICE n	n
	-CHOICE	
	- Available 9	S
	-CHOICES	
	- Available 9	
	- ASC Setting	j
	- CHOICE n	Ī
	- Available S	S
	01.1016	

ansport channel type Common transport channels ansport format information Reference dause 6.10 "Parameter Set" TB and TTI List Reference dause 6.10 "Parameter Set" Transport blocks Reference dause 6.10 "Parameter Set" TDD **Vlode** Not Present sion Time Interval ogical channel List Configured Transport Format information on time interval Reference dause 6.10 "Parameter Set" nnel coding Reference dause 6.10 "Parameter Set" Reference dause 6.10 "Parameter Set" Reference dause 6.10 "Parameter Set" ng attribute Reference dause 6.10"Parameter Set" Not present itioning ice Class (ASC#0) s TDD node DD option 1.28 Mcos TDD SYNC UL codes indices "11111111" ubchannel size Size1 Subchannels Null (ASC#1) node TDD 1.28 Mcps TDD TDD option SYNC\_UL codes indices "11111111" ubchannel size Size1 Null Subchannels (ASC#2) 25 TDD node TDD option 1.28 Mcps TDD SYNC UL codes indices "11111111" ubchannel size Size1 Subchannels Null (ASC#3) node TDD TDD option 1.28 Mcps TDD SYNC UL codes indices "11111111" ubchannel size Size1 Subchannels Null (ASC#4) node TDD TDD option 1.28 Mcps TDD SYNC\_UL codes indices "11111111" ubchannel size Size1 Subchannels Null (ASC#5) node TDD DD option 1.28 Mcps TDD SYNC UL codes indices "11111111" - CHOICE subchannel size Size1 - Available Subchannels Null (ASC#6) - ASC Settings COT - CHOICE mode 1.28 Mcps TDD - CHOICE TDD option - Available SYNC UL codes indices "11111111" - CHOICE subchannel size Size1 - Available Subchannels Null - Access Service Class 0.9 (for ASC#2) - Persistence scaling factor - Persistence scaling factor 0.9 (for ASC#3) - Persistence scaling factor 0.9 (for ASC#4) - Persistence scaling factor 0.9 (for ASC#5) 0.9 (for ASC#6) - Persistence scaling factor -AC-to-ASC mapping - AC-to-ASC mapping table 6 (AC0-9) - AC-to-ASC mapping - AC-to-ASC mapping 5 (AC10) 4 (AC11) -AC-to-ASC mapping 3 (AC12) AC-to-ASC mapping

- CRC size

Reference dause 6.10 "Parameter Set"

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-CTCH indicator	FALSE
- PICH info	
-CHOICE <i>mode</i>	TDD
- CHOICE TDD option	1.28 Mcps TDD
- Timeslot number	0
- Midamble shift and burst type	
- Midamble Allocation Mode	Default midamble
- Midamble configuration	8
- Midamble Shift	Not Present
- Channelisation code list	
- Channelisation code	(16/1)
- Channelisation code	(16/2)
- Repetition period/length	64/2
- Offset	0
- Paging indicator length	4
-N <sub>GAP</sub>	4
-N <sub>PCH</sub>	2
-CBS DRX Level 1 information	Not Present

## Contents of System Information Block type 6 in connected mode (FDD)

- PICH power offset	-5 dB
- CHOICE Mode	FDD
- AICH power offset	-5 dB
- Primary CCPCH info	Not Present
- PRACH system information list	Not present
- Secondary CCPCH system info	Not Present
- CBS DRX Level 1 information	Not Present

## Contents of System Information Block type 6 in connected mode (similar to SIB type 5) (3.84 Mcps TDD)

- PICH Power offset	-5 dB
- CHOICE Mode	TDD
- PUSCH system information	Not Present
- PDSCH system information	Not Present
- TDD open loop power control	
- Primary CCPCH Tx Power	30 dbm
- CHOICE TDD option	3.84 Maps TDD /REL-4/
-Alpha	(1/8)
- PRACH Constant Value	-10
- DPCH Constant Value	-10
- PUSCH Constant Value	-10
- Primary CCPCH info	
- CHOICE <i>mode</i>	TDD
- CHOICE TDD option	3.84 Maps TDD /REL-4/
- CHOICE SyncCase	Sync Case 2
- Timeslot	0
- Cell parameters ID	Not Present
-SCTD indicator	FALSE
- PRACH system information list	
- PRACH system information	
- PRACH info	
-CHOICE mode	TDD
- CHOICE TDD option	3.84 Mcps TDD /REL-4/
- Timeslot number	14
- PRACH Channelisation Code List	
- CHOICE SF	SF8
- Channelisation Code List	
- Channelisation Code	8/1
- Channelisation Code	8/2
- Channelisation Code	8/3
- Channelisation Code	8/4
- PRACH Midamble	Direct
- Transport channel Identity	15
-RACHTFS	
- CHOICE Transport channel type	Common transport channels
- Dynamic Transport format information	

- Persistence scaling factor
- AC-to-ASC mapping
- CHOICE mode
- Secondary CCPCH system information
- Secondary CCPCH system information
- Secondary CCPCH info
- CHOICE mode
- Offset
- Common timeslot info
- 2nd interleaving mode
- Not Present (MD "Frame")

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-TFCI coding	Reference clause 6.10 "Parameter Set"
- Puncturing limit	Reference dause 6.10 "Parameter Set"
- Repetition period	Not Present (MD "1")
- Repetition length	Not present
- Individual timeslot info	
- CHOICE TDD option	3.84 Maps TDD /REL-4/
- Timeslot number	1
- TFCI existence	Reference dause 6.10 "Parameter Set"
- Midamble Shift and burst type	
- CHOICE Burst Type	Type 1
- Midamble Allocation Mode	Default midamble
<ul> <li>Midamble configuration burst type 1 and 3</li> </ul>	4
- Midamble Shift	Not Present
- Code List	
- Channelisation Code	Reference dause 6.10 "Parameter Set"
-TFCS	(This IE is repeated for TFC number for PCH and FACH.)
- Nomal	
-TFCI Field 1 information	
- CHOICE TFCS representation	Complete reconfiguration
- TFCS complete reconfiguration information	
- CHOICE CTFC Size	Number of bits used must be enough to cover all combinations of CTFC
	from dause 6.10.
- CTFC information	Reference dause 6.10 "Parameter Set"
- Power offset information	Not Present
- FACH/PCH information	
-TFS	(PCH)
- CHOICE Transport channel type	Common transport channels
- Dynamic Transport format information	Controlled Sportation Co
-RLC Size	Reference dause 6.10 "Parameter Set"
- Number of TB and TTI List	Reference clause 6.10 "Parameter Set"
- Number of Transport blocks	Reference clause 6.10 "Parameter Set"
-CHOICE Mode	TDD
- CHOICE Mode - Transmission Time Interval	Reference dause 6.10 "Parameter Set"
	ALL
- CHOICE Logical channel List	ALL
- Semi-static Transport Format information	Defendance elected C 40 IIDementer Cell
- Transmission time interval	Reference clause 6.10 "Parameter Set"
- Type of channel coding	Reference clause 6.10 "Parameter Set"
- Coding Rate	Reference dause 6.10 "Parameter Set"
- Rate matching attribute	Reference dause 6.10 "Parameter Set"
-CRC size	Reference clause 6.10 "Parameter Set"
- Transport channel Identity	12 (for PCH)
- CTCH indicator	FALSE
-TFS	(FACH)
- CHOICE Transport channel type	Common transport channels
- Dynamic Transport format information	
- RLC Size	Reference dause 6.10 "Parameter Set"
- Number of TB and TTI List	Reference dause 6.10 "Parameter Set"
- Number of Transport blocks	Reference dause 6.10 "Parameter Set"
-CHOICE Mode	TDD
- Transmission Time Interval	Reference dause 6.10 "Parameter Set"
- CHOICE Logical channel List	ALL
- Semi-static Transport Format information	
- Transmission time interval	Reference dause 6.10 "Parameter Set"
- Type of channel coding	Reference dause 6.10 "Parameter Set"
- Coding Rate	Reference dause 6.10 "Parameter Set"
- Rate matching attribute	Reference dause 6.10 "Parameter Set"
-CRC size	Reference dause 6.10 "Parameter Set"
- Transport channel Identity	13 (for FACH)
- TFS	(FACH)
- CHOICE Transport channel type	Common transport channels
- Dynamic Transport format information	(This IE is repeated for TFI number.)
- RLC Size	Reference dause 6.10 "Parameter Set"
- Number of TB and TT1 List	Reference dause 6.10 "Parameter Set"
	Reference dause 6.10 "Parameter Set"
- Number of Transport blocks	
- CHOICE Mode	TDD
- CHOICE Logical channel List	ALL
- Semi-static Transport Format information	D ( ) 0 (6) TO ( ) 0 (7)
- Transmission time interval	Reference dause 6.10 "Parameter Set"
- Type of channel coding	Reference dause 6.10 "Parameter Set"
- Coding Rate	Reference dause 6.10 "Parameter Set"
- Rate matching attribute	Reference clause 6.10 "Parameter Set"
-CRC size	Reference dause 6.10 "Parameter Set"

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14 (for FACH)	
FALSE	
FALSE	
TDD	
3.84 Maps TDD	
0	
Type 1	
0	
16/16	
64/2	
0	
4	
4	
2	
Not Present	
	FALSE FALSE TDD 3.84 Mcps TDD 0 Type 1 0 16/16 64/2 0 4 4

# Contents of System Information Block type6 In connected mode (similar to SIB type5) (1.28 Mcps TDD)

- SIB6 indicator	TRUE		
- Sibo il idicaloi - PICH Power offset	I-5dB		
- CHOICE Mode	TDD		
- PUSCH system information	Not Present		
- POSCH system information			
- PDSCH system information - TDD open loop power control	Not Present		
	20		
- Primary CCPCH Tx Power	30 dbm		
-CHOICE TDD option	1.28 Maps TDD /REL-4/		
- no data			
- Primary CCPCH info	TDD		
-CHOICE mode	TDD		
- CHOICE TDD option	1.28 Mcps TDD /REL-4/		
-TSTD indicator	FALSE		
- Cell parameters ID	Not Present		
- Block SCTD indicator	FALSE		
- PRACH system information list			
- PRACH system information			
-PRACH info			
-CHOICE mode	TDD		
- CHOICE TDD option	1.28 Maps TDD /REL-4/		
-SYNC_UL info			
-SYNC_UL codes bitmap	"1111111"		
-UL Target SIR	10 dB		
- Power Ramping Step	3dB		
-Max SYNC_UL Transmissions	8		
-Mmax	32		
- PRACH definition			
- Timeslot number			
- CHOICE TDD option	1.28 Mcps TDD /REL-4/		
- Timeslot number	1		
- PRACH Channelisation Code List			
- Channelisation Code List			
- Channelisation Code	(8/1)		
- Midamble Shift and burst type			
- CHOICE TDD option	1.28 Maps TDD /REL-4/		
- Midamble Allocation Mode	Default midamble		
- Midamble configuration	8		
- Midamble Shift	Not present		
-FPACH info			
-Timeslot number	6		
- Channelisation code	(16/16)		
-Midamble Shift and burst type			
- CHOICE TDD option	1.28 Maps TDD /REL-4/		
- Midamble Allocation Mode	Common Midamble		
- Midamble configuration	8		
- Midamble Shift	Not present		
-WT	4		
- PNBSCH allocation	Not Present /REL-4/		
- Transport channel Identity	15		
-RACHTFS			
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- CHOICE Transport channel type	Common transport channels	
- Dynamic Transport format information		
-RLC size	Reference dause 6.10 "Parameter Set"	
- Number of TB and TTI List	Reference dause 6.10 "Parameter Set"	
- Number of Transport blocks	Reference dause 6.10 "Parameter Set"	
-CHOICE Mode	TDD	
- Transmission Time Interval	Not Present	
- CHOICE Logical channel List	Configured	
- Semi-static Transport Format information	Col ligarca	
- Transmission time interval	Reference dause 6.10 "Parameter Set"	
-Type of channel coding	Reference dause 6.10 "Parameter Set"	
- Coding Rate	Reference dause 6.10 "Parameter Set"	
- Rate matching attribute	Reference clause 6.10 "Parameter Set"	
- CRC size	Reference dause 6.10 "Parameter Set"	
-RACHTFCS	Not present	
- PRACH partitioning		
- Access Service Class		
- ASC Settings	(ASC#0)	
-CHOICE mode	lìdo í	
- CHOICE TDD option	1.28 Mcps TDD	
-Available SYNC UL codes indices	"11111111"	
-CHOICE subchannel size	Size1	
-Available Subchannels	Nul	
-ASC Settings	(ASC#1)	
- CHOICE mode	TDD	
- CHOICE TDD option	1.28 Mcps TDD	
- Available SYNC_UL codes indices	"11111111"	
- CHOICE subchannel size	Size1	
- Available Subchannels	Null	
- ASC Settings	(ASC#2)	
- CHOICE mode	TDD	
- CHOICE TDD option	1.28 Mcps TDD	
-Available SYNC_UL codes indices	"11111111"	
- CHOICE subchannel size	Size1	
- Available Subchannels	Null	
- ASC Settings	(ASC#3)	
- CHOICE mode	TDD	
- CHOICE TDD option	1.28 Mcps TDD	
- Available SYNC UL codes indices	"11111111"	
- CHOICE subchannel size	Size1	
- Available Subchannels	Null	
- ASC Settings	(ASC#4)	
-CHOICE mode	TOP '	
	1 20 Maria TDD	
- CHOICE TDD option	1.28 Mcps TDD	
- Available SYNC_UL codes indices	"11111111"	
- CHOICE subchannel size	Size1	
- Available Subchannels	Null	
- ASC Settings	(ASC#5)	
-CHOICE mode	TDD '	
- CHOICE TDD option	1.28 Maps TDD	
-Available SYNC UL codes indices	"11111111"	
- CHOICE subchannel size	Size1	
-Available Subchannels	Nul	
- ASC Settings	(ASC#6)	
-CHOICE mode	TDD	
-CHOICETDD option	1.28 Maps TDD	
- Available SYNC_UL codes indices	"11111111"	
- CHOICE subchannel size	Size1	
- Available Subchannels	Null	
- Access Service Class		
- Persistence scaling factor	0.9 (for ASC#2)	
- Persistence scaling factor	0.9 (for ASC#3)	
- Persistence scaling factor	0.9 (for ASC#4)	
	, ,	
- Persistence scaling factor	0.9 (for ASC#5)	
- Persistence scaling factor	0.9 (for ASC#6)	
- AC-to-ASC mapping	Not Present	
-CHOICE mode	TDD (no data)	
- Secondary CCPCH system information		
- Secondary CCPCH system information		
- Secondary CCPCH info		
- CHOICE mode	TDD	
- Offset	0	
- Olioci	· ·	
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- Channelisation code list

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- Common timeslot info	
-2 <sup>nd</sup> interleaving mode	Frame
-TFCI coding	Reference dause 6.10 "Parameter Set"
- Puncturing limit	Reference dause 6.10 "Parameter Set"
- Repetition period	1
- Repetition length	0
- Individual timeslot info	
- CHOICE TDD option	1.28 Maps TDD
- Timeslot number	0
-TFCI existence	Reference dause 6.10 "Parameter Set"
- Midamble Shift and burst type	10014 TDD
- CHOICE TDD option	1.28 Mcps TDD Default midamble
- Midamble Allocation Mode Midamble configuration	Deraurt midambie 4
- Midamble configuration Midamble Shift	·
- Midamble Shift	Not Present 1.28 Maps TDD
- CHOICE <i>TDD option</i> - Modulation	Reference dause 6.10 "Parameter Set"
- SS-TPC Symbols	Reference clause 6.10 "Parameter Set"
- Code List	Relate ue uause u. Iu i alainicia sei
- Channelisation Code	Reference clause 6.10 "Parameter Set"
-TFCS	Reference dause 6.10 "Parameter Set"
- Normal	TOO IN GUIDO O. TO T GIGHTOLD COL
-TFCI Field 1 information	
- CHOICE TFCS representation	Complete reconfiguration
-TFCS complete reconfiguration information	Corription room ingulation.
- CHOICE CTFC Size	Number of bits used must be enough to cover all combinations of CTFC
0.10.02 011 0 022	from dause 6.10.
- CTFC information	Reference clause 6.10 "Parameter Set"
- Power offset information	Not Present
- FACH/PCH information	
- Transport channel Identity	12 (for PCH)
-TFS ,	(PCH)
- CHOICE Transport channel type	Common transport channels
- Dynamic Transport format information	· ·
-RLC Size	Reference dause 6.10 "Parameter Set"
- Number of TB and TTI List	Reference dause 6.10 "Parameter Set"
- Number of Transport blocks	Reference clause 6.10 "Parameter Set"
- CHOICE Mode	TDD
- Transmission Time Interval	Not Present
- CHOICE Logical channel List	ALL
- Semi-static Transport Format information	
- Transmission time interval	Reference clause 6.10 "Parameter Set"
- Type of channel coding	Reference clause 6.10 "Parameter Set"
- Coding Rate	Reference clause 6.10 "Parameter Set"
- Rate matching attribute	Reference clause 6.10 "Parameter Set"
-CRC size	Reference clause 6.10 "Parameter Set"
- Transport channel Identity	13 (for FACH)
-TFS	(FACH)
-CHOICE Transport channel type	Common transport channels
- Dynamic Transport format information	
-RLC Size	Reference clause 6.10 "Parameter Set"
- Number of TB and TTI List	Reference clause 6.10 "Parameter Set"
- Number of Transport blocks	Reference dause 6.10 "Parameter Set"
- CHOICE Mode	TDD Nat Decemb
- Transmission Time Interval	Not Present
- CHOICE Logical channel List	ALL
- Semi-static Transport Format information	D-f
- Transmission time interval	Reference clause 6.10 "Parameter Set"
- Type of channel coding	Reference clause 6.10 "Parameter Set"
- Coding Rate	Reference clause 6.10 "Parameter Set"
- Rate matching attribute	Reference clause 6.10 "Parameter Set"
-CRC size	Reference dause 6.10 "Parameter Set" FALSE
- CTCH indicator - PICH info	FALSE
- CHOICE <i>mode</i>	TDD
- CHOICE TDD option	128 Mcps TDD
- Timeslot number	0
- Timesiochumber - Midamble shift and burst type	U
- Midamble Shin and burst type - Midamble Allocation Mode	Default midamble
- Midamble configuration	8
- Midamble Shift	Not Present
- Channelisation code list	I VOLI I COCI IL

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- Channelisation code	(16/1)
- Channelisation code	(16/2)
- Repetition period/length	64/2
-Offset	0
- Paging indicator length	4
-N <sub>GAP</sub>	4
l -N	2
- CBS DRX Level 1 information	Not Present

## Contents of System Information Block type 7 (FDD)

CHOICE Mode	FDD
- UL interference	-100 dBm
- PRACHs listed in system information block type5	
- Dynamic persistence level	2
- PRACHs listed in system information block type6	
- Dynamic persistence level	2
- Expiration Time Factor	Not Present - use default value of 1

## Contents of System Information Block type 7 (TDD)

CHOICE Mode	TDD
PRACHs listed in system information block type5	
- Dynamic persistence level	2
PRACHs listed in system information block type6	
- Dynamic persistence level	2
Expiration Time Factor	Not Present - use default value of 1

#### Contents of System Information Block type 8, 9 (only for FDD)

This information is used for static CPCH in the cell, so this is not present.

## Contents of System Information Block type 10 (only for FDD)

This information is used for DRAC, so this is not present.

#### Contents of System Information Block type 11 (FDD)

This is the default message content of SIB 11 for cell 1.

See clause 6.1.4 for the difference in message contents of System Information Block type 11 (FDD) for cell 2 to 8.

- SIB12 indicator	A1, A2, A3	TRUE
- FACH measurement occasion info		Not Present
- Measurement control system information		
-Use of HCS		Notused
- Cell selection and reselection quality measure		CPICH RSCP
- Intra-frequency measurement system information	A1, A2, A3	
- Intra-frequency measurement identity		Not Present
		Absence of this IE is equivalent to default value 1
- Intra-frequency cell info list		·
- CHOICE intra-frequency cell removal		Not present
		(This IE shall be ignored by the UE for SIB11)
- New intra-frequency cells		
- Intra-frequency cell id		1
-Cell info		
- Cell individual offset		Not present
		Absence of this IE is equivalent to default value 0 dB
- Reference time difference to cell		Not Present
- Read SFN indicator		FALSE
- CHOICE mode		FDD
- Primary CPICH info		

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-TX Diversity Indicator		FALSE
- Cell Selection and Re-selection Info		Not present (same values as for serving cell applies)
- Interfrequency cell id		5
- Frequency info		Not Present
, ,		Absence of this IE is equivalent to value of the previous "frequer info" in the list.
- Cell info		Same content as specified for Inter-frequency cell id=4 with the exception that value for Primary scrambling code shall be accort to dause titled "Default settings for cell No.5 (FDD)" in dause 6.1
- Interfrequency cell id		6
- Frequency info		Not Present
. 104001.07 1.10		Absence of this IE is equivalent to value of the previous "frequer info" in the list.
- Cell info		Same content as specified for Inter-frequency cell id=4 with the exception that value for Primary scrambling code shall be accort o dause titled "Default settings for cell No.6 (FDD)" in dause 6.1
- Cell for measurement		Not present ( )
nter-RAT measurement system information	A1, A3	Not Present
Inter-RAT measurement system information	A2	
-Inter-RAT cell info list		
- CHOICE Inter-RAT cell removal		Not Present
		(This IE shall be ignored by the UE for SIB11)
- New inter-RAT cells		, , , , , , , , , , , , , , , , , , , ,
-Inter-RAT cell id		9
-CHOICE Radio Access Technology		GSM
-GSM		
- Cell individual offset		0
- Cell selection and re-selection info		Not Present
-BSIC		Total Tools it
- Base transceiver Station Identity Code (BSIC)		Reference to table 6.1.10 for Cell 9
- Band indicator		According to PICS/PIXIT
-BCCHARECN		Reference to table 6.1.10 for Cell 9
- Inter-RAT cell id		10
- Mei-RAT centu - CHOICE <i>Radio Access Technology</i>		IO IGSM
- GNO - GSM		GOIVI
- Cell individual offset		0
		V   Not Present
<ul> <li>Cell selection and re-selection info</li> </ul>		INOL MESELIL

Condition	Explanation	
A1	FDD cell environment	
A2	FDD/GSM inter-RAT cell environment	
A3	FDD intra-frequency cell environment (6 intra-frequency cells without inter-frequency cells)	

A1, A2, A3

Reference to table 6.1.10 for Cell 10

Reference to table 6.1.10 for Cell 10

According to PICS/PIXITs

Not present

Not Present

#### Contents of System Information Block type 11 (3.84 Mcps and 1.28 Mcps TDD)

This is the default message content of SIB 11 for cell 1.

- Base transceiver Station Identity Code (BSIC)

- Traffic volume measurement system information

-BSIC

- Band indicator

-BCCHARFCN

- Cell for measurement

See clause 6.1.4 for the difference in message contents of System Information Block type 11 (TDD) for cell 2 to 8.

- SIB 12 Indicator	A1, A2	TRUE
- FACH measurement occasion info		Not Present
- Measurement control system information		
-Use of HCS		Notused
- Cell selection and reselection quality measureCell		(no data)
- Intra-frequency measurement system information	A1, A2	
- Intra-frequency measurement identity		Not Present
		Absence of this IE is equivalent to default value 1
- Intra-frequency cell info list		
- CHOICE intra-frequency cell removal		Not present
		(This IE shall be ignored by the UE for SIB11)
- New intra-frequency cells		
- Intra-frequency cell id		1

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- Cell info		
- Cell individual offset		Not present
		Absence of this IE is equivalent to default value 0dB
- Reference time difference to cell		Not Present
- Read SFN Indicator		FALSE
-CHOICE mode		TDD
- Primary CCPCH info		
- Cell parameters ID		Reference dause 6.1.4 Default settings for cell
- Primary CCPCHTX power		Not Present
- Timeslot list		Not Present
- CHOICE TDD option		TOUT TOOSIN
-3.84 Maps TDD		
- Timeslot number		Not Present
- Burst type		Not Present
-1.28 Mcps TDD		
- Timeslot number		Not Present
- Cell Selection and Re-selection info		Not Present
		(The IE shall be absent as this is the serving cell)
- Cell for measurement	A1, A2	Not Present
- Intra-frequency measurement quantity	A1, A2	
- Filter coefficient	,,, -	Not present
· mor coomorne		Absence of this IE is equivalent to the default value 0
CHOICE mode		TDD
- CHOICE mode		טטו
- Measurement quantity list		D CODOLL DOOD
- Measurement quantity		P-CCPCHRSCP
- Intra-frequency reporting quantity for RACH Reporting		Not Present
-Maximum number of reported cells on RACH		Not Present
- Reporting information for state CELL_DCH		
- Intra-frequency reporting quantity		
- Reporting quantities for active set cells		
- Cell synchronization information reporting indicator		TRUE
- Cell identity reporting indicator		TRUE
- CHOICE mode		TDD
		FALSE
- Timeslot ISCP reporting indicator		
- Proposed TSGN reporting required		FALSE
- P-CCPCH RSCP reporting indicator		TRUE
- Pathloss reporting indicator		FALSE
- Reporting quantities for monitored set cells		
- Cell synchronization information reporting indicator		FALSE
- Cell identity reporting indicator		TRUE
-CHOICE mode		TDD
- Timeslot ISCP reporting indicator		FALSE
- Proposed TSGN reporting required		FALSE
- P-CCPCH RSCP reporting indicator		TRUE
- Pathloss reporting indicator		FALSE
- Reporting quantities for detected set cells		Not Present
-Measurement reporting mode		
- Measurement Report Transfer Mode		Acknowledged mode RLC
- Periodical Reporting / Event Trigger Reporting Mode		Event trigger
-CHOICE report criteria		
- Intra-frequency measurement reporting criteria		
- Parameters required for each event		
- Intra-frequency event identity		1g
- Triggering condition1		Not Present
- Triggering condition2		Not Present
55 5		
- Reporting Range		Not Present
-cells forbidden to affect reporting range		Not Present
-W(optional in case of 1a,1b)		Not Present
- Hysteresis		0.0
- Threshold used frequency		Not Present
- Reporting deactivation threshold		3
- Replacement activation threshold		Not Present
-Time to trigger		640
- Amount of reporting		4
- Reporting interval		4000
- Reporting cell status		
		Deport cell within active est and/or manitored salls and said from the con-
- CHOICE reported cells		Report cell within active set and/or monitored cells on used frequency
- Maximum number of reported cells	44 40	) ၁
- Inter-frequency measurement system information	A1, A2	
- Inter-frequency cell info list		
- CHOICE Inter-frequency cell removal		Not present
		(This IE shall be ignored by the UE for SIB11)
	CP nage	. 112

Condition	Explanation
A1	TDD cell environment
A2	TDD/GSM inter-RAT cell environment

A1, A2

Reference to table 6.1.10 for Cell 10

Reference to table 6.1.10 for Cell 10

According to PICS/PIXITs

Not present

Not Present

- Base transceiver Station Identity Code (BSIC)

Traffic volume measurement system information

-Band indicator

-BCCHARFCN

- Cell for measurement

Contents of System Information Block type 12 in connected mode (FDD)

This is the default message content of SIB 12 for cell 1.

See clause 6.1.4 for the difference in message contents of System Information Block type 12 (FDD) for cell 2 to 8.

- FACH measurement occasion info	Not Present
- Measurement control system information	
-Use of HCS	Notused
- Cell selection and reselection quality measure	CPICH RSCP
- Intra-frequency measurement system information	Not Present
- Inter-frequency measurement system information	Not Present
- Inter-RAT measurement system information	Not Present
- Traffic volume measurement system information	Not Present

Contents of System Information Block type 12 in connected mode (3.84 Mcps and 1.28 Mcps TDD)

This is the default message content of SIB 12 for cell 1.

See clause 6.1.4 for the difference in message contents of System Information Block type 12 (TDD) for cell 2 to 8.

- FACH measurement occasion info	Not Present
- Measurement control system information	
- Use of HCS	Notused
- Cell selection and reselection quality measure	(no data)
- Intra-frequency measurement system information	Not Present
- Inter-RAT measurement system information	Not Present
- Traffic volume measurement system information	Not Present

#### Contents of System Information Block type 13 (used when supported PLMN type is ANSI-41)

-CN Domain system information list	
- CN Domain system information	For Packet-Switched domain
- CN domain identity	PS
- CHOICE CN Type	ANSI-41
- CN domain specific NAS system information	
- NAS (ANSI-41) system information	T.B.D
- CN domain specific DRX cycle length coefficient	7
- CN Domain system information	For Circuit-Switched domain
- CN domain identity	CS
- CHOICE CN Type	ANSI-41
- CN domain specific NAS system information	
-NAS (ANSI-41) system information	T.B.D
- CN domain specific DRX cycle length coefficient	7
- UE timers and constants in idle mode	
-T300	400 milliseconds
-N300	3
-T312	10 seconds
-N312	200
- Capability update requirement	
- UE radio access FDD capability update requirement	TRUE
- UE radio access TDD capability update requirement	FALSE
- System specific capability update requirement list	Not Present

#### Contents of System Information Block type 14 (3.84 Mcps TDD)

- Individual Timeslot interference list		
- Individual Timeslot interference		
- Timeslot number	2	
- UL Timeslot Interference	-90 dbm	
- Individual Timeslot interference		
- Timeslot number	3	
- UL Timeslot Interference	-90 dbm	
- Individual Timeslot interference		

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- Timeslot number	4
- UL Timeslot Interference	-90 dbm
- Individual Timeslot interference	
- Timeslot number	5
- UL Timeslot Interference	-90 dbm
- Individual Timeslot interference	
- Timeslot number	6
- UL Timeslot Interference	-90 dbm
- Individual Timeslot interference	
- Timeslot number	7
- UL Timeslot Interference	-90 dbm
- Individual Timeslot interference	
- Timeslot number	9
- UL Timeslot Interference	-90 dbm
- Individual Timeslot interference	
- Timeslot number	10
- UL Timeslot Interference	-90 dbm
- Individual Timeslot interference	
- Timeslot number	11
- UL Timeslot Interference	-90 dbm
- Individual Timeslot interference	
- Timeslot number	12
- UL Timeslot Interference	-90 dbm
- Individual Timeslot interference	
- Timeslot number	13
- UL Timeslot Interference	-90 dbm
- Individual Timeslot interference	
- Timeslot number	14
- UL Timeslot Interference	-90 dbm
- Expiration Time Factor	Not Present (MD "1")

#### Contents of System Information Block type 16

- Predefined RB configuration	[FFS]
- Predefined TrCh configuration	[FFS]
- Predefined Phy configuration	[FFS]

Contents of System Information Block type17 (3.84 Mcsps TDD and 1.28 Mcps TDD)

This system information block contains fast changing parameters for the configuration of the shared physical channels to be used in connected mode, so this is not present.

#### Contents of System Information Block type 18

- Idle mode PLMN identities	
- PLMNs of intra-frequency cells list	Not present
- PLMNs of inter-frequency cells list	Not present
- PLMNs of inter-RAT cells list	Not present
- Connected mode PLMN identities	Not present

# 6.1.1 SCCPCH configuration with Stand-alone SRB for PCCH in the first SCCPCH and Interactive/Background 32 kbps PS RAB + SRBs for CCCH/DCCH/BCCH in the second SCCPCH

Two SCCPCHs are used in this SYSTEM INFORMATION configuration. The first SCCPCH carries the PCH and the second SCCPCH carries the FACH for Interactive/Background 32 kbps PS RAB and the FACH for SRBs on CCCH/DCCH/BCCH.

This Reference System Configuration is the same as defined in clause 6.1, except for the following SIBs.

Contents of System Information Block type 5 (FDD)

TRUE
-5dB
FDD
-5dB
Not Present
FDD
0000 0000 1111 1111B
64
0
1.00
'1111 1111 1111B
15
Common transport channels
168
1
FDD
Configured
360
1
1
FDD
Configured
20 ms
Convolutional
1/2
150
16
Nomal
Nomia
Complete recording unition
Complete reconfiguration
2 bit
0
Computed Gain Factor
0
FDD
0 dB
1
l'
Signalled Gain Factor
FDD
11
15
0
FDD
0 dB
Not Present
FDD
0 (ASC#1)
7 (ASC#1)
'1111'B
'1111'B
'1111'B The first/ leftmost bit of the bit string contains the most significant bit of
'1111'B  The first/ leftmost bit of the bit string contains the most significant bit of the Assigned Sub-Channel Number.
'1111'B  The first/ leftmost bit of the bit string contains the most significant bit of the Assigned Sub-Channel Number.
'1111'B  The first/leftmost bit of the bit string contains the most significant bit of the Assigned Sub-Channel Number.  Not Present  FDD
'1111'B  The first/leftmost bit of the bit string contains the most significant bit of the Assigned Sub-Channel Number.  Not Present

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- Assigned Sub-Channel Number	'1111'B The first/ leftmost bit of the bit string contains the most significant bit of the Assigned Sub-Channel Number.
- ASC Setting	Not Present
- ASC Setting	TOUT TOUSTIE
-CHOICE mode	FDD
- Available signature Start Index	0 (ASC#5)
- Available signature End Index	7 (ASC#5)
- Assigned Sub-Channel Number	ท <sub>ี</sub> วาท
	The first/leftmost bit of the bit string contains the most significant bit of the Assigned Sub-Channel Number.
- ASC Setting	Not Present
- ASC Setting	
-CHOICE mode	FDD
- Available signature Start Index	0 (ASC#7)
- Available signature End Index	7 (ASC#7)
- Assigned Sub-Channel Number	'1111'B
	The first/leftmost bit of the bit string contains the most significant bit of the Assigned Sub-Channel Number.
- Persistence scaling factor	
- Persistence scaling factor	0.9 (for ASC#2)
- Persistence scaling factor	0.9 (for ASC#3)
- Persistence scaling factor	0.9 (for ASC#4)
- Persistence scaling factor	0.9 (for ASC#5)
- Persistence scaling factor	0.9 (for ASC#6)
- Persistence scaling factor	0.9 (for ASC#7)
- AC-to-ASC mapping table	, , ,
-AC-to-ASC mapping	6 (ACO-9)
- AC-to-ASC mapping	5 (AC10)
-AC-to-ASC mapping	4 (AC11)
- AC-to-ASC mapping	3 (AC12)
- AC-to-ASC mapping	2 (AC13)
-AC-to-ASC mapping	1 (AC14)
-AC-to-ASC mapping	0 (AC15)
-CHOICE mode	FDD
- Primary CPICH TX power	31
- Constant value	-10
-PRACH power offset	-10
- Power Ramp Step	3dB
- Preamble Retrans Max	4
- RACH transmission parameters	<b>4</b>
- Max	2
- NB01min	3 slot
- NB01max - AICH info	10 slot
- Channelisation code	3
-STTD indicator	FALSE
- AICH transmission timing	0
- Secondary CCPCH system information	(For 2 SCCPCHs)
- Secondary CCPCH info	(SCCPCH for standalone PCH)
-CHOICE mode	FDD
- Secondary scrambling code	Not Present
-STTD indicator	FALSE
- Spreading factor	128
- Code number	4
- Pilot symbol existence	FALSE
-TFCI existence	FALSE
- Fixed or Flexible position	Fixed
- Timing offset	30
-TFCS	
- CHOICE TFCI signalling	Nomal
- TFCI Field 1 information	
- CHOICE TFCS representation	Complete reconfiguration
- TFCS complete reconfiguration information	
- CHOICE CTFC Size	2 bit
- CTFC information	0
- Power offset information	Not Present
- CTFC information	1
- Power offset information	Not Present
- FACH/PCH information	
-TFS	(PCH)
- CHOICE Transport channel type	Common transport channels
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Common transport channels

- CHOICE Transport channel type

Number of TB and TTI ListNumber of Transport blocks

-RLC Size

- Dynamic Transport format information

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	- Number of Transport blocks	1
	- CHOICE Mode	FDD
	- CHOICE Logical channel List	ALL
	- Semi-static Transport Format information	
	- Transmission time interval	10 ms
	- Type of channel coding	Turbo
	- Rate matching attribute	130
	-CRC size	16bit
	- Transport channel Identity	14 (for FACH)
	-CTCH indicator	FALSE

Not Present

### Contents of System Information Block type 5 (3.84 Mcps TDD)

- CBS DRX Level 1 information

ODD II.	Teu oe
- SIB6 indicator	FALSE
- CHOICE Mode	TDD
- TDD open loop power control	
- PUSCH system information	Not Present
- PDSCH system information	Not Present
- TDD open loop power control	
- Primary CCPCH Tx Power	30 dbm
- CHOICE TDD option	3.84 Maps TDD /REL-4/
-Alpha	(1/8)
- PRACH Constant Value	l-10
- DPCH Constant Value	I-10
- PUSCH Constant Value	I-10 I-10
	Not Present /REL-4/
- UE positioning related parameters	NOTPLESE IT /REL-4/
- Primary CCPCH info	TDC
- CHOICE mode	TDD
- CHOICE TDD option	3.84 Maps TDD /REL-4/
-CHOICE SyncCase	Sync Case 2
-Timeslot	0
- Cell parameters ID	Not Present
-SCTD indicator	FALSE
- PRACH system information list	
- PRACH system information	
- PRACH info	
- CHOICE mode	TDD
- CHOICE TDD option	3.84 Maps TDD /REL-4/
- Timeslot number	14
- PRACH Channelisation Code List	
-CHOICE SF	SF8
- Channelisation Code List	
- Channelisation Code	8/1
- Channelisation Code	8/2
- Channelisation Code	8/3
- Channelisation Code	8/4
- PRACH Midamble	Direct
- PNBSCH allocation	Not Present /REL-4/
- Transport channel Identity	15
-RACHTES	
- CHOICE Transport channel type	Common transport channels
- Dynamic Transport format information	
-Byhariic hai sportio matirii o maion -RLC size	168
- Number of TB and TTI List	
	1
- Number of Transport blocks - CHOICE Mode	TDD
	Configured
- CHOICE Logical channel List - RLC size	Isonigured
	Jω
- Number of Transport blocks	
- Number of Transport blocks	1
- CHOICE Mode	TDD Configured
- CHOICE Logical channel List	Configured
- Semi-static Transport Format information	00
- Transmission time interval	20 ms
- Type of channel coding	Convolutional
- Coding Rate	1/2
- Rate matching attribute	150
-CRC size	16
-RACHTFCS	

1 (AC14)

0 (AC15)

TDD

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AC-to-ASC mapping

- AC-to-ASC mapping - CHOICE mode

- Constant value

- Primary CPICH TX power

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- Power Ramp Step	3dB
- Preamble Retrans Max	4
- RACH transmission parameters	l'
- Mmax	2
- NB01min	3 slot
-NB01max	10 slot
- AICH info	1.00.00
- Channelisation code	3
-STTD indicator	FALSE
- AICH transmission timing	0
- Secondary CCPCH system information	(For 2 SCCPCHs)
- Secondary CCPCH info	(SCCPCH for standalone PCH)
- CHOICE mode	TDD
- Secondary scrambling code	Not Present
-STTD indicator	FALSE
- Spreading factor	128
- Code number	4
- Pilot symbol existence	FALSE
- Filot symbol existence	FALSE
	Fixed
- Fixed or Flexible position	
- Timing offset	30
- TFCS	Normal
- CHOICE TFCI signalling	Normal
-TFCI Field 1 information	O-markets are conference for
- CHOICE TFCS representation	Complete reconfiguration
-TFCS complete reconfiguration information	01.7
-CHOICE CTFC Size	2 bit
-CTFC information	0
- Power offset information	Not Present
-CTFC information	1
- Power offset information	Not Present
- FACH/PCH information	
-TFS	(PCH)
- CHOICE Transport channel type	Common transport channels
- Dynamic Transport format information	
-RLC Size	240
- Number of TB and TTI List	
- Number of Transport blocks	0
- Number of Transport blocks	1
-CHOICE Mode	TDD
- CHOICE Logical channel List	ALL
- Semi-static Transport Format information	· <del></del>
- Transmission time interval	10 ms
- Type of channel coding	Convolutional
- Type of a farmer coding - Coding Rate	1/2
- Rate matching attribute	230
	230   16 bit
- CRC size	
Transport channel Identity	
- Transport channel Identity	12 (for PCH)
- CTCH indicator	
- CTCH indicator - PICH info	12 (for PCH) FALSE
- CTCH indicator - PICH info - CHOICE mode	12 (for PCH) FALSE TDD
- CTCH indicator - PICH info - CHOICE mode - Channelisation code	12 (for PCH) FALSE TDD 2
- CTCH indicator - PICH info - CHOICE mode - Channelisation code - Number of PI per frame	12 (for PCH) FALSE TDD 2 18
- CTCH indicator - PICH info - CHOICE mode - Channelisation code - Number of PI per frame - STTD indicator	12 (for PCH) FALSE  TDD 2 18 FALSE
- CTCH indicator - PICH info - CHOICE mode - Channelisation code - Number of PI per frame - STTD indicator - Secondary CCPCH info	12 (for PCH) FALSE  TDD 2 18 FALSE (SCCPCH including two FACHs)
- CTCH indicator - PICH info - CHOICE mode - Channelisation code - Number of PI per frame - STTD indicator - Secondary CCPCH info - CHOICE mode	12 (for PCH) FALSE  TDD 2 18 FALSE (SCCPCH including two FACHs) TDD
- CTCH indicator - PICH info - CHOICE mode - Channelisation code - Number of PI per frame - STTD indicator - Secondary CCPCH info - CHOICE mode - Secondary scrambling code	12 (for PCH) FALSE  TDD 2 18 FALSE (SCCPCH including two FACHs) TDD Not Present
- CTCH indicator - PICH info - CHOICE mode - Channelisation code - Number of PI per frame - STTD indicator - Secondary CCPCH info - CHOICE mode - Secondary scrambling code - STTD indicator	12 (for PCH) FALSE  TDD 2 18 FALSE (SCCPCH including two FACHs) TDD Not Present FALSE
- CTCH indicator - PICH info - CHOICE mode - Channelisation code - Number of PI per frame - STTD indicator - Secondary CCPCH info - CHOICE mode - Secondary scrambling code - STTD indicator - Spreading factor	12 (for PCH) FALSE  TDD 2 18 FALSE (SCCPCH including two FACHs) TDD Not Present FALSE 64
- CTCH indicator - PICH info - CHOICE mode - Channelisation code - Number of PI per frame - STTD indicator - Secondary CCPCH info - CHOICE mode - Secondary scrambling code - STTD indicator - Spreading factor - Code number	12 (for PCH) FALSE  TDD 2 18 FALSE (SCCPCH including two FACHs) TDD Not Present FALSE 64 1
- CTCH indicator - PICH info - CHOICE mode - Channelisation code - Number of PI per frame - STTD indicator - Secondary CCPCH info - CHOICE mode - Secondary scrambling code - STTD indicator - Spreading factor	12 (for PCH) FALSE  TDD 2 18 FALSE (SCCPCH including two FACHs) TDD Not Present FALSE 64
- CTCH indicator - PICH info - CHOICE mode - Channelisation code - Number of PI per frame - STTD indicator - Secondary CCPCH info - CHOICE mode - Secondary scrambling code - STTD indicator - Spreading factor - Code number	12 (for PCH) FALSE  TDD 2 18 FALSE (SCCPCH including two FACHs) TDD Not Present FALSE 64 1
- CTCH indicator - PICH info - CHOICE mode - Channelisation code - Number of PI per frame - STTD indicator - Secondary CCPCH info - CHOICE mode - Secondary scrambling code - STTD indicator - Spreading factor - Code number - Pilot symbol existence	12 (for PCH) FALSE  TDD 2 18 FALSE (SCCPCH including two FACHs) TDD Not Present FALSE 64 1
- CTCH indicator - PICH info - CHOICE mode - Channelisation code - Number of PI per frame - STTD indicator - Secondary CCPCH info - CHOICE mode - Secondary scrambling code - STTD indicator - Spreading factor - Code number - Pilot symbol existence	12 (for PCH) FALSE  TDD 2 18 FALSE (SCCPCH including two FACHs) TDD Not Present FALSE 64 1 FALSE
- CTCH indicator - PICH info - CHOICE mode - Channelisation code - Number of PI per frame - STTD indicator - Secondary CCPCH info - CHOICE mode - Secondary scrambling code - STTD indicator - Spreading factor - Code number - Pilot symbol existence - TFCI existence	12 (for PCH) FALSE  TDD 2 18 FALSE (SCCPCH including two FACHs) TDD Not Present FALSE 64 1 FALSE TRUE (default value)
- CTCH indicator - PICH info - CHOICE mode - Channelisation code - Number of PI per frame - STTD indicator - Secondary CCPCH info - CHOICE mode - Secondary scrambling code - STTD indicator - Spreading factor - Spreading factor - Code number - Pilot symbol existence - TFCI existence	12 (for PCH) FALSE  TDD 2 18 FALSE (SCCPCH including two FACHs) TDD Not Present FALSE 64 1 FALSE
- CTCH indicator - PICH info - CHOICE mode - Channelisation code - Number of PI per frame - STTD indicator - Secondary CCPCH info - CHOICE mode - Secondary scrambling code - STTD indicator - Spreading factor - Code number - Pilot symbol existence - TFCI existence	12 (for PCH) FALSE  TDD 2 18 FALSE (SCCPCH including two FACHs) TDD Not Present FALSE 64 1 FALSE TRUE (default value) Not Present
- CTCH indicator - PICH info - CHOICE mode - Channelisation code - Number of PI per frame - STTD indicator - Secondary CCPCH info - CHOICE mode - Secondary scrambling code - STTD indicator - Spreading factor - Spreading factor - Code number - Pilot symbol existence - TFCI existence - Fixed or Flexible position - Timing offset	12 (for PCH) FALSE  TDD 2 18 FALSE (SCCPCH including two FACHs) TDD Not Present FALSE 64 1 FALSE TRUE (default value) Flexible (default value)
- CTCH indicator - PICH info - CHOICE mode - Channelisation code - Number of PI per frame - STTD indicator - Secondary CCPCH info - CHOICE mode - Secondary scrambling code - STTD indicator - Spreading factor - Spreading factor - Code number - Pilot symbol existence - TFCI existence - Fixed or Flexible position - Timing offset	12 (for PCH) FALSE  TDD 2 18 FALSE (SCCPCH including two FACHs) TDD Not Present FALSE 64 1 FALSE TRUE (default value) Not Present Absence of this IE is equivalent to default value 0
- CTCH indicator - PICH info - CHOICE mode - Channelisation code - Number of PI per frame - STTD indicator - Secondary CCPCH info - CHOICE mode - Secondary scrambling code - STTD indicator - Spreading factor - Spreading factor - Code number - Pilot symbol existence - TFCI existence - Fixed or Flexible position - Timing offset	12 (for PCH) FALSE  TDD 2 18 FALSE (SCCPCH including two FACHs) TDD Not Present FALSE 64 1 FALSE TRUE (default value) Not Present

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-TFCS complete reconfiguration information	
- CHOICE CTFC Size	4 bit
-CTFC information	0
- Power offset information	Not Present
-CTFC information	1
- Power offset information	Not Present
-CTFC information	2
-Power offset information	Not Present
-CTFC information	3
-Power offset information	Not Present
-CTFC information	4
- Power offset information	Not Present
FACH/PCH information	
TFS	(FACH)
CHOICE Transport channel type	Common transport channels
- Dynamic Transport format information	SS. III IO I I GAI IO PORCO I GAI II I I I I I
- RLC Size	168
- Number of TB and TTI List	100
-Number of Transport blocks	0
- Number of Transport blocks - Number of Transport blocks	1
- Number of Transport blocks	2
	TDD
- CHOICE Mode	ALL
- CHOICE Logical channel List	ALL
- Semi-static Transport Format information	10
- Transmission time interval	10 ms
-Type of channel coding	Convolutional
- Coding Rate	1/2
- Rate matching attribute	220
-CRC size	16 bit
Transport channel Identity	13 (for FACH)
CTCH indicator	FALSE
TFS	(FACH)
CHOICE Transport channel type	Common transport channels
- Dynamic Transport format information	
-RLC Size	360
- Number of TB and TTI List	
- Number of Transport blocks	0
- Number of Transport blocks	1
-CHOICE Mode	TDD
- CHOICE Logical channel List	ALL
- Semi-static Transport Format information	
- Transmission time interval	10 ms
- Type of channel coding	Turbo
- Rate matching attribute	130
- CRC size	16bit
- On Cosize - Transport channel Identity	14 (for FACH)
· CTCH indicator	FALSE
CBS DRX Level 1 information	Not Present

Contents of System Information Block type 5 (1.28 Mcps TDD)

<FFS>

Contents of System Information Block type 6 in connected mode (FDD)

- PICH Power offset	l-5dB
- CHOICE Mode	FDD
- AICH Power offset	-5dB
- AICHTI OWEI OBEL	• ·
- Primary CCPCH info	Not Present
- PRACH system information list	Not Present
1	Not Plesent
- Secondary CCPCH system information	Not Present
- CBS DRX Level 1 information	Not Present

Contents of System Information Block type 6 in connected mode (3.84 Mcps TDD)

None

<FFS>

6.1.2 SCCPCH configuration with Stand-alone SRB for PCCH in the first SCCPCH, RB for CTCH + SRBs for CCCH/BCCH in the second SCCPCH and Interactive/Background 32 kbps PS RAB + SRBs for CCCH/DCCH/BCCH in the third SCCPCH (FDD only)

Three SCCPCHs are used in this SYSTEM INFORMATION configuration. The first SCCPCH carries the PCH. The second SCCPCH carries the FACH for CTCH (Cell Broadcast Service) and the FACH for SRBs on CCCH/BCCH for idle mode UEs. The third SCCPCH carries the FACH for Interactive/Background 32 kbps PS RAB and the FACH for SRBs on CCCH/DCCH/BCCH for connected mode UEs.

This Reference System Configuration is the same as defined in clause 6.1, except for the following SIBs.

#### Contents of System Information Block type 5 (FDD)

- SIB6 indicator	TRUE
- PICH Power offset	1-5dB
- CHOICE Mode	FDD
- AICH Power offset	I-5dB
- Primary CCPCH info	Not Present
	INULFICSO IL
- PRACH system information list	
- PRACH system information	
- PRACH info	EDD.
-CHOICE mode	FDD
- Available Signature	0000 0000 1111 1111B
-Available SF	64
- Preamble scrambling code number	0
- Puncturing Limit	1.00
- Available Sub Channel number	¹1111 1111 1111¹B
- Transport channel Identity	15
-RACHTFS	
- CHOICE Transport channel type	Common transport channels
- Dynamic Transport format information	
-RLC size	168
- Number of TB and TTI List	
- Number of Transport blocks	1
- CHOICE Mode	FDD
- CHOICE Logical channel List	Configured
-RLC size	360
- Number of TB and TTI List	
- Number of Transport blocks	1
- CHOICE Mode	FDD
- CHOICE Logical channel List	Configured
- Semi-static Transport Format information	
- Transmission time interval	20 ms
- Type of channel coding	Convolutional
- Coding Rate	1/2
- Rate matching attribute	150
-CRC size	16
-RACHTFCS	
- CHOICE TFCI signalling	Normal
-TFCI Field 1 information	
- CHOICE TFCS representation	Complete reconfiguration
- TFCS complete reconfiguration information	
-CHOICE CTFC Size	2 bit
- CTFC information	0
- Power offset information	
- CHOICE Gain Factors	Computed Gain Factor
- Reference TFC ID	0
- CHOICE mode	FDD
3010E 11000	ı. ——

-STTD indicator

S aa.bbb vX.Y.Z (YYYY-MM)	CR pa
- AICH transmission timing	0 (F2 CCCPC) (a)
- Secondary CCPCH system information	(For 2 SCCPCHs)
- Secondary CCPCH info	(SCCPCH for standalone PCH)
- CHOICE mode	FDD
- Secondary scrambling code	Not Present
-STTD indicator	FALSE
- Spreading factor	128
- Code number	4
- Pilot symbol existence	FALSE
-TFCI existence	FALSE
- Fixed or Flexible position	Fixed
- Timing offset	30
-TFCS	
- CHOICE TFCI signalling	Nomal
-TFCI Field 1 information	
- CHOICE TFCS representation	Complete reconfiguration
	Corriptic recorningulation
-TFCS complete reconfiguration information	01-3
- CHOICE CTFC Size	2 bit
-CTFC information	0
- Power offset information	Not Present
-CTFC information	1
- Power offset information	Not Present
- FACH/PCH information	
-TFS	(PCH)
	Common transport channels
- CHOICE Transport channel type	
- Dynamic Transport format information	
-RLC Size	240
-Number of TB and TTI List	
- Number of Transport blocks	0
- Number of Transport blocks	1
- CHOICE Mode	FDD
	ALL
- CHOICE Logical channel List	ALL
- Semi-static Transport Format information	
- Transmission time interval	10 ms
- Type of channel coding	Convolutional
- Coding Rate	1/2
- Rate matching attribute	230
-CRC size	16 bit
- Transport channel Identity	12 (for PCH)
- Transport drainle identity - CTCH indicator	12 (101 POH)   FALSE
	I ALOE
-PICH info	FDD
-CHOICE mode	FDD
- Channelisation code	2
-Number of PI per frame	18
-STTD indicator	FALSE
- Secondary CCPCH info	(SCCPCH including two FACHs)
- CHOICE mode	FDD
	Not Present
- Secondary scrambling code	
-STTD indicator	FALSE
- Spreading factor	128
- Code number	5
- Pilot symbol existence	FALSE
-TFCI existence	
	TRUE (default value)
- Fixed or Flexible position	to Landon tollar)
- i izau ui Fieziule pusitiui i	Clavible (default) alue)
Total field	Flexible (default value)
- Timing offset	Not Present
	Absence of this IE is equivalent to default value 0
-TFCS	
- CHOICE TFCI signalling	Normal
-TFCI Field 1 information	
- CHOICE TFCS representation	Complete reconfiguration
- TFCS complete reconfiguration information	01.7
- CHOICE CTFC Size	2 bit
-CTFC information	0
- Power offset information	Not Present
-CTFC information	1
- Power offset information	Not Present
- CTFC information	2
	Not Dragget
- Power offset information	Not Present
- FACH/PCH information	
-TFS	(FACH)

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	- CHOICE Transport channel type	Common transport channels
	- Dynamic Transport format information	
	-RLC Size	168
	-Number of TB and TTI List	
	- Number of Transport blocks	0
	- Number of Transport blocks	1
	- CHOICE Mode	FDD
	- CHOICE Logical channel List	ALL
	- Semi-static Transport Format information	
	- Transmission time interval	10 ms
	- Type of channel coding	Convolutional
	- Coding Rate	1/3
	- Rate matching attribute	220
	-CRC size	16 bit
	- Transport channel Identity	13 (for FACH)
	-CTCH indicator	FALSE
	-TFS	(FACH)
	- CHOICE Transport channel type	Common transport channels
	- Dynamic Transport format information	'
	-RLC Size	168
	- Number of TB and TTI List	
	- Number of Transport blocks	0
	- Number of Transport blocks	1
	- CHOICE Mode	FDD
	- CHOICE Logical channel List	ALL
	- Semi-static Transport Format information	
	- Transmission time interval	10 ms
	- Type of channel coding	Convolutional
	- Coding Rate	1/3
	- Rate matching attribute	220
	-CRC size	16bit
	- Transport channel Identity	14 (for FACH)
	-CTCH indicator	TRÙE
	- CBS DRX Level 1 information	
	- Period of CTCH allocation (N)	2
	- CBS frame offset (K)	0

# Contents of System Information Block type 6 in connected mode (FDD)

- PICH Power offset	-5dB
-CHOICE Mode	FDD
- AICH Power offset	-5 dB
- Primary CCPCH info	Not present
- PRACH system information list	Not Present
- Secondary CCPCH system information	
- Secondary CCPCH info	(SCCPCH including two FACHs)
-CHOICE mode	FDD
- Secondary scrambling code	Not Present
-STTD indicator	FALSE
- Spreading factor	64
-Code number	1
- Pilot symbol existence	FALSE
-TFCI existence	TRUE (default value)
- Fixed or Flexible position	Flexible (default value)
- Timing offset	90
-TFCS	
- CHOICE TFCI signalling	Nomal
-TFCI Field 1 information	
- CHOICE TFCS representation	Complete reconfiguration
- TFCS complete reconfiguration information	
-CHOICE CTFC Size	4 bit
- CTFC information	0
- Power offset information	Not Present
- CTFC information	1
- Power offset information	Not Present
-CTFC information	2
- Power offset information	Not Present
-CTFC information	3
- Power offset information	Not Present
- CTFC information	4

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- Power offset information	Not Present
- FACH/PCH information	
-TFS	(FACH)
- CHOICE Transport channel type	Common transport channels
- Dynamic Transport format information	·
-RLC Size	168
- Number of TB and TTI List	
- Number of Transport blocks	0
- Number of Transport blocks	1
- Number of Transport blocks	2
-CHOICE Mode	FDD
- CHOICE Logical channel List	ALL
- Semi-static Transport Format information	
- Transmission time interval	10 ms
- Type of channel coding	Convolutional
- Coding Rate	1/2
- Rate matching attribute	220
-CRC size	16 bit
- Transport channel Identity	16 (for FACH)
- CTCH indicator	FALSE
-TFS	(FACH)
- CHOICE Transport channel type	Common transport channels
- Dynamic Transport format information	·
-RLC Size	360
- Number of TB and TTI List	
- Number of Transport blocks	0
- Number of Transport blocks	1
-CHOICE Mode	FDD
- CHOICE Logical channel List	ALL
- Semi-static Transport Format information	
- Transmission time interval	10 ms
-Type of channel coding	Turbo
- Rate matching attribute	130
-CRC size	16bit
- Transport channel Identity	17 (for FACH)
- CTCH indicator	FALSE
- CBS DRX Level 1 information	Not Present

# 6.1.3 SCCPCH configuration with Stand-alone SRB for PCCH in the first SCCPCH and Interactive/Background 32 kbps PS RAB + SRBs for CCCH/DCCH/BCCH in the second and third SCCPCHs

Three SCCPCHs are used in this SYSTEM INFORMATION configuration. The first SCCPCH carries the PCH and both the second and third SCCPCHs carry the FACH for Interactive/Background 32 kbps PS RAB and the FACH for SRBs on CCCH/DCCH/BCCH.

This Reference System Configuration is the same as defined in clause 6.1, except for the following SIBs. (SIB6 is not used in this configuration.)

#### Contents of Scheduling Block 1 (FDD)

- References to other system information blocks	
- Scheduling information	
-CHOICE Value tag	Not Present
-SEG_COUNT	1
-SIB_REP	16
-SIB_POS	4
-SIB_POS offset info	Not Present
- SIB type SIBs only	System Information Type 7
- Scheduling information	
-CHOICE Value tag	Cell Value tag
- Cell Value tag	4 A valid Cell value tag value as defined in TS 25.331
-SEG_COUNT	3
-SIB_REP	64
-SIB_POS	58

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	- SIB POS offset info	. ]
	-SIB OFF	2
	-SIB OFF	2
	- SIB type SIBs only	System Information Type 11
	- Scheduling information	,
	- CHOICE Value tag	Cell Value tag
	- Cell Value tag	4 A valid Cell value tag value as defined in TS 25.331
•	-SEG_COUNT	3
	-SIB_REP	64
	-SIB_POS	26
	-SIB_POS offset info	
	-SIB_OFF	2
	-SIB_OFF	2
	- SIB type SIBs only	System Information Type 12
	- Scheduling information	
	- CHOICE Value tag	PLMN Value tag
	- PLMN Value tag	4 A valid PLMN value tag value as defined in TS 25.331
	-SEG_COUNT	1
	-SIB_REP	64
	-SIB_POS	36
	-SIB_POS offset info	Not Present
	- SIB type SIBs only	System Information Type 18

# 3GPP TSG-RAN WG5 Meeting #27

Tdoc #R5-050613

United Kindom, Bath 25 - 29 Apr 2005

	CHANGE REQUES	CRFarmv7
æ	34.108 CR 409 x rev -	器 Current version: 5.4.0 第
For <u>HE</u>	<b>ELP</b> on using this form, see bottom of this page or look at th	e pop-up text over the # symbols.
Proposed change affe	e <i>cts:</i>   UICC apps # ME <mark>X</mark> F	Radio Access Network X Core Network
Title:	CR to 34.108 Rel-5: Corrections to the contents of System Mcps TDD) in section 6.1.0b	n Information Block type 11 (3.84 Mcps and 1.28
Source:	€ 3GPP TSG RAN WG5 (Testing)	
Work item code:	€ LCRTDD	Date: <mark>器 25/04/2005</mark>
Category: ३	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)  Detailed explanations of the above categories can be found in 3GPP TR 21.900.	Release: Rel-5 Use one of the following releases: 2 (GSM Phase 2) R96 (Release 1996) R97 (Release 1997) R98 (Release 1998) R99 (Release 1999) Rel-4 (Release 4) Rel-5 (Release 5) Rel-6 (Release 6)
Reason for change:	<ol> <li>In System Information Block type 11 for TDD in are missing in 'Intra-frequency cell info list' IE.</li> <li>The name of IE 'Reporting Range' in 'Paramet</li> <li>Table 6.1.2 in 34.108 is for FDD. The IE'UARF table for TDD.</li> <li>'Cell individual offset' IE and 'Reference time dif</li> <li>'Primary scrambling code' is not used for TDD.</li> </ol>	CN (Nt)' in 'Frequency info' should refer to the
Summary of change:	<ol> <li>Add the contents of cell2, cell3, cell7 and cell8 in</li> <li>Change the IE 'Reporting Range' to 'Reporting</li> <li>Change the table 6.1.2 to table 6.1.7 which is for</li> <li>Delete the redundant IEs.</li> <li>'Primary scrambling code' is not used for TDD.</li> </ol>	Range Constant'.
Consequences if not approved:	1. Some neigbouring cells cannot be configured cor  2. The contents of SIB 11 in TS 34.108 is inconsister	•
Clauses affected:	⊯ 6.1.0b	
Other specs affected:	Y N  X Other core specifications 策 X O&M Specifications	

 $\mathfrak{H}$ 

#### How to create CRs using this form:

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

- 1) Fill out the above form. The symbols above marked on 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 <a href="ftp://ftp.3gpp.org/specs/">ftp://ftp.3gpp.org/specs/</a> 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.

# 6.1.0b Default System Information Block Messages

. . .

Contents of System Information Block type 11 (3.84 Mcps and 1.28 Mcps TDD)

A1, A2	TRUE
,,, 2	Not Present
	Notriesali
	National
	Notused
	(no data)
A1, A2	
	Not Present
	Absence of this IE is equivalent to default value 1
	·
	Not present
	(This IE shall be ignored by the UE for SIB11)
	4
	1
	Not present
	Absence of this IE is equivalent to default value 0dB
	Not Present
	FALSE
	TDD
	Potoronoo da uo 6.1.4 Dota et cettines for cell
	Reference clause 6.1.4 Default settings for cell
	Not Present
	Not Present
	Not Present
	Not Present
	Not resent
	Not Descent
	Not Present
	Not Present
	(The IE shall be absent as this is the serving cell)
	<u>2</u>
	Not present
	Absence of this IE is equivalent to default value 0dB
	Not Present
	FALSE
	<u>TDD</u>
	Refer to clause titled "Default setting for cell No.2 (TDD)" in clause 6.1.4
	Not Present
	Not Present
	Not Present
	Not Present
	INOLFIESCII.
	Not Present
	Not Present
	<u>3</u>
	Same content as specified for intra-frequency cell id=2 with the
	exception that value for Cell Parameters ID shall be according to daus
	titled "Default settings for cell No.3(TDD)" in clause 6.1.4
	7
	Compo content on appointed for interference or a real interference o
	Same content as specified for intra-frequency cell id=2 with the
	exception that value for Cell Parameters ID shall be according to daus
	titled "Default settings for cell No.7(TDD)" in dause 6.1.4
	8
	Same content as specified for intra-frequency cell id=2 with the
	exception that value for Cell Parameters ID shall be according to daus
	titled "Default settings for cell No.8(TDD)" in clause 6.1.4
1	uucu Delauluseuu iys ioi Celi No.o(TDD) ITCaduse 6.1.4
A4 A0	Not Descript
A1, A2 A1, A2	Not Present
	A1, A2

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- Filter coefficient Not present Absence of this IE is equivalent to the default value 0 TDD - CHOICE mode - Measurement quantity list -Measurement quantity P-CCPCH RSCP - Intra-frequency reporting quantity for RACH Reporting Not Present - Maximum number of reported cells on RACH Not Present - Reporting information for state CELL DCH - Intra-frequency reporting quantity - Reporting quantities for active set cells - Cell synchronisation information reporting indicator TRUE - Cell identity reporting indicator TRUE -CHOICE mode TDD - Timeslot ISCP reporting indicator **FALSE** - Proposed TSGN reporting required **FALSE** - P-CCPCH RSCP reporting indicator TRUE - Pathloss reporting indicator FALSE - Reporting quantities for monitored set cells **FALSE** - Cell synchronisation information reporting indicator - Cell identity reporting indicator TRUE -CHOICE mode TDD **FALSE** - Timeslot ISCP reporting indicator - Proposed TSGN reporting required FALSE - P-CCPCH RSCP reporting indicator TRUE - Pathloss reporting indicator **FALSE** - Reporting quantities for detected set cells Not Present - Measurement reporting mode - Measurement Report Transfer Mode Acknowledged mode RLC - Periodical Reporting / Event Trigger Reporting Mode Event trigger -CHOICE report criteria - Intra-frequency measurement reporting criteria - Parameters required for each event - Intra-frequency event identity - Triggering condition 1 Not Present Not Present - Triggering condition2 Not Present - Reporting Range Constant - cells forbidden to affect reporting range Not Present -W(optional in case of 1a,1b) Not Present 0.0 - Hysteresis - Threshold used frequency Not Present - Reporting deactivation threshold - Replacement activation threshold Not Present 640 - Time to trigger - Amount of reporting - Reporting interval 4000 - Reporting cell status - CHOICE reported cells Report cell within active set and/or monitored cells on used frequency - Maximum number of reported cells Inter-frequency measurement system information A1, A2

A1, A2

Traffic volume measurement system information

Not Present

#### 3GPP TSG-RAN WG5 Meeting #27

Tdoc #R5-050619

United Kindom, Bath 25 - 29 Apr 2005

	CHANGE F	REQUEST	CR-Form-v7
æ	34.108 CR 410 ×	rev - # Current version: 5.4.0	Ħ
For <mark>HE</mark>	<b>LP</b> on using this form, see bottom of this pa	age or look at the pop-up text over the 器 symbols.	
Proposed change affe	ects: UICC apps 器	ME X Radio Access Network X Core N	letwork
Title:	CR to 34.108 Rel-5: Corrections to the usa 6.1.4 for TDD cell	age of 'Cell info' IE in System Information Block type 11 i	n section
Source:	3GPP TSG RAN WG5 (Testing)		
Work item code:	LCRTDD	<i>Dat</i> e: ⊭ 25/04/2005	
Category: ৠ	F Use one of the following categories: F (correction) A (corresponds to a correction in an earlie B (addition of feature), C (functional modification of feature) D (editorial modification) Detailed explanations of the above categories cabe found in 3GPP TR 21.900.	R97 (Release 1997) R98 (Release 1998) R99 (Release 1999)	
Reason for change:	clause titled "Default settings for "Default settings for FDD cell".	oe 11 configured for TDD cell, 'Cell info' IE should be acc rTDD cell' in dause 6.1.4, not according to the dause tit	
Summary of change:	舞 6. Change 'Primary scrambling or 7. Change 'Default setting for FDI	ode' to 'Cell parameters ID'. D cell' to "Default setting for TDD cell" in clause 6.1.4.	
Consequences if not approved:	<b>H</b>		
Clauses affected:	<b>光 6.1.4</b>		
Other specs affected:	Y N X Other core specifications Test specifications X O&M Specifications	[ <b>H</b> ]	
Other comments:	<b>x</b>		

#### How to create CRs using this form:

Comprehensive information and tips about how to create CRs can be found at <a href="http://www.3gpp.org/specs/CR.htm">http://www.3gpp.org/specs/CR.htm</a>. 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.

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- 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 <a href="ftp://ftp.3gpp.org/specs/">ftp://ftp.3gpp.org/specs/</a> 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 dause containing the first piece of changed text. Delete those parts of the specification which are not relevant to the change request.

# 6.1.4 Default parameters for 1 to 8 cell environments

. . .

Contents of System Information Block type 11 for cell No.2 (TDD)

- Intra-frequency measurement system information	
- New intra-frequency cells	
- Intra-frequency cell id	2
- Cell info	Same content as specified for Intra-frequency cell id=1 (serving cell) in
	SIB11 for Cell 1 in sub-clause 6.1.0b with the exception that value for
	Primary scrambling code Cell parameters ID shall be according to dause
	titled "Default settings for cell No.2 (TDD)" in clause 6.1.4
- Intra-frequency cell id	1
- Cell info	Same content as specified for Intra-frequency cell id=2 in SIB11 for Cell 1
	in sub-clause 6.1.0b with the exception that value for Primary scrambling
	ecde Cell parameters ID shall be according to dause titled "Default
1.10.60	settings for cell No.1 (TDD)" in dause 6.1.4
- Intra-frequency cell id	3
- Cell info	Same content as specified for Intra-frequency cell id=3 in SIB11 for Cell 1
heter for a community of the	in sub-dause 6.1.0b
- Intra-frequency cell id - Cell info	•
- Cernio	Same content as specified for Intra-frequency cell id=7 in SIB11 for Cell 1 in sub-dause 6.1.0b
latra from one coll id	Insub-dause 6.1.00
- Intra-frequency cell id - Cell info	Same content as specified for Intra-frequency cell id=8 in SIB11 for Cell 1
- Call 10	in sub-dause 610b
	insub-dause 0.1.00
- Inter-frequency measurement system information	
- New inter-frequency cells	
- Interfrequency cell id	4
- Frequency info	Same content as specified for Inter-frequency cell id=4 in SIB11 for Cell 1
	in sub-clasue 6.1.0b
- Cell info	Same content as specified for Inter-frequency cell id=4 in SIB11 for Cell 1
	in sub-clasue 6.1.0b
- Interfrequency cell id	5
- Frequency info	Same content as specified for Inter-frequency cell id=5 in SIB11 for Cell 1
	in sub-clasue 6.1.0b
- Cell info	Same content as specified for Inter-frequency cell id=5 in SIB11 for Cell 1
	in sub-dasue 6.1.0b
- Interfrequency cell id	6
- Frequency info	Same content as specified for Inter-frequency cell id=6 in SIB11 for Cell 1
	in sub-dasue 6.1.0b
- Cell info	Same content as specified for Inter-frequency cell id=6 in SIB11 for Cell 1
	in sub-clasue 6.1.0b

Contents of System Information Block type 11 for cell No.3 (TDD)

Intra-frequency measurement system information	
- New intra-frequency cells	
- Intra-frequency cell id	3
- Cell info	Same content as specified for Intra-frequency cell id=1 (serving cell) in
	SIB11 for Cell 1 in sub-clause 6.1.0b with the exception that value for
	Primary scrambling code Cell parameters ID shall be according to dause
	titled "Default settings for cell No.3 (TDD)" in dause 6.1.4
- Intra-frequency cell id	1
- Cell info	Same content as specified for Intra-frequency cell id=2 (neigbour cell) in
	SIB11 for Cell 1 in sub-dause 6.1.0b with the exception that value for
	Primary scrambling code Cell parameters ID shall be according to dause
	titled "Default settings for cell No.1 (TDD)" in clause 6.1.4
- Intra-frequency cell id	2
- Cell info	Same content as specified for Intra-frequency cell id=2 in SIB11 for Cell 1
	in sub-dause 6.1.0b
- Intra-frequency cell id	7
- Intra-nequency centra - Cell info	Same content as specified for Intra-frequency cell id=7 in SIB11 for Cell 1
- Calli IIO	in sub-dause 6.1.0b
latra from rapa coallid	8
- Intra-frequency cell id - Cell info	•
-Cell II II O	Same content as specified for Intra-frequency cell id=8 in SIB11 for Cell 1 in sub-dause 6.1.0b
	In sub-dause 6.1.0b
 nter-frequency measurement system information	
 - New inter-frequency cells	
- Inter frequency cell id	4
- Frequency info	Same content as specified for Inter-frequency cell id=4 in SIB11 for Cell 1
1.0400.09 1.10	in sub-clasue 6.1.0b
- Cell info	Same content as specified for Inter-frequency cell id=4 in SIB11 for Cell 1
	in sub-dasue 6.1.0b
- Interfrequency cell id	5
- Frequency info	Not Present
- i requei cy ii iio	Absence of this IE is equivalent to value of the previous "frequency info" in
- Cell info	the list
- Cell mo	Same content as specified for Inter-frequency cell id=5 in SIB11 for Cell 1
1.46	in sub-dasue 6.1.0b
- Interfrequency cell id	6
- Frequency info	Not Present
	Absence of this IE is equivalent to value of the previous "frequency info" in
	the list
- Cell info	Same content as specified for Inter-frequency cell id=6 in SIB11 for Cell 1
	in sub-dasue 6.1.0b

-Cell info

#### - Intra-frequency measurement system information - New intra-frequency cells - Intra-frequency cell id -Cell info Same content as specified for Intra-frequency cell id=1 (serving cell) in SIB11 for Cell 1 in sub-clause 6.1.0b with the exception that value for Primary scrambling code Cell parameters ID shall be according to dause titled "Default settings for cell No.4 (TDD)" in clause 6.1.4 - Intra-frequency cell id Same content as specified for Intra-frequency cell id=2 in SIB11 for Cell 1 in sub-clause 6.1.0b with the exception that value for Prin code Cell parameters ID shall be according to dause titled "Default settings for cell No.5 (TDD)" in dause 6.1.4 - Intra-frequency cell id - Cell info Same content as specified for Intra-frequency cell id=2 in SIB11 for Cell 1 in sub-clause 6.1.0b with the exception that value for Primary scrambling eede Cell parameters ID shall be according to dause titled "Default settings for cell No.6 (TDDFDD)" in clause 6.1.4 - Inter-frequency measurement system information - New inter-frequency cells - Inter-frequency cell id - Frequency info - UARFCN downlink(Nt) Reference to table 6.1.7 for Cell 1 Same content as specified for Inter-frequency cell id=4 in SIB11 for Cell 1 -Cell info in sub-clause 6.1.0b with the exception that value for Primary scrambling code Cell parameters ID shall be according to clause titled "Default settings for cell No.1 (TDD)" in dause 6.1.4 - Inter-frequency cell id Not Present - Frequency info Absence of this IE is equivalent to value of the previous "frequency info" in - Cell info Same content as specified for Inter-frequency cell id=4 in SIB11 for Cell 1 in sub-clause 6.1.0b with the exception that value for Primary scramble code Cell parameters ID shall be according to clause titled "Default settings for cell No.2 (TDDFDD)" in clause 6.1.4 - Inter-frequency cell id - Frequency info Absence of this IE is equivalent to value of the previous "frequency info" in - Cell info Same content as specified for Inter-frequency cell id=4 in SIB11 for Cell 1 in sub-clause 6.1.0b with the exception that value for Primary scrambling code Cell parameters ID shall be according to dause titled "Default settings for cell No.3 (TDD)" in clause 6.1.4 - Inter-frequency cell id Not Present - Frequency info Absence of this IE is equivalent to value of the previous "frequency info" in - Cell info Same content as specified for Inter-frequency cell id=4 in SIB11 for Cell 1 in sub-clause 6.1.0b with the exception that value for Primary scram! code Cell parameters ID shall be according to dause titled "Default settings for cell No.7 (TDD)" in clause 6.1.4 - Inter-frequency cell id - Frequency info Not Present Absence of this IE is equivalent to value of the previous "frequency info" in

CR page 138

the list

Same content as specified for Inter-frequency cell id=4 in SIB11 for Cell 1 in sub-dause 6.1.0b with the exception that value for Cell parameters ID Primary scrambling code shall be according to dause titled "Default

settings for cell No.8 (TDDFDD)" in clause 6.1.4

#### - Intra-frequency measurement system information - New intra-frequency cells - Intra-frequency cell id -Cell info Same content as specified for Intra-frequency cell id=1 (serving cell) in SIB11 for Cell 1 in sub-clause 6.1.0b with the exception that value for Primary scrambling code Cell parameters ID shall be according to dause titled "Default settings for cell No.5 (TDD)" in clause 6.1.4 - Intra-frequency cell id Same content as specified for Intra-frequency cell id=2 in SIB11 for Cell 1 in sub-clause 6.1.0b with the exception that value for Primary scram code Cell parameters ID shall be according to dause titled "Default settings for cell No.4 (TDD)" in dause 6.1.4 - Intra-frequency cell id - Cell info Same content as specified for Intra-frequency cell id=2 in SIB11 for Cell 1 in sub-clause 6.1.0b with the exception that value for Primary scrambling eede Cell parameters ID shall be according to dause titled "Default settings for cell No.6 (TDD)" in dause 6.1.4 - Inter-frequency measurement system information - New inter-frequency cells - Inter-frequency cell id - Frequency info - UARFCN downlink(Nt) Reference to table 6.1.7 for Cell 1 Same content as specified for Inter-frequency cell id=4 in SIB11 for Cell 1 -Cell info in sub-clause 6.1.0b with the exception that value for Primary scrambling code Cell parameters ID shall be according to dause titled "Default settings for cell No.1 (TDDFDD)" in clause 6.1.4 - Inter-frequency cell id Not Present - Frequency info Absence of this IE is equivalent to value of the previous "frequency info" in - Cell info Same content as specified for Inter-frequency cell id=4 in SIB11 for Cell 1 in sub-clause 6.1.0b with the exception that value for Primary scramble code Cell parameters ID shall be according to clause titled "Default settings for cell No.2 (TDD)" in dause 6.1.4 - Inter-frequency cell id - Frequency info Absence of this IE is equivalent to value of the previous "frequency info" in - Cell info Same content as specified for Inter-frequency cell id=4 in SIB11 for Cell 1 in sub-clause 6.1.0b with the exception that value for Primary scrambling code Cell parameters ID shall be according to dause titled "Default settings for cell No.3 (TDD)" in clause 6.1.4 - Inter-frequency cell id Not Present - Frequency info Absence of this IE is equivalent to value of the previous "frequency info" in - Cell info Same content as specified for Inter-frequency cell id=4 in SIB11 for Cell 1 in sub-clause 6.1.0b with the exception that value for Primary scram! code Cell parameters ID shall be according to dause titled "Default settings for cell No.7 (TDD)" in clause 6.1.4

- Inter-frequency cell id - Frequency info

- Cell info

Not Present

Absence of this IE is equivalent to value of the previous "frequency info" in

the list

Same content as specified for Inter-frequency cell id=4 in SIB11 for Cell 1 in sub-dause 6.1.0b with the exception that value for Primary scrambling code Cell parameters ID shall be according to clause titled "Default settings for cell No.8 (TDD)" in clause 6.1.4

CR page 139

### - Intra-frequency measurement system information - New intra-frequency cells - Intra-frequency cell id -Cell info

- Intra-frequency cell id
- Intra-frequency cell id
- Cell info

- Inter-frequency measurement system information

- New inter-frequency cells
- Inter-frequency cell id
- Frequency info
- UARFCN downlink(Nt)
- -Cell info
- Inter-frequency cell id - Frequency info
- Cell info
- Inter-frequency cell id - Frequency info
- Cell info
- Inter-frequency cell id - Frequency info
- Cell info
- Inter-frequency cell id - Frequency info
- Cell info

Same content as specified for Intra-frequency cell id=1 (serving cell) in SIB11 for Cell 1 in sub-clause 6.1.0b with the exception that value for Primary scrambling code Cell parameters ID shall be according to dause titled "Default settings for cell No.6 (TDD)" in clause 6.1.4

Same content as specified for Intra-frequency cell id=2 in SIB11 for Cell 1 in sub-clause 6.1.0b with the exception that value for Prin code Cell parameters ID shall be according to dause titled "Default settings for cell No.4 (TDD)" in dause 6.1.4

Same content as specified for Intra-frequency cell id=2 in SIB11 for Cell 1 in sub-dause 6.1.0b with the exception that value for Cell parameters ID Primary scrambling code shall be according to clause titled "Default settings for cell No.5 (TDD)" in clause 6.1.4

Reference to table 6.1.7 for Cell 1

Same content as specified for Inter-frequency cell id=4 in SIB11 for Cell 1 in sub-clause 6.1.0b with the exception that value for <u>Cell parameters ID</u> Primary scrambling code shall be according to dause titled "Default settings for cell No.1 (TDD)" in clause 6.1.4

Not Present

Absence of this IE is equivalent to value of the previous "frequency info" in

Same content as specified for Inter-frequency cell id=4 in SIB11 for Cell 1 in sub-clause 6.1.0b with the exception that value for Primary scramble code Cell parameters ID shall be according to clause titled "Default settings for cell No.2 (TDD)" in dause 6.1.4

Absence of this IE is equivalent to value of the previous "frequency info" in

Same content as specified for Inter-frequency cell id=4 in SIB11 for Cell 1 in sub-clause 6.1.0b with the exception that value for Primary scrambling code Cell parameters ID shall be according to dause titled "Default settings for cell No.3 (TDD)" in clause 6.1.4

Not Present

Absence of this IE is equivalent to value of the previous "frequency info" in

Same content as specified for Inter-frequency cell id=4 in SIB11 for Cell 1 in sub-clause 6.1.0b with the exception that value for Primary scram! code Cell parameters ID shall be according to dause titled "Default settings for cell No.7 (TDD)" in clause 6.1.4

Not Present

Absence of this IE is equivalent to value of the previous "frequency info" in the list

Same content as specified for Inter-frequency cell id=4 in SIB11 for Cell 1 in sub-dause 6.1.0b with the exception that value for Primary scrambling code Cell parameters ID shall be according to clause titled "Default

settings for cell No.8 (TDD)" in clause 6.1.4

Intra-frequency measurement system information	
 - New intra-frequency cells	
- Intra-frequency cell id	7
- Cell info	Same content as specified for Intra-frequency cell id=1 (serving cell) in SIB11 for Cell 1 in sub-dause 6.1.0b with the exception that value for <a href="Primary scrambling code-Cell parameters ID">Primary scrambling code-Cell parameters ID</a> shall be according to daus titled "Default settings for cell No.7 (TDD)" in dause 6.1.4
- Intra-frequency cell id	1
- Cell info	Same content as specified for Intra-frequency cell id=2 (neigbour cell) in SIB11 for Cell 1 in sub-clause 6.1.0b with the exception that value for Primary scrambling code Cell parameters ID shall be according to claus titled "Default settings for cell No.1 (TDD)" in clause 6.1.4
- Intra-frequency cell id	2
- Cell info	Same content as specified for Intra-frequency cell id=2 in SIB11 for Cell in sub-dause 6.1.0b
- Intra-frequency cell id	3
- Cell info	Same content as specified for Intra-frequency cell id=3 in SIB11 for Cell in sub-dause 6.1.0b
- Intra-frequency cell id	8
-Cell info	Same content as specified for Intra-frequency cell id=8 in SIB11 for Cell in sub-dause 6.1.0b
 Inter-frequency measurement system information	
 - New inter-frequency cells	
- Inter frequency cell id	4
- Frequency info	Same content as specified for Inter-frequency cell id=4 in SIB11 for Cell in sub-clasue 6.1.0b
- Cell info	Same content as specified for Inter-frequency cell id=4 in SIB11 for Cell in sub-clasue 6.1.0b
- Interfrequency cell id	5
- Frequency info	Same content as specified for Inter-frequency cell id=5 in SIB11 for Cell in sub-dasue 6.1.0b
- Cell info	Same content as specified for Inter-frequency cell id=5 in SIB11 for Cell

- Interfrequency cell id - Frequency info

- Cell info

in sub-dasue 6.1.0b

Same content as specified for Inter-frequency cell id=6 in SIB11 for Cell 1 in sub-dasue 6.1.0b

Same content as specified for Inter-frequency cell id=6 in SIB11 for Cell 1

in sub-dasue 6.1.0b

Intra-frequency measurement system information	
 - New intra-frequency cells	
- Intra-frequency cell id	8
- Cell info	Same content as specified for Intra-frequency cell id=1 (serving cell) in SIB11 for Cell 1 in sub-clause 6.1.0b with the exception that value for <a href="Primary scrambling code">Primary scrambling code</a> Cell parameters ID shall be according to clautitled "Default settings for cell No.8 (TDD)" in clause 6.1.4
- Intra-frequency cell id	1
- Cell info	Same content as specified for Intra-frequency cell id=2 (neigbour cell) in SIB11 for Cell 1 in sub-clause 6.1.0b with the exception that value for Primary scrambling code Cell parameters ID shall be according to clautitled "Default settings for cell No.1 (TDD)" in clause 6.1.4
- Intra-frequency cell id	2
- Cell info	Same content as specified for Intra-frequency cell id=2 in SIB11 for Cel in sub-dause 6.1.0b
- Intra-frequency cell id	3
- Cell info	Same content as specified for Intra-frequency cell id=3 in SIB11 for Cel in sub-clause 6.1.0b
- Intra-frequency cell id	7
- Cell info	Same content as specified for Intra-frequency cell id=7 in SIB11 for Cell in sub-dause 6.1.0b
 Inter-frequency measurement system information	
- New inter-frequency cells	
- Interfrequency cell id	Compared to a considered for later from upon youll id=4 in CID41 for Col
- Frequency info	Same content as specified for Inter-frequency cell id=4 in SIB11 for Cell in sub-clasue 6.1.0b
- Cell info	Same content as specified for Inter-frequency cell id=4 in SIB11 for Cel in sub-clasue 6.1.0b
- Interfrequency cell id	5
- Frequency info	Same content as specified for Inter-frequency cell id=5 in SIB11 for Ce in sub-clasue 6.1.0b
- Cell info	Same content as specified for Inter-frequency cell id=5 in SIB11 for Ce in sub-clasue 6.1.0b

in sub-dasue 6.1.0b

in sub-dasue 6.1.0b

Same content as specified for Inter-frequency cell id=6 in SIB11 for Cell 1  $\,$ 

Same content as specified for Inter-frequency cell id=6 in SIB11 for Cell 1

- Cell info

- Interfrequency cell id - Frequency info

# 3GPP TSG-RAN WG5 Meeting #27

Tdoc #R5-050620

United Kindom, Bath 25 - 29 Apr 2005

	CHANGE REQUEST
æ	34.108 CR 411
For <u>F</u>	HELP on using this form, see bottom of this page or look at the pop-up text over the 発 symbols.
Proposed change a	ffects: UICC apps
Title:	CR to 34.108 Rel-5: Corrections to the contents of System Information Block type 5 (1.28 Mcps TDD)
Source:	3GPP TSG RAN WG5 (Testing)
Work item code:	<b>LCRTDD</b>
Category:	## F 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)  P (editorial modification)  Detailed explanations of the above categories can be found in 3GPP TR 21.900.  Release: ## Rel-5  Use one of the following releases:  2 (GSM Phase 2)  R96 (Release 1996)  R97 (Release 1997)  R98 (Release 1998)  R99 (Release 1999)  Rel-4 (Release 4)  Rel-5 (Release 5)  Rel-6 (Release 6)
Reason for change:	<ul> <li>## 4.8. The name of IE' PRACH Channelisation Code List' in PRACH Definition part is erroneous.</li> <li>2.9. IE 'PNBSCH allocation' doesn't exist for 1.28Mcps TDD.</li> <li>3.10. IE 'Secondary CCPCH system information' is redundant.</li> <li>11. The name of IE 'Normal' in TFCS doesn't exist.' Normal' is the value of IE 'CHOICE TFCI signalling'.</li> </ul>
Summary of change	2.9. This IE belongs to 3.84Mcps TDD only, so delete it. 3.10. Delete the redundant IE. 4.11. Delete the IE, and add 'Normal' to the value of CHOICE TFCI signalling IE.
Consequences if not approved:	## The contents of SIB 5 in TS 34.108 are inconsistent with TS 25.331.
Clauses affected:	<b>第 6.1.0b</b>
Other specs affected:	Y N   X   Other core specifications   H   X   Test specifications   X   O&M Specifications
Other comments:	₩

#### How to create CRs using this form:

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

- 1) Fill out the above form. The symbols above marked on 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 <a href="ftp://ftp.3gpp.org/specs/">ftp://ftp.3gpp.org/specs/</a> 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.

- Type of channel coding

# 6.1.0b Default System Information Block Messages

. . .

Contents of System Information Block type 5 (1.28 Mcps TDD)

Contents of System information block type 5	(1.26 Micps 100)
- SIB6 indicator	TRUE
- PICH Power offset	-5 dB
- CHOICE Mode	TDD
- PUSCH system information	Not Present
- PDSCH system information	Not Present
- TDD open loop power control	
- Primary CCPCH Tx Power	30 dbm
- CHOICE TDD option	1.28 Mcps TDD /REL-4/
- no data	
- Primary CCPCH info	
- CHOICE mode	TDD
- CHOICE TDD option	1.28 Mcps TDD /REL-4/
- TSTD indicator	FALSE
- Cell parameters ID	Not Present
- Block SCTD indicator	FALSE
- PRACH system information list	
- PRACH system information	
- PRACH info	TDD
- CHOICE mode	TDD
- CHOICE TDD option	1.28 Mcps TDD /REL-4/
- SYNC_UL info - SYNC_UL codes bitmap	"11111111"
- UL Target SIR	10 dB
- Power Ramping Step	3 dB
- Max SYNC_UL Transmissions	3 dB   8
- Mmax	32
- PRACH definition	02
- Timeslot number	
- CHOICE TDD option	1.28 Mcps TDD /REL-4/
- Timeslot number	1
- PRACH Channelisation Code List	
- Channelisation Code List	
- Channelisation Code	(8/1)
- Midamble Shift and burst type	
- CHOICE TDD option	1.28 Mcps TDD /REL-4/
- Midamble Allocation Mode	Default midamble
- Midamble configuration	8
- Midamble Shift	Not present
- FPACH info	
- Timeslot number	6
- Channelisation code	(16/16)
- Midamble Shift and burst type	
- CHOICE TDD option	1.28 Mcps TDD /REL-4/
- Midamble Allocation Mode	Common Midamble
- Midamble configuration	8
- Midamble Shift	Not present
- WT	4
PNBSCH allocation	Not Present /REL-4/
- Transport Channel Identity	15
- RACH TFS	0
- CHOICE Transport channel type	Common transport channels
- Dynamic Transport format information	Potoronoo olayaa 6.10 Parameter Cat
- RLC size	Reference clause 6.10 Parameter Set
- Number of TB and TTI List	Reference clause 6.10 Parameter Set
- Number of Transport blocks	Reference clause 6.10 Parameter Set
- CHOICE Mode	
- Transmission Time Interval	Not Present
- CHOICE Logical Channel List	Configured
- Semi-static Transport Format information - Transmission time interval	Reference clause 6.10 Parameter Set
- manomiosion unic interval	Neierence clause v. 10 Farailleter Set

Reference clause 6.10 Parameter Set

- Offset

Reference clause 6.10 Parameter Set - Coding Rate - Rate matching attribute Reference clause 6.10 Parameter Set - CRC size Reference clause 6.10 Parameter Set - RACH TFCS Not present - PRACH partitioning - Access Service Class - ASC Settings (ASC#0) - CHOICE mode TDD - CHOICE TDD option 1.28 Mcps TDD - Available SYNC\_UL codes indices "11111111" - CHOICE subchannel size Size1 - Available Subchannels Null (ASC#1) - ASC Settings - CHOICE mode TDD - CHOICE TDD option 1.28 Mcps TDD "11111111" Available SYNC\_UL codes indices - CHOICE subchannel size Size1 - Available Subchannels Null - ASC Settings (ASC#2) - CHOICE mode TDD - CHOICE TDD option 1.28 Mcps TDD "11111111" Available SYNC\_UL codes indices - CHOICE subchannel size Size1 - Available Subchannels Null - ASC Settings (ASC#3) - CHOICE mode TDD 1.28 Mcps TDD - CHOICE TDD option Available SYNC\_UL codes indices "11111111" - CHOICE subchannel size Size1 - Available Subchannels Null - ASC Settings (ASC#4) - CHOICE mode TDD - CHOICE TDD option 1.28 Mcps TDD Available SYNC\_UL codes indices "11111111" - CHOICE subchannel size Size1 - Available Subchannels Null - ASC Settings (ASC#5) - CHOICE mode TDD - CHOICE TDD option 1.28 Mcps TDD - Available SYNC UL codes indices "11111111" - CHOICE subchannel size Size1 - Available Subchannels Null - ASC Settings (ASC#6) - CHOICE mode TDD - CHOICE TDD option 1.28 Mcps TDD - Available SYNC UL codes indices "11111111" Size1 - CHOICE subchannel size - Available Subchannels Null - Access Service Class - Persistence scaling factor 0.9 (for ASC#2) 0.9 (for ASC#3) - Persistence scaling factor - Persistence scaling factor 0.9 (for ASC#4) - Persistence scaling factor 0.9 (for ASC#5) Persistence scaling factor 0.9 (for ASC#6) - AC-to-ASC mapping - AC-to-ASC mapping table 6 (AC0-9) AC-to-ASC mapping - AC-to-ASC mapping 5 (AC10) - AC-to-ASC mapping 4 (AC11) - AC-to-ASC mapping 3 (AC12) - AC-to-ASC mapping 2 (AC13) 1 (AC14) - AC-to-ASC mapping - AC-to-ASC mapping 0 (AC15) - CHOICE mode TDD (no data) - Secondary CCPCH system information Secondary CCPCH s - Secondary CCPCH info - CHOICE mode TDD

0

- Common timeslot info
- 2<sup>nd</sup> interleaving mode
- TFCI coding
- Puncturing limit
- Repetition period
- Repetition length
- Individual timeslot info
- CHOICE TDD option
- Timeslot number
- TFCI existence
- Midamble Shift and burst type
- CHOICE TDD option
- Midamble Allocation Mode
- Midamble configuration
- Midamble Shift
- CHOICE TDD option
- Modulation
- SS-TPC Symbols
- Code List
- Channelisation Code
- TFCS
  - CHOICE TFCI signalling
  - -Normal
  - TFCI Field 1 information
  - CHOICE TFCS representation
  - TFCS addition information
  - CHOICE CTFC Size
  - CTFC information
  - Power offset information
- FACH/PCH information
- Transport Channel Identity
- TFS
- CHOICE Transport channel type
- Dynamic Transport format information
- RLC Size
- Number of TB and TTI List
- Number of Transport blocks
- CHOICE Mode
- Transmission Time Interval
- CHOICE Logical Channel List
- Semi-static Transport Format information
- Transmission time interval
- Type of channel coding
- Coding Rate
- Rate matching attribute
- CRC size
- Transport Channel Identity
- TFS
- CHOICE Transport channel type
- Dynamic Transport format information
- RLC Size
- Number of TB and TTI List
- Number of Transport blocks
- CHOICE Mode
- Transmission Time Interval
- CHOICE Logical Channel List
- Semi-static Transport Format information
- Transmission time interval
- Type of channel coding
- Coding Rate
- Rate matching attribute
- CRC size
- CTCH indicator
- PICH info
- CHOICE mode
- CHOICE TDD option
- Timeslot number
- Midamble shift and burst type

Frame

Reference clause 6.10 Parameter Set

Reference clause 6.10 Parameter Set

1

1.28 Mcps TDD

0

Reference clause 6.10 Parameter Set

1.28 Mcps TDD

Default midamble

4

Not Present

1.28 Mcps TDD

Reference clause 6.10 Parameter Set

Reference clause 6.10 Parameter Set

Reference clause 6.10 Parameter Set Reference clause 6.10 Parameter Set

#### Addition

Normal

Number of bits used must be enough to cover all combinations of CTFC from clause 6.10. Reference clause 6.10 Parameter Set Not Present

12 (for PCH)

(PCH)

Common transport channels

(This IE is repeated for TFI number.)

Reference clause 6.10 Parameter Set

Reference clause 6.10 Parameter Set

Reference clause 6.10 Parameter Set

TDD

Not Present

ΔII

Reference clause 6.10 Parameter Set

Reference clause 6.10 Parameter Set 13 (for FACH)

(FACH)

Common transport channels

(This IE is repeated for TFI number.)

Reference clause 6.10 Parameter Set

Reference clause 6.10 Parameter Set

Reference clause 6.10 Parameter Set

TDD Not Present

ALL

Reference clause 6.10 Parameter Set FALSE

TDD

1.28 Mcps TDD

)

- Midamble Allocation Mode	Default midamble
- Midamble configuration	8
- Midamble Shift	Not Present
- Channelisation code list	
- Channelisation code	(16/1)
- Channelisation code	(16/2)
- Repetition period/length	64/2
- Offset	0
<ul> <li>Paging indicator length</li> </ul>	4
- N <sub>GAP</sub>	4
- N <sub>PCH</sub>	2
- CBS DRX Level 1 information	Not Present

# 3GPP TSG-RAN5 Meeting #27 Bath, UK, 25<sup>th</sup> – 29<sup>th</sup> April 2005

# Tdoc **≋**R5-050638

									CR-Form-v7
			CHAN	IGE REC	UES	T			
[#]	34.10	8 CR	412	жrev	<b>-</b> [3	€	Current version:	5.4.0	[ <b>X</b> ]
For <u>HELI</u>	on using this t	form, see	e bottom	of this page or	look at	the	e pop-up text over	r the ₩ syı	mbols.
Proposed ch	ange affects:	UICC a	apps:	ME X	Radio	) A	ccess Network	Core Ne	etwork

Title:	$\mathfrak{R}$	Up	date to cla	use 8 Test	: USIM Para	ameters				
Source:	$\mathbb{H}$	3G	PP TSG F	RAN WG5 (	Testing)					
Work item code	<b>:</b>   <b>X</b>	TE	l				Da	ite: 光	14/04/20	05
Category:	æ	F					Relea	se: ₩	Rel-5	
		Use	one of the i	following cat	tegories:		Use	one of t	the followin	g releases:
			F (correcti	on)			2		(GSM Phas	se 2)
			A (corresp	onds to a co	orrection in a	n earlier release	e) R:	96	(Release 1	996)
			B (addition	of feature),			R	97	(Release 1	997)
			C (function	nal modificat	tion of featur	e)	R	98	(Release 1	998)
			D (editoria	I modification	n)		R	99	(Release 1	999)
		Deta	iled explan	ations of the	above cate	gories can	R	el-4	(Release 4	)
		be fo	ound in 3GF	PP <u>TR 21.90</u>	<u>0</u> .		R	el-5	(Release 5	)
							R	el-6	(Release 6	)

Reason for change: 選	There has been changes and updates in the core specification TS 31.102 that have an effect to the Test USIM Parameters specified in clause 8. The latest available Rel-5 version of TS 31.102 (V5.12.0) has been used in this update.
Summary of change: 器	<ol> <li>In clause 8.3.2.6 EF<sub>HPLMN</sub> (HPLMN search period) renamed as EF<sub>HPPLMN</sub> (Higher Priority PLMN search period) and the default valua updated.</li> <li>Services in clause 8.3.2.8 EF<sub>UST</sub> (USIM Service Table) updated.</li> <li>Clause 8.3.2.41 EF<sub>GMSI</sub> (Group Identity) marked as Void.</li> <li>In clause 8.3.2.53 EF<sub>OPLMNseI</sub> (OPLMN selector) renamed as EF<sub>OPLMNwACT</sub> (Operator controlled PLMN selector with Access Technology).</li> <li>In clause 8.3.2.54 EF<sub>PHPLMNAT</sub> (Preferred HPLMN Access Technology) renamed as EF<sub>HPLMNwACT</sub> (HPLMN selector with Access Technology).</li> <li>Added the following EFs:         <ul> <li>3.2.58 EF<sub>PNN</sub> (PLMN Network Name)</li> <li>3.2.59 EF<sub>OPL</sub> (Operator PLMN List)</li> <li>3.3.2.60 EF<sub>MBDN</sub> (Mailbox Dialling Numbers)</li> <li>3.2.61 EF<sub>EXT6</sub> (Extension6)</li> <li>3.2.62 EF<sub>MBI</sub> (Mailbox Identifier)</li> <li>3.3.2.63 EF<sub>MWIS</sub> (Message Waiting Indication Status)</li> <li>3.3.2.65 EF<sub>EXT7</sub> (Extension7)</li> <li>3.3.2.66 EF<sub>SPDI</sub> (Service Provider Display Information)</li> <li>3.3.2.67 EF<sub>MMSN</sub> (MMS Notification)</li> <li>3.3.2.68 EF<sub>EXT8</sub> (Extension 8)</li> <li>3.3.2.69 EF<sub>MMSICP</sub> (MMS Issuer Connectivity Parameters)</li> <li>3.3.2.70 EF<sub>MMSUCP</sub> (MMS User Preferences)</li> <li>3.3.2.72 EF<sub>NIA</sub> (Network's Indication of Alerting)</li> </ul> </li> </ol>

8.3.2.73 EF<sub>VGCS</sub> (Voice Group Call Service)
8.3.2.74 EF<sub>VGCSS</sub> (Voice Group Call Service Status)
8.3.2.75 EF<sub>VBS</sub> (Voice Broadcast Service)
8.3.2.76 EF<sub>VBSS</sub> (Voice Broadcast Service Status)
7. Clause 8.3.3.1.1 EF<sub>SAI</sub> (SoLSA Access Indicator) updated.
8. Clause 8.3.3.1.2 EF<sub>SLL</sub> (SoLSA LSA List) updated.
9. Clause 8.3.3.1.3 LSA Descriptor files updated.
10. Editorial correction in clause 8.3.3.3 Contents of files at the DF GSM-ACCESS level (Files required for GSM Access).
11. Description added in clause 8.3.5.1.2 Image Instance Data Files.

Consequences if not approved:

Clauses affected: Other specs affected:	
Other comments:	■ X O&M Specifications  ■ X O&M Specifications

#### How to create CRs using this form:

Comprehensive information and tips about how to create CRs can be found at <a href="http://www.3gpp.org/specs/CR.htm">http://www.3gpp.org/specs/CR.htm</a>. 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 <a href="ftp://ftp.3gpp.org/specs/">ftp://ftp.3gpp.org/specs/</a> 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.

### 7.5.5.3 Specific message contents

All assistance data message contents shall be referred to clause 10 "A-GPS assistance data".

#### Contents of MEASUREMENT CONTROL message: RRC

Information Element	Value/remark
Measurement Reporting Mode	Periodical reporting
Amount of reporting	Infinite (see note)
Reporting interval	2 000 ms
Horizontal accuracy	50 m
Vertical accuracy	100 m
NOTE: Infinite means during the complete test time.	

#### Contents of RESET UE POSITIONING STORED INFORMATION message: RRC

Information Element	Value/remark
UE Positioning Technology	AGPS

<START OF MODIFIED SECTION>

# 8 Test USIM Parameters

# 8.1 Introduction

This clause defines default parameters for programming the elementary files of the test USIM. The requirements of this clause do not apply to the USIM/ME tests of 3GPP TS 31.120 [39] and 3GPP TS 31.121 [40].

#### 8.1.1 Definitions

#### "Test USIM card":

A USIM card supporting the test algorithm for authentication, programmed with the parameters defined in this clause. The electrical, mechanical and environmental requirements of the test USIM card are specified in 3GPP TS 31.101 [22] and 3GPP TS 31.102 [23].

#### "Test USIM":

Either a test USIM card or the USIM simulator programmed with the parameters defined in this clause.

# 8.1.2 Definition of the test algorithm for authentication

In order to be able to easily test the UMTS authentication and key agreement procedure as specified in 3GPP TS 33.102 [24] and 3GPP TS 33.105 [26] along the whole system, the availability of a test algorithm for generation of authentication vector based on quintets is needed (in GSM triplets was used). Additionally, calculation of the parameters for re-synchronization requests is needed. The definition of the test algorithm are the functions f1, f2, f3, f4, f5 and the corresponding functions for re-synchronization are f1\* and f5\*.

For test USIM intended to be used for inter-RAT test cases then the test USIM shall support the conversion function c3 according to 3GPP TS 33.102 [24], clause 6.8.1.2 to derive the GSM ciphering key Kc from the UMTS cipher/integrity keys CK and IK.

The test algorithm defined in the present clause shall be implemented in test USIM cards as well in test USIM simulators and SS. The test algorithm may also, for test purposes, be implemented in AUC.

The following procedure employs bit wise modulo 2 addition ("XOR").

The following convention applies:

All data variables in the specification of this test algorithm are presented with the most significant substring on the left hand side and the least significant substring on the right hand side. A substring may be a bit, byte or other arbitrary length bitstring. Where a variable is broken down into a number of substrings, the leftmost (most significant) substring is numbered 0, the next most significant is numbered 1, and so on through to the least significant.

#### 8.1.2.1 Authentication and key derivation in the test USIM and SS

The following steps describe sequence of operations for the functions f1, f2, f3, f4 and f5 to perform in the test USIM and SS, in order to obtain the XMAC/MAC, RES/XRES, CK, IK, Kc and AK respectively, to be used in the authentication and key agreement procedure.

#### Step 1:

XOR to the challenge **RAND**, a predefined number **K** (in which at least one bit is not zero, see clause 8.2), having the same bit length (128 bits) as **RAND**.

The result **XDOUT** of this is:

```
XDOUT[bits 0,1, ... 126,127] = K [bits 0,1, ... 126,127] XOR RAND[bits 0,1, ... 126,127]
```

#### Step 2:

**RES** (test USIM), **XRES** (SS), **CK**, **IK** and **AK** are extracted from **XDOUT** this way:

```
\textbf{RES}[bits \ 0,1,\dots n-1,n] \hspace{0.5cm} = \hspace{0.5cm} \textbf{f2}(\textbf{XDOUT},n) \hspace{0.5cm} = \hspace{0.5cm} \textbf{XDOUT}[bits \ 0,1,\dots n-1,n] \hspace{0.5cm} (with \ 30 < n < 128)
```

NOTE: Suggested length for RES is 128 bits (i.e. n = 127). In SS and AUC, the XRES calculation is identical to RES.

```
CK[bits 0,1,...126,127] = f3(XDOUT) = XDOUT[bits 8,9,...126,127,0,1,...6,7]
IK[bits 0,1,...126,127] = f4(XDOUT) = XDOUT[bits 16,17,...126,127,0,1,...14,15]
AK[bits 0,1,...46,47] = f4(XDOUT) = XDOUT[bits 24,25,...70,71]
```

For test USIM intended for inter-RAT testing the GSM ciphering key Kc shall be derived from the UMTS cipher/integrity keys:

```
Kc[bits 0,1,...62,63] = c3(CK,IK), see 3GPP TS 33.102 [24], clause 6.8.1.2.
```

#### Step 3:

Concatenate SQN with AMF to obtain CDOUT like this:

```
CDOUT[bits 0,1,...62,63] = SQN[bits 0,1,...46,47] \parallel AMF[bits 0,1,...14,15]
```

NOTE: For test USIM the  $\mathbf{SQN} = \mathbf{SQN_{MS}} = \mathbf{SQN_{SS}}[\text{bits } 0,1,\dots46,47] = \mathbf{AUTN}[\text{bits } 0,1,\dots46,47] \text{ XOR } \mathbf{AK}[\text{bits } 0,1,\dots46,47] \text{ where AUTN is the received authentication token.}$ 

#### Step 4:

XMAC (test USIM) and MAC (SS) are calculated from XDOUT and CDOUT this way:

```
XMAC[bits 0,1, \dots 62, 63] = \mathbf{f1}(\mathbf{XDOUT}, \mathbf{CDOUT}) = \mathbf{XDOUT}[\text{bits } 0,1, \dots 62, 63] XOR \mathbf{CDOUT}[\text{bits } 0,1, \dots 62, 63]
```

NOTE: In SS and AUC, the MAC calculation is identical to XMAC.

#### Step 5:

The SS calculates the authentication token AUTN:

**AUTN**[bits 0,1,...126,127] = **SQN** 
$$\oplus$$
 **AK**[bits 0,1,...46,47] || **AMF**[bits 0,1,...14,15] || **MAC**[bits 0,1,...62, 63] Where **SQN**  $\oplus$  **AK**[bits 0,1,...46,47] = **SQN**[bits 0,1,...46,47] XOR **AK**[bits 0,1,...46,47]

#### 8.1.2.2 Generation of re-synchronization parameters in the USIM

For SS to be able to initiate an authentication re-synchronization procedure a specific AMF value has been defined.

$$AMF_{RESYNCH} = AMF[bits 0,1,..14,15] = "1111 1111 1111 1111"$$

When the test USIM receives an authentication token (AUTN) having the value of AMF field equal to the AMF<sub>RESYNCH</sub> value then the test USIM shall initiate the re-synchronization procedure.

When the test USIM starts the re-synchronization procedure, the MAC-S and AK have to be calculated using the functions f1\* and f5\*, which in the test algorithm are identical to f1 and f5, respectively.

#### Step 1:

XOR to the challenge **RAND**, a predefined number **K** (in which at least one bit is not zero, see 8.2), having the same bit length (128 bits) as **RAND**.

The result **XDOUT** of this is:

**XDOUT**[bits 
$$0,1, \dots 126,127$$
] = **K**[bits  $0,1, \dots 126,127$ ] XOR **RAND**[bits  $0,1, \dots 126,127$ ]

#### Step 2:

**AK** is extracted from **XDOUT** this way:

$$AK[bits 0,1,...46,47] = f5*(XDOUT) = XDOUT[bits 24,25,...70,71]$$

#### Step 3:

Concatenate SQN<sub>MS</sub> with AMF\* to obtain CDOUT like this:

**CDOUT**[bits 0,1,...62,63] = 
$$SQN_{MS}$$
[bits 0,1,...46,47] ||  $AMF*$ [bits 0,1,...14,15]

Where **AMF\*** assumes a dummy value of all zeros.

NOTE 1: For test USIM the  $\mathbf{SQN_{MS}} = \mathbf{SQN_{SS}}[$ bits 0,1,...46,47] =  $\mathbf{AUTN}[$ bits 0,1,...46,47] XOR  $\mathbf{AK}[$ bits 0,1,...46,47] where AUTN is the received authentication token.

NOTE 2: For SS and AUC the  $\mathbf{SQN_{MS}} = \mathbf{AUTS}[\text{bits } 0,1,\dots46,47] \text{ XOR } \mathbf{AK}[\text{bits } 0,1,\dots46,47] \text{ where AUTS is the received re-synchronization parameter.}$ 

#### Step 4:

MAC-S is calculated from XDOUT and CDOUT this way:

```
MAC-S[bits 0,1,...62, 63] = f1*(XDOUT, CDOUT) = XDOUT[bits 0,1...62,63] XOR CDOUT[bits 0,1,...62,63]
```

NOTE: In SS and AUC, the XMAC-S calculation is identical to MAC-S.

#### Step 5:

The test USIM calculates the re-synchronization parameter **AUTS**:

**AUTS**[bits 0,1,..110,111] = 
$$\mathbf{SQN_{MS}} \oplus \mathbf{AK}$$
[bits 0,1,...46,47] || **MAC-S**[bits 0,1,...62, 63]  
Where  $\mathbf{SQN_{MS}} \oplus \mathbf{AK}$ [bits 0,1,...46,47] =  $\mathbf{SQN_{MS}}$  [bits 0,1,...46,47] XOR  $\mathbf{AK}$ [bits 0,1,...46,47]

# 8.1.2.3 Using the authentication test algorithm for UE conformance testing

#### 8.1.2.3.1 Authentication accept case

The authentication accept case is illustrated in figures 8.1.2.3.1 and 8.1.2.3.2.

The SS calculates the authentication token AUTN according to the test algorithm as specified in clause 8.1.2.1 (step 1 to step 5) using an AMF value different from the AMF<sub>RESYNCH</sub> value.

The SS sends an authentication request, including RAND and AUTN parameters, to the ME/USIM.

Based on the received RAND parameter the test USIM calculates the RES, CK, IK, Kc and XMAC parameters according to clause 8.1.2.1 (step 1 to step 4). The test USIM extracts the  $SQN_{MS} = SQN_{SS}$ , AMF and MAC parameters from the received authentication token AUTN.

The test USIM checks that XMAC = MAC and then return the RES, CK and IK parameters to the ME.

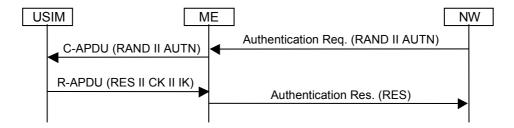


Figure 8.1.2.3.1: Network accepted by UE (USIM not supporting derivation of GSM cipher key Kc)

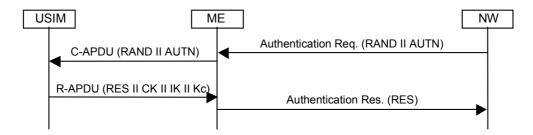


Figure 8.1.2.3.2: Network accepted by UE (USIM supporting derivation of GSM cipher key Kc)

#### 8.1.2.3.2 MAC failure case

The MAC failure case is illustrated in figure 8.1.2.3.2.

The SS calculates the authentication token AUTN according to the test algorithm as specified in clause 8.1.2.1 (step 1 to step 5) using an AMF value different from the AMF<sub>RESYNCH</sub> value and a MAC value different from what is calculated in clause 8.1.2.1 step 4.

The SS sends an authentication request, including RAND and AUTN parameters, to the ME/USIM.

Based on the received RAND parameter The test USIM calculates the RES, CK, IK, Kc and XMAC parameters according to clause 8.1.2.1 (step 1 to step 4).

The test USIM extracts the  $SQN_{MS} = SQN_{SS}$ , AMF and MAC parameters from the received authentication token AUTN.

When the test USIM identifies that the calculated XMAC value is different from the MAC value received in AUTN then the USIM notifies the ME of the MAC failure and the ME sends an AUTENTICATION FAILURE message to the SS (cause "MAC failure").

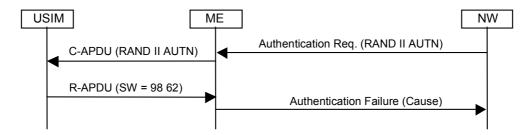


Figure 8.1.2.3.2: MAC failure cases

#### 8.1.2.3.3 SQN failure case

The SQN failure case is illustrated in figure 8.1.2.3.3.

The SS calculates the authentication token AUTN according to the test algorithm as specified in clause 8.1.2.1 (step 1 to step 5) using an AMF value equal to  $AMF_{RESYNCH}$ .

The SS sends an authentication request, including RAND and AUTN parameters, to the UE/USIM.

The test USIM extracts the  $SQN_{MS} = SQN_{SS}$ , AMF and MAC parameters from the received authentication token AUTN.

When the test USIM identifies that the AMF field is equal to the AMF<sub>RESYNCH</sub> value it calculates the resynchronization parameter AUTS as specified in clause 8.1.2.2 (step 1 to step 5) and forward it to the ME.

The ME sends an AUTHENTICATION FAILURE message to the SS including the AUTS parameter.

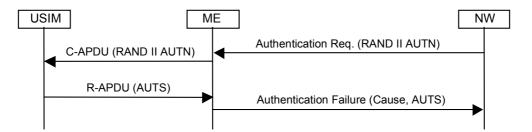


Figure 8.1.2.3.3: SQN failure case

# 8.2 Default Parameters for the test USIM

K:

Size: 16 Bytes

Default values: Bytes 1 (HEX): 00

Bytes 2 (HEX): 01

Bytes 3 (HEX): 02

Bytes 4 (HEX): 03

Bytes 5 (HEX): 04

Bytes 6 (HEX): 05

Bytes 7 (HEX): 06

Bytes 8 (HEX): 07

Bytes 9 (HEX): 08

Bytes 10 (HEX): 09

Bytes 11 (HEX): 0A

Bytes 12 (HEX): 0B

Bytes 13 (HEX): 0C

Bytes 14 (HEX): 0D

Bytes 15 (HEX): 0E

Bytes 16 (HEX): 0F

#### PIN Disabling:

The PIN enabled / disabled flag will be set to "PIN Disabled". This ensures that when the Test USIM is inserted into a UE the user will not be prompted for PIN entry.

# 8.3 Default settings for the Elementary Files (EFs)

The format and coding of elementary files of the USIM are defined in 3GPP TS 31.101 [22] and 3GPP TS 31.102 [23]. The following clauses define the default parameters to be programmed into each elementary file. Some files may be updated by the UE based on information received from the SS. These are identified in the following clauses.

If EFs have an unassigned value, it may not be clear from the main text what this value should be. This clause suggests values in these cases.

#### 8.3.1 Contents of the EFs at the MF level

#### 8.3.1.1 EF<sub>DIR</sub>

## 8.3.1.2 EF<sub>ICCID</sub> (ICC Identity)

The programming of this EF is a test house option.

#### 8.3.1.3 EF<sub>PI</sub> (Preferred Languages)

The programming of this EF follows default parameter written in 3GPP TS 31.102 [23], annex E.

#### 8.3.1.4 EF<sub>ARR</sub> (Access rule reference)

The programming of this EF is a test house option.

# 8.3.2 Contents of files at the USIM ADF (Application DF) level

#### 8.3.2.1 $EF_{II}$ (Language Indication)

The programming of this EF follows default parameter written in 3GPP TS 31.102 [23], annex E.

## 8.3.2.2 EF<sub>IMSI</sub> (IMSI)

The IMSI value will be chosen by the test house. The IMSI used by the SS will align this value.

File size: 9 bytes

Default values: Byte 1 (DEC): 8

Bytes 2 to 9 (HEX): 09 10 10 \*\* \*\* \*\* \*\*

"\*" indicates any number between 0 and 9 subject to the restriction that IMSI mod 1000 (i.e. bytes 7, 8 and 9) lies in one of the following ranges:

• 063 to 125, 189 to 251, 315 to 377, 441 to 503, 567 to 629, 693 to 755, 819 to 881 or 945 to 999.

NOTE: This ensures that the UE can listen to the second CCCH when more than one basic physical channel is configured for the CCCH. This is necessary for the test of "paging re-organization".

# 8.3.2.3 EF<sub>Kevs</sub> (Ciphering and Integrity Keys)

The programming of this EF follows default parameter written in 3GPP TS 31.102 [23], annex E.

# 8.3.2.4 EF<sub>KevsPS</sub> (Ciphering and Integrity Keys for Packet Switched domain)

The programming of this EF follows default parameter written in 3GPP TS 31.102 [23], annex E.

# 8.3.2.5 EF<sub>PLMNwAcT</sub> (User controlled PLMN selector with Access Technology)

File size: 5n bytes

Default values (HEX): Bytes 1 to 3: 32 F4 10 (MCC, MNC) - Translates to 234, 01

Bytes 4 to 5: 80 00 (Access Technology) - Translates to UTRAN

Bytes 6 to 8: 32 F4 20 (MCC, MNC)

Bytes 9 to 10: 80 00 (Access Technology)

Bytes 11 to 13: 32 F4 30 (MCC, MNC)

....

••••

....

Bytes(5n-4) to (5n-2): 32 F4 43 (MCC, MNC)

Bytes (5n-1) to 5n: 80 00 (Access Technology)

PLMNs are shown coded above since this is the largest number required for a test. It is necessary to take this into account since the USIM cards must be dimensioned to cope with this number of records.

# 8.3.2.6 EF<sub>HPPLMN</sub> (<u>Higher Priority PLMN search period</u>)

File size: 1 byte

Default value (HEX): 00 (No higher priority PLMN search attempts no HPLMN search attempts)

#### 8.3.2.7 EF<sub>ACMmax</sub> (ACM maximum value)

File size: 3 bytes

Default: Byte 1: 00

Byte 2: 00

Byte 3: 00

The above translates to: "Not valid".

# 8.3.2.8 EF<sub>UST</sub> (USIM Service Table)

Services will be allocated and activated as follows.

Services		Activated
Service n°1:	Local Phone Book	Option
Service n°2 :	Fixed Dialling Numbers (FDN)	Option
Service n°3:	Extension 2	Option
Service n°4 :	Service Dialling Numbers (SDN)	Option
Service n°5 :	Extension3	Option
Service n°6 :	Barred Dialling Numbers (BDN)	Option
Service n°7:	Extension4	Option
Service n°8 :	Outgoing Call Information (OCI and OCT)	Option
Service n°9:	Incoming Call Information (ICI and ICT)	Option
Service n°10:	Short Message Storage (SMS)	Yes
Service n°11:	Short Message Status Reports (SMSR)	Option
Service n°12:	Short Message Service Parameters (SMSP)	Yes
Service n°13:	Advice of Charge (AoC)	Yes
Service n°14:	Capability Configuration Parameters (CCP)	Yes
Service n°15:	Cell Broadcast Message Identifier	Yes
Service n°16:	Cell Broadcast Message Identifier Ranges	Yes
Service n°17:	Group Identifier Level 1	Option
Service n°18:	Group Identifier Level 2	Option
Service n°19:	Service Provider Name	Option
Service n°20:	User controlled PLMN selector with Access Technology	Yes
Service n°21:	MSISDN	Option
Service n°22:	Image (IMG)	Option
Service n°23:	Not used (reserved for SoLSA)	No
Service n°24:	Enhanced Multi-Level Precedence and Pre-emption Service	Option
Service n°25:	Automatic Answer for Emlpp	Option
Service n°26:	RFU	No
Service n°27:	GSM Access	Yes
Service n°28:	Data download via SMS-PP	Option
Service n°29:	Data download via SMS-CB	Option
Service n°30:	Call Control by USIM	Option
Service n°31:	MO-SMS Control by USIM	Option
Service n°32:	RUN AT COMMAND command	Option
Service n°33:	Packet Switched Domain	Yes
Service n°34:	Enabled Services Table	Yes
Service n°35:	APN Control List (ACL)	Option
Service n°36:	Depersonalization Control Keys	Option
Service n°37:	Co-operative Network List	Option
Service n°38:	GSM security context	Yes
Service n°39:	CPBCCH Information	Yes
Service n°40:	Investigation Scan	Yes
Service n°41:	MEXE	Option
Service n°42	Operator controlled PLMN selector with Access Technology	Yes
Service n°43	HPLMN selector with Access Technology	Yes
Service n°44	Extension 5	Option
Service n°45	PLMN Network Name	Option
Service n°46	Operator PLMN List	Option Option
Service n°47	Mailbox Dialling Numbers  Macagaga Weiting Indication Status	Option
Service n°48	Message Waiting Indication Status	Option Option
Service n°49 Service n°50	Call Forwarding Indication Status	Option Option
	Reserved and shall be ignored Sorvice Provider Display Information	Option Option
Service n°51	Service Provider Display Information  Multimodia Massaging Service (MMS)	Option Option
Service n°52	Multimedia Messaging Service (MMS)	Option Option
Service n°53	Extension 8  Call control on CRPS by USIM	Option Option
Service n°54	Call control on GPRS by USIM  MMS Liver Connectivity Personators	Option Option
Service n°55	MMS User Connectivity Parameters  Network's indication of electing in the MS (NIA)	Option Option
Service n°56	Network's indication of alerting in the MS (NIA)	Option
Service n°57	VGCS Group Identifier List (EF <sub>VGCS</sub> and EF <sub>VGCSS</sub> )	<u>Option</u>

Services		Activated
Service n°58	VBS Group Identifier List (EF <sub>VBS</sub> and EF <sub>VBSS</sub> )	<u>Option</u>

# 8.3.2.9 EF<sub>ACM</sub> (Accumulated Call Meter)

File size: 3 bytes

Default: Byte 1: 00

Byte 2: 00

Byte 3: 00

The above translates to: "Not yet implemented".

#### 8.3.2.10 EF<sub>GID1</sub> (Group Identifier Level 1)

The programming of this EF is a test house option.

#### 8.3.2.11 EF<sub>GID2</sub> (Group Identifier Level 2)

The programming of this EF is a test house option.

#### 8.3.2.12 EF<sub>SPN</sub> (Service Provider Name)

The programming of this EF is a test house option.

#### 8.3.2.13 EF<sub>PUCT</sub> (Price per Unit and Currency Table)

The programming of this EF follows default parameter written in 3GPP TS 31.102 [23], annex E.

## 8.3.2.14 EF<sub>CBMI</sub> (Cell Broadcast Message identifier selection)

The programming of this EF is a test house option.

The file size is 2n bytes, where n is the number of Cell broadcast message identifier records - each record defining a type of Cell Broadcast message which may be accessed by the UE. Care should be taken when dimensioning the USIM to take into account the number of Cell Broadcast message identifier records required.

#### 8.3.2.15 EF<sub>ACC</sub> (Access Control Class)

The EFACC can be selected by a test house in two types.

Type A;

File size: 2 Bytes

Default values (BIN): Byte 1: 000000\*\*

Byte 2: \*\*\*\*\*\*

The test house may set any single bit shown by "\*" to "1". All remaining bits of byte 2 will be set to "0". This determines the access control class of the USIM.

Type B;

Default values (BIN): Byte 1: 111110\*\*

Byte 2: \*\*\*\*\*\*

The test house may set any single bit shown by "\*" to "1". All remaining bits of byte 2 will be set to "0". This determines the access control class of the USIM.

## 8.3.2.16 EF<sub>FPLMN</sub> (Forbidden PLMNs)

The programming of this EF follows default parameter written in 3GPP TS 31.102 [23], annex E.

# 8.3.2.17 EF<sub>LOCI</sub> (Location Information)

File size: 11 Bytes

Default values: Bytes 1 to 4 (HEX): FF FF FF (TMSI)

Bytes 5 to 9 (HEX): 42 F6 18 FF FE (LAI)

Byte 10 (HEX): FF (RFU)

Byte 11 (BIN): 00000001 (Location Update Status = "not updated")

Bytes 5 to 9: LAI-MCC = 246 (bytes 5 to 6) and LAI-MNC = 81 (byte 7) are frequently used. The LAC (bytes 8 to 9) is set to "FF FE" since this, in conjunction with byte 11 setting of "01", is used to ensure that the UE performs a location update at the beginning of a test.

Bytes in this file (e.g. TMSI in bytes 1 to 4) may be updated as a result of a location update attempt by the UE.

#### 8.3.2.18 EF<sub>AD</sub> (Administrative Data)

File size: 4 bytes

Default values Byte 1: 10000000 - (type approval operations)

Byte 2: 000000000

Byte 3: 000000000

Byte 4: 00000010

# 8.3.2.19 Void

# 8.3.2.20 EF<sub>CBMID</sub> (Cell Broadcast Message Identifier for Data Download)

The programming of this EF follows default parameter written in 3GPP TS 31.102 [23], annex E.

## 8.3.2.21 EF<sub>FCC</sub> (Emergency Call Codes)

The programming of this EF is a test house option.

#### 8.3.2.22 EF<sub>CBMIR</sub> (Cell Broadcast Message Identifier Range selection)

The programming of this EF follows default parameter written in 3GPP TS 31.102 [23], annex E.

#### 8.3.2.23 EF<sub>PSI OCI</sub> (Packet Switched location information)

File size: 14 Bytes

Default values: Bytes 1 to 4 (HEX): FF FF FF (P-TMSI)

Bytes 5 to 7 (HEX): FF FF FF (P-TMSI signature value)

Bytes 8 to 13 (HEX): 42 F6 18 FF FE FF (RAI)

Byte 14 (BIN): 00000001 (Routing Area update status = "not updated")

Bytes 8 to 13: RAI-MCC = 246 (bytes 8 to 9) and RAI-MNC = 81 (byte 10) are frequently used. The LAC (bytes 11 to 12) is set to "FF FE" since this, in conjunction with byte 14 setting of "01", is used to ensure that the UE performs a location update at the beginning of a test.

Bytes in this file (e.g. P-TMSI in bytes 1 to 4) may be updated as a result of a location update attempt by the UE.

#### 8.3.2.24 EF<sub>FDN</sub> (Fixed Dialling Numbers)

The programming of this EF follows default parameter written in 3GPP TS 31.102 [23], annex E.

# 8.3.2.25 EF<sub>SMS</sub> (Short messages)

The programming of this EF follows default parameter written in 3GPP TS 31.102 [23], annex E.

## 8.3.2.26 EF<sub>MSISDN</sub> (MSISDN)

The programming of this EF follows default parameter written in 3GPP TS 31.102 [23], annex E.

#### 8.3.2.27 EF<sub>SMSP</sub> (Short message service parameters)

The programming of this EF follows default parameter written in 3GPP TS 31.102 [23], annex E.

# 8.3.2.28 EF<sub>SMSS</sub> (SMS status)

The programming of this EF follows default parameter written in 3GPP TS 31.102 [23], annex E.

#### 8.3.2.29 EF<sub>SDN</sub> (Service Dialling Numbers)

The programming of this EF follows default parameter written in 3GPP TS 31.102 [23], annex E.

#### 8.3.2.30 $EF_{EXT2}$ (Extension2)

The programming of this EF follows default parameter written in 3GPP TS 31.102 [23], annex E.

#### 8.3.2.31 $EF_{EXT3}$ (Extension3)

The programming of this EF follows default parameter written in 3GPP TS 31.102 [23], annex E.

## 8.3.2.32 EF<sub>SMSR</sub> (Short message status reports)

The programming of this EF follows default parameter written in 3GPP TS 31.102 [23], annex E.

### 8.3.2.33 EF<sub>ICI</sub> (Incoming Call Information)

The programming of this EF follows default parameter written in 3GPP TS 31.102 [23], annex E.

#### 8.3.2.34 EF<sub>OCI</sub> (Outgoing Call Information)

The programming of this EF follows default parameter written in 3GPP TS 31.102 [23], annex E.

#### 8.3.2.35 EF<sub>ICT</sub> (Incoming Call Timer)

The programming of this EF follows default parameter written in 3GPP TS 31.102 [23], annex E.

#### 8.3.2.36 EF<sub>OCT</sub> (Outgoing Call Timer)

The programming of this EF follows default parameter written in 3GPP TS 31.102 [23], annex E.

# 8.3.2.37 $EF_{EXT5}$ (Extension5)

The programming of this EF follows default parameter written in 3GPP TS 31.102 [23], annex E.

## 8.3.2.38 EF<sub>CCP2</sub> (Capability Configuration Parameters 2)

The programming of this EF follows default parameter written in 3GPP TS 31.102 [23], annex E.

# 8.3.2.39 EF<sub>eMLPP</sub> (enhanced Multi Level Precedence and Pre-emption)

The programming of this EF is a test house option.

## 8.3.2.40 EF<sub>AAeM</sub> (Automatic Answer for eMLPP Service)

The programming of this EF follows default parameter written in 3GPP TS 31.102 [23], annex E.

# 8.3.2.41 EF<sub>GMSI</sub> (Group Identity) Void

This clause is expected to be defined in the release 2000 version of the present document.

# 8.3.2.42 EF<sub>Hiddenkev</sub> (Key for hidden phone book entries)

The programming of this EF follows default parameter written in 3GPP TS 31.102 [23], annex E.

#### 8.3.2.43 Void

## 8.3.2.44 EF<sub>BDN</sub> (Barred dialling numbers)

The programming of this EF follows default parameter written in 3GPP TS 31.102 [23], annex E.

# 8.3.2.45 $EF_{EXT4}$ (Extension 4)

The programming of this EF follows default parameter written in 3GPP TS 31.102 [23], annex E.

#### 8.3.2.46 EF<sub>CMI</sub> (Comparison method information)

The programming of this EF follows default parameter written in 3GPP TS 31.102 [23], annex E.

#### 8.3.2.47 EF<sub>EST</sub> (Enabled service table)

The programming of this EF is a test house option.

#### 8.3.2.48 EF<sub>ACL</sub> (Access point name control list)

The programming of this EF follows default parameter written in 3GPP TS 31.102 [23], annex E.

#### 8.3.2.49 EF<sub>DCK</sub> (Depersonalization control keys)

The programming of this EF follows default parameter written in 3GPP TS 31.102 [23], annex E.

#### 8.3.2.50 EF<sub>CNL</sub> (Co-operative network list)

The programming of this EF follows default parameter written in 3GPP TS 31.102 [23], annex E.

#### 8.3.2.51 EF<sub>START-HFN</sub> (Initialisation values for Hyperframe number)

The programming of this EF follows default parameter written in 3GPP TS 31.102 [23], annex E.

#### 8.3.2.52 EF<sub>THRESHOLD</sub> (Maximum value of START)

The programming of this EF is a test house option.

8.3.2.53 EF<sub>OPLMNwACTOPLMNsel</sub> (Operator controlled PLMN selector with Access TechnologyOPLMN selector)

The programming of this EF follows default parameter written in 3GPP TS 31.102 [23], annex E.

8.3.2.54 EF<sub>HPLMNWAcTPHPLMNAT</sub> (HPLMN selector with Access TechnologyPreferred HPLMN Access Technology)

The programming of this EF follows default parameter written in 3GPP TS 31.102 [23], annex E.

8.3.2.55 EF<sub>ARR</sub> (Access rule reference)

The programming of this EF is a test house option.

8.3.2.56 Void

8.3.2.57 EF<sub>NETPAR</sub> (Network Parameters)

The programming of this EF follows default parameter written in 3GPP TS 31.102 [23], annex E.

8.3.2.58 EF<sub>PNN</sub> (PLMN Network Name)

The programming of this EF follows default parameter written in 3GPP TS 31.102 [23], annex E.

8.3.2.59 EF<sub>OPL</sub> (Operator PLMN List)

The programming of this EF follows default parameter written in 3GPP TS 31.102 [23], annex E.

8.3.2.60 EF<sub>MBDN</sub> (Mailbox Dialling Numbers)

The programming of this EF follows default parameter written in 3GPP TS 31.102 [23], annex E.

8.3.2.61  $EF_{EXT6}$  (Extension6)

The programming of this EF follows default parameter written in 3GPP TS 31.102 [23], annex E.

8.3.2.62 EF<sub>MBI</sub> (Mailbox Identifier)

The programming of this EF follows default parameter written in 3GPP TS 31.102 [23], annex E.

8.3.2.63 EF<sub>MWIS</sub> (Message Waiting Indication Status)

The programming of this EF follows default parameter written in 3GPP TS 31.102 [23], annex E.

8.3.2.64 EF<sub>CFIS</sub> (Call Forwarding Indication Status)

The programming of this EF follows default parameter written in 3GPP TS 31.102 [23], annex E.

8.3.2.65  $EF_{EXT7}$  (Extension7)

The programming of this EF follows default parameter written in 3GPP TS 31.102 [23], annex E.

8.3.2.66 EF<sub>SPDI</sub> (Service Provider Display Information)

The programming of this EF follows default parameter written in 3GPP TS 31.102 [23], annex E.

8.3.2.67 EF<sub>MMSN</sub> (MMS Notification)

The programming of this EF follows default parameter written in 3GPP TS 31.102 [23], annex E.

8.3.2.68 EF<sub>EXT8</sub> (Extension 8)

The programming of this EF follows default parameter written in 3GPP TS 31.102 [23], annex E.

8.3.2.69 EF<sub>MMSICP</sub> (MMS Issuer Connectivity Parameters)

The programming of this EF follows default parameter written in 3GPP TS 31.102 [23], annex E.

8.3.2.70 EF<sub>MMSUP</sub> (MMS User Preferences)

The programming of this EF follows default parameter written in 3GPP TS 31.102 [23], annex E.

8.3.2.71 EF<sub>MMSUCP</sub> (MMS User Connectivity Parameters)

The programming of this EF follows default parameter written in 3GPP TS 31.102 [23], annex E.

8.3.2.72 EF<sub>NIA</sub> (Network's Indication of Alerting)

The programming of this EF follows default parameter written in 3GPP TS 31.102 [23], annex E.

8.3.2.73 EF<sub>VGCS</sub> (Voice Group Call Service)

The programming of this EF follows default parameter written in 3GPP TS 31.102 [23], annex E.

8.3.2.74 EF<sub>VGCSS</sub> (Voice Group Call Service Status)

The programming of this EF follows default parameter written in 3GPP TS 31.102 [23], annex E.

8.3.2.75 EF<sub>VBS</sub> (Voice Broadcast Service)

The programming of this EF follows default parameter written in 3GPP TS 31.102 [23], annex E.

8.3.2.76 EF<sub>VBSS</sub> (Voice Broadcast Service Status)

The programming of this EF follows default parameter written in 3GPP TS 31.102 [23], annex E.

# 8.3.3 Contents of DFs at the USIM ADF (Application DF) level

8.3.3.1 Contents of files at the USIM SoLSA level

8.3.3.1.1 EF<sub>SAI</sub> (SoLSA Access Indicator)

The programming of this EF follows default parameter written in 3GPP TS 31.102 [23], annex E. This clause is expected to be defined in the release 2000 version of the present document.

8.3.3.1.2  $EF_{SLL}$  (SoLSA LSA List)

The programming of this EF follows default parameter written in 3GPP TS 31.102 [23], annex E. This clause is expected to be defined in the release 2000 version of the present document.

8.3.3.1.3 LSA Descriptor files

The programming of this EF follows default parameter written in 3GPP TS 31.102 [23], annex E. This clause is expected to be defined in the release 2000 version of the present document.

#### 8.3.3.1.4 Contents of files at the MExE level

#### 8.3.3.1.4.1 EF<sub>MExE-ST</sub> (MExE Service table)

The programming of this EF follows default parameter written in 3GPP TS 31.102 [23], annex E.

#### 8.3.3.1.4.2 EF<sub>ORPK</sub> (Operator Root Public Key)

The programming of this EF follows default parameter written in 3GPP TS 31.102 [23], annex E.

#### 8.3.3.1.4.3 EF<sub>ARPK</sub> (Administrator Root Public Key)

The programming of this EF follows default parameter written in 3GPP TS 31.102 [23], annex E.

#### 8.3.3.1.4.4 EF<sub>TPRPK</sub> (Third Party Root Public Key)

The programming of this EF follows default parameter written in 3GPP TS 31.102 [23], annex E.

#### 8.3.3.1.4.5 EF<sub>TKCDF</sub> (Trusted Key/Certificates Data Files)

The programming of this EF follows default parameter written in 3GPP TS 31.102 [23], annex E.

#### 8.3.3.2 Contents of files at the DF PHONEBOOK level

#### 8.3.3.2.1 EF<sub>PBR</sub> (Phone Book Reference file)

The programming of this EF is a test house option.

#### 8.3.3.2.2 EF<sub>IAP</sub> (Index Administration Phone book)

The programming of this EF follows default parameter written in 3GPP TS 31.102 [23], annex E.

#### 8.3.3.2.3 EF<sub>ADN</sub> (Abbreviated dialling numbers)

The programming of this EF follows default parameter written in 3GPP TS 31.102 [23], annex E.

# 8.3.3.2.4 EF<sub>EXT1</sub> (Extension1)

The programming of this EF follows default parameter written in 3GPP TS 31.102 [23], annex E.

#### 8.3.3.2.5 EF<sub>PBC</sub> (Phone Book Control)

The programming of this EF follows default parameter written in 3GPP TS 31.102 [23], annex E.

#### 8.3.3.2.6 EF<sub>GRP</sub> (Grouping file)

The programming of this EF follows default parameter written in 3GPP TS 31.102 [23], annex E.

#### 8.3.3.2.7 EF<sub>AAS</sub> (Additional number Alpha String)

The programming of this EF follows default parameter written in 3GPP TS 31.102 [23], annex E.

# 8.3.3.2.8 EF<sub>GAS</sub> (Grouping information Alpha String)

The programming of this EF follows default parameter written in 3GPP TS 31.102 [23], annex E.

8.3.3.2.9 EF<sub>ANR</sub> (Additional Number)

The programming of this EF follows default parameter written in 3GPP TS 31.102 [23], annex E.

8.3.3.2.10 EF<sub>SNE</sub> (Second Name Entry)

The programming of this EF follows default parameter written in 3GPP TS 31.102 [23], annex E.

8.3.3.2.11 EF<sub>CCP1</sub> (Capability Configuration Parameters 1)

The programming of this EF follows default parameter written in 3GPP TS 31.102 [23], annex E.

8.3.3.2.12 Phone Book Synchronization

8.3.3.2.12.1 EF<sub>UID</sub> (Unique Identifier)

The programming of this EF follows default parameter written in 3GPP TS 31.102 [23], annex E.

8.3.3.2.12.2 EF<sub>PSC</sub> (Phone book Synchronization Counter)

The programming of this EF follows default parameter written in 3GPP TS 31.102 [23], annex E.

8.3.3.2.12.3 EF<sub>CC</sub> (Change Counter)

The programming of this EF follows default parameter written in 3GPP TS 31.102 [23], annex E.

8.3.3.2.12.4 EF<sub>PUID</sub> (Previous Unique Identifier)

The programming of this EF follows default parameter written in 3GPP TS 31.102 [23], annex E.

8.3.3.2.13 EF<sub>FMAII</sub> (e-mail address)

The programming of this EF follows default parameter written in 3GPP TS 31.102 [23], annex E.

8.3.3.3 Contents of files at the DF GSM<u>-ACCESS</u> level (Files required for GSM Access)

8.3.3.3.1 EF<sub>Kc</sub> (GSM Ciphering key Kc)

File size: 9 Bytes

Default values (HEX): Bytes 1 to 8: Align with Kc used by SS

Byte 9: 07

Byte 9 is set to 07 to indicate that there is no key available at the start of a test.

The bytes within this elementary file may be updated by the UE as a result of a successful authentication attempt.

8.3.3.3.2 EF<sub>KcGPRS</sub> (GPRS Ciphering key KcGPRS)

The programming of this EF follows default parameter written in 3GPP TS 31.102 [23], annex E.

8.3.3.3.3 Void

8.3.3.3.4 EF<sub>CPBCCH</sub> (CPBCCH Information)

The programming of this EF follows default parameter written in 3GPP TS 31.102 [23], annex E.

# 8.3.3.5 EF<sub>InvScan</sub> (Investigation Scan)

The programming of this EF follows default parameter.

#### 8.3.4 Contents of EFs at the TELECOM level

# 8.3.4.1 EF<sub>ADN</sub> (Abbreviated dialling numbers)

The programming of this EF is a test house option. It should be noted that sufficient space should be provided on the USIM card for 101 records.

# 8.3.4.2 $EF_{EXT1}$ (Extension1)

The programming of this EF follows default parameter written in 3GPP TS 31.102 [23], annex E.

# 8.3.4.3 EF<sub>ECCP</sub> (Extended Capability Configuration Parameter)

The programming of this EF is a test house option.

### 8.3.4.4 EF<sub>SUMF</sub> (SetUpMenu Elements)

The programming of this EF is a test house option.

## 8.3.4.5 EF<sub>ARR</sub> (Access rule reference)

The programming of this EF follows default parameter written in 3GPP TS 31.102 [23], annex E.

# 8.3.5 Contents of DFs at the TELECOM level

### 8.3.5.1 Contents of files at the DF<sub>GRAPHICS</sub> level

#### 8.3.5.1.1 $EF_{IMG}$ (Image)

The programming of this EF follows default parameter written in 3GPP TS 31.102 [23], annex E.

#### 8.3.5.1.2 Image Instance Data Files

The programming of this EF follows default parameter written in 3GPP TS 31.102 [23], annex E.

## 8.3.5.2 Contents of files at the DF<sub>PHONEBOOK</sub> under the DF<sub>TELECOM</sub>

The programming of this EF is a test house option.

<END OF MODIFIED SECTION>

# 3GPP TSG-RAN WG5 Meeting #27 Bath, UK, APR 25<sup>th</sup>-29<sup>th</sup>, 2005

CHANGE REQUEST					
<b>3</b>	4.108 CR 413	mev - m	Current version: 5.4.0	<b>)</b> [X]	
For <u>HELP</u> on using	g this form, see bottom of this	s page or look at the	pop-up text over the	ymbols.	
Proposed change affe	e <b>cts:</b> UICC apps <mark>網</mark>	ME X Radio Acc	cess Network Core I	Network	
	R to 34.108 Rel-5: Update o 1.0b	f SIB3, SIB4, SIB11 a	and SIB12 for TDD in sec	ction	
Source: # 30	GPP TSG RAN WG5 (Testin	g)			
Work item code: 第 TI	El		Date:  器 25/04/2005	5	
Dei	e one of the following categories  F (correction)  A (corresponds to a correction  B (addition of feature),  C (functional modification of the distribution of the above found in 3GPP TR 21.900.	s: on in an earlier release) feature)	Release: 無 Rel-5  Use one of the following release 1996 R97 (Release 1996) R98 (Release 1996) R99 (Release 1996) Rel-4 (Release 4) Rel-5 (Release 5) Rel-6 (Release 7)	2) 6) 7) 8)	
Reason for change:	The 'Cell selection and re SIB12 for TDD in section since this IE is mandatory although this IE is not use	6.1.0b is 'no data' va y. So 'CPICH RSCP'	alue now. But a value is r	needed	
Summary of change:	CPICH RSCP' value is a measure' IE in SIB3, SIB	<del>-</del>			
Consequences if not approved:	SIB3, SIB4, SIB11 and S	IB12 for TDD in secti	ion 6.1.0b is not correct.		
Clauses affected:	€ 6.1.0b				
Other specs affected:	Y N  X Other core specifications X O&M Specifications				
Other comments:	€				

#### How to create CRs using this form:

Comprehensive information and tips about how to create CRs can be found at <a href="http://www.3gpp.org/specs/CR.htm">http://www.3gpp.org/specs/CR.htm</a>. 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 <a href="ftp://ftp.3gpp.org/specs/">ftp://ftp.3gpp.org/specs/</a>. 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.

# 6.1.0b Default System Information Block Messages

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<Start of Changed Section>

Contents of System Information Block type 3 (3.84 Mcps TDD and 1.28 Mcps TDD)

- SIB4 Indicator	TRUE
- Cell identity	0000 0000 0000 0000 0000 0000 0001B
- Cell selection and re-selection info	
- Mapping info	Not present
- Cell selection and reselection quality measure	(no data)CPICH RSCP
- CHOICE mode	TDD
- Sintrasearch	10 dB
- Sintersearch	10 dB
- SsearchHCS	Not present
- RAT List	This parameter is configurable
- RAT identifier	GSM
- Ssearch,RAT	-32 dB
- SHCS,RAT	Not present
- Slimit,ShearchRAT	Not Present
- Qrxlevmin	-103 dBm
- Qhyst1s	0 dB
- Treselections	0 seconds
- HCS Serving cell information	Not present
- Maximum allowed UL TX power	30dBm
- Cell Access Restriction	
- Cell barred	Not barred
- Intra-frequency cell re-selection indicator	Not present
- T <sub>barred</sub>	Not present
- Cell Reserved for operator use	Not reserved
- Cell Reservation Extension	Not reserved
- Access Class Barred List	
- Access Class Barred0	Not barred
- Access Class Barred1	Not barred
- Access Class Barred2	Not barred
- Access Class Barred3	Not barred
- Access Class Barred4	Not barred
- Access Class Barred5	Not barred
- Access Class Barred6	Not barred
- Access Class Barred7	Not barred
- Access Class Barred8	Not barred
- Access Class Barred9	Not barred
- Access Class Barred10	Not barred
- Access Class Barred11	Not barred
- Access Class Barred12	Not barred
- Access Class Barred13	Not barred
- Access Class Barred14	Not barred
- Access Class Barred15	Not barred

<End of Changed Section>

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<Start of Changed Section>

Contents of System Information Block type 4 in connected mode (similar to SIB type3) (3.84 Mcps TDD and 1.28 Mcps TDD)

- Cell identity	0000 0000 0000 0000 0000 0000 0001B
- Cell selection and re-selection info	
- Mapping info	Not Present
- Cell selection and reselection quality measure	(no data) CPICH RSCP
- CHOICE mode	TDD
- Sintrasearch	10 dB
- Sintersearch	10 dB
- SsearchHCS	Not present
- RAT List	This parameter is configurable
- RAT identifier	GSM
- Ssearch,RAT	-32 dB
- SHCS,RAT	Not present
- S <sub>limit,ShearchRAT</sub>	Not Present
- Qrxievmin	-103 dBm
- Qhyst1s	0 dB
- Treselections	0 seconds
- HCS Serving cell information	Not present
- Maximum allowed UL TX power	30dBm
- Cell Access Restriction	
- Cell barred	Not barred
- Intra-frequency cell re-selection indicator	Not present
- T <sub>barred</sub>	Not present
- Cell Reserved for operator use	Not reserved
- Cell Reservation Extension	Not reserved
- Access Class Barred List	Not present

<End of Changed Section>

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Start of Changed Section>

Contents of System Information Block type 11 (3.84 Mcps and 1.28 Mcps TDD)

This is the default message content of SIB 11 for cell 1.

See clause 6.1.4 for the difference in message contents of System Information Block type 11 (TDD) for cell 2 to 8.

- SIB 12 Indicator	A1, A2	TRUE
- FACH measurement occasion info		Not Present
- Measurement control system information		
- Use of HCS		Not used
- Cell selection and reselection quality measureCell		(no data)CPICH RSCP
- Intra-frequency measurement system information	A1, A2	
- Intra-frequency measurement identity		Not Present
		Absence of this IE is equivalent to default value 1
- Intra-frequency cell info list		·
- CHOICE intra-frequency cell removal		Not present
		(This IE shall be ignored by the UE for SIB11)
- New intra-frequency cells		
- Intra-frequency cell id		1
- Cell info		
- Cell individual offset		Not present
		Absence of this IE is equivalent to default value 0dB
- Reference time difference to cell		Not Present
- Read SFN Indicator		FALSE
- CHOICE mode		TDD
- Primary CCPCH info		
- Cell parameters ID		Reference clause 6.1.4 Default settings for cell
- Primary CCPCH TX power		Not Present
- Timeslot list		Not Present
- CHOICE TDD option		
- 3.84 Mcps TDD		
- Timeslot number		Not Present

- Burst type		Not Present
- 1.28 Mcps TDD		Not Present
- Timeslot number - Cell Selection and Re-selection info		Not Present Not Present
- Cell Gelection and INE-Selection into		(The IE shall be absent as this is the serving cell)
- Cell for measurement	A1, A2	Not Present
- Intra-frequency measurement quantity	A1, A2	
- Filter coefficient		Not present
CHOICE made		Absence of this IE is equivalent to the default value 0
- CHOICE mode - Measurement quantity list		TDD
- Measurement quantity		P-CCPCH RSCP
- Intra-frequency reporting quantity for RACH		Not Present
Reporting		
- Maximum number of reported cells on RACH		Not Present
Reporting information for state CELL_DCH     Intra-frequency reporting quantity		
- Reporting quantities for active set cells		
- Cell synchronization information reporting		TRUE
indicator		
- Cell identity reporting indicator		TRUE
- CHOICE mode - Timeslot ISCP reporting indicator		TDD FALSE
- Proposed TSGN reporting indicator		FALSE
- P-CCPCH RSCP reporting indicator		TRUE
- Pathloss reporting indicator		FALSE
- Reporting quantities for monitored set cells		
- Cell synchronization information reporting		FALSE
indicator Call identity reporting indicator		TRUE
- Cell identity reporting indicator - CHOICE mode		TDD
- Timeslot ISCP reporting indicator		FALSE
- Proposed TSGN reporting required		FALSE
- P-CCPCH RSCP reporting indicator		TRUE
- Pathloss reporting indicator		FALSE
Reporting quantities for detected set cells     Measurement reporting mode		Not Present
- Measurement Report Transfer Mode		Acknowledged mode RLC
- Periodical Reporting / Event Trigger Reporting		Event trigger
Mode		
-CHOICE report criteria		
- Intra-frequency measurement reporting criteria		
Parameters required for each event     Intra-frequency event identity		10
- Triggering condition1		1g   Not Present
- Triggering condition2		Not Present
- Reporting Range		Not Present
- cells forbidden to affect reporting range		Not Present
- W(optional in case of 1a,1b)		Not Present
- Hysteresis - Threshold used frequency		0.0 Not Present
- Reporting deactivation threshold		3
- Replacement activation threshold		Not Present
- Time to trigger		640
- Amount of reporting		4
- Reporting interval		4000
- Reporting cell status - CHOICE reported cells		Report cell within active set and/or monitored cells on
Onoto Liportou della		used frequency
- Maximum number of reported cells		3
- Inter-frequency measurement system information	A1, A2	
- Inter-frequency cell info list		Matanagari
- CHOICE Inter-frequency cell removal		Not present (This IE shall be ignered by the LIE for SIR11)
- New inter-frequency cells		(This IE shall be ignored by the UE for SIB11)
- Inter frequency cell id		4
- Frequency info		
- CHOICE mode		TDD

LIA DECAL (AU)	1	ID 6
- UARFCN (Nt)		Reference to table 6.1.2 for Cell 4
- Cell info - Cell individual offset		Not present
- Och marvidaar onset		Absence of this IE is equivalent to default value 0dB
- Reference time difference to cell		Not present
- Cell individual offset		Not present
		Absence of this IE is equivalent to default value 0dB
- Reference time difference to cell		Not present
- Read SFN indicator		FALSE
- CHOICE mode		TDD
- Primary CCPCH info		Refer to clause titled "Default settings for cell No.4 (TDD)" in clause 6.1.4
- Primary CCPCH Tx power		Not present
- TX Diversity Indicator		FALSE
- Cell Selection and Re-selection Info		Not present (same values as for serving cell applies) 5
Inter frequency cell id     Frequency info		Not Present
- Frequency into		Absence of this IE is equivalent to value of the previous
		"frequency info" in the list.
- Cell info		Same content as specified for Inter-frequency cell id=4
		with the exception that value for Primary scrambling
		code shall be according to clause titled "Default settings
		for cell No.5 (TDD)" in clause 6.1.4
- Inter frequency cell id		6
- Frequency info		Not Present
		Absence of this IE is equivalent to value of the previous
- Cell info		"frequency info" in the list. Same content as specified for Inter-frequency cell id=4
- Cell IIIIO		with the exception that value for Primary scrambling
		code shall be according to clause titled "Default settings
		for cell No.6 (TDD)" in clause 6.1.4
- Cell for measurement		Not present `
- Inter-RAT measurement system information	A1	Not Present
- Inter-RAT measurement system information	A2	
- Inter-RAT cell info list		
- CHOICE Inter-RAT cell removal		Not Present
- New inter-RAT cells		(This IE shall be ignored by the UE for SIB11)
- Inter-RAT cell id		9
- CHOICE Radio Access Technology		GSM
- GSM		J 55
- Cell individual offset		0
<ul> <li>Cell selection and re-selection info</li> </ul>		Not Present
- BSIC		
- Base transceiver Station Identity Code (BSIC)		Reference to table 6.1.10 for Cell 9
- Band indicator		According to PICS/PIXIT
- BCCH ARFCN - Inter-RAT cell id		Reference to table 6.1.10 for Cell 9 10
- Mei-RAT cell id - CHOICE <i>Radio Access Technology</i>		GSM
- GSM		OGW
- Cell individual offset		0
- Cell selection and re-selection info		Not Present
- BSIC		
- Base transceiver Station Identity Code (BSIC)		Reference to table 6.1.10 for Cell 10
- Band indicator		According to PICS/PIXITs
- BCCH ARFCN		Reference to table 6.1.10 for Cell 10
Cell for measurement     Traffic volume measurement system information	Δ1 Δ2	Not present Not Present
- mame volume measurement system information	A1, A2	INOUT TESCHE

Condition	Explanation
A1	TDD cell environment
A2	TDD/GSM inter-RAT cell environment

# <End of Changed Section>

<u>....</u>

## <Start of Changed Section>

Contents of System Information Block type 12 in connected mode (3.84 Mcps and 1.28 Mcps TDD)

This is the default message content of SIB 12 for cell 1.

See clause 6.1.4 for the difference in message contents of System Information Block type 12 (TDD) for cell 2 to 8.

- FACH measurement occasion info	Not Present
- Measurement control system information	
- Use of HCS	Not used
- Cell selection and reselection quality measure	(no data)CPICH RSCP
- Intra-frequency measurement system information	Not Present
- Inter-RAT measurement system information	Not Present
- Traffic volume measurement system information	Not Present

<End of Changed Section>

# 3GPP TSG-RAN5 Meeting #27 Bath, UK, 25<sup>th</sup> - 29<sup>th</sup> April 2005

*Tdoc* **#** *R5-050677* 

		(	CHANG	E REQ	UE	ST				CR-Form-v7
[ <b>X</b> ]	34.108	CR	414	жrev	-	$ \mathcal{H} $	Current v	ersion:	5.4.0	<b>(</b> #)
For <u>HEL</u>	P on using	this form, see	bottom of th	his page or	look a	at the	pop-up to	ext ove	r the	mbols.
Proposed c	hange affed	c <b>ts:</b>   UICC a	pps #	ME X	Rad	lio Ad	ccess Net	work	Core N	etwork
Title:	₩ CR	to 34.108: Co	rrection to T	FCS						
Source:	₩ <mark>3G</mark> F	PP TSG RAN	WG5 (Testin	na)						
Jource.	[88] 331	1 10010411	VV 05 (105til	19)						
Work item c	ode: 🏻 TE	il .					Date:	<b>光</b> 15	/04/2005	
Category:	Deta be f	one of the folion of the folio	ds to a correct feature), modification o odification) ins of the abov FR 21.900.	tion in an ear of feature)  ve categories  rrected the	s can	S ord	2 R) R96 R97 R98 R99 Rel-4 Rel-5 Rel-6	of the for (GS) (Rel (Rel (Rel (Rel (Rel (Rel (Rel (Rel	ollowing re M Phase 2, ease 1996, ease 1997, ease 1999, ease 4) ease 5) ease 6)	) ) ) )
Summary or	f change:⊯	The TFCS o	f RAB #51a	is corrected	d.					
Consequent not approve	· ·	Inconsistent	TFCS defini	tion would	be sp	ecifie	ed.			
Clauses affe	ected: #	6.10								
Other specs affected:	<b>3</b>	X Test	core specifi specification Specification	S	<b></b>					
Other comm	nents: 🕱	34.123-1 is	already in li	ne with this	chan	ae.				

#### How to create CRs using this form:

Comprehensive information and tips about how to create CRs can be found at <a href="http://www.3gpp.org/specs/CR.htm">http://www.3gpp.org/specs/CR.htm</a>. 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.
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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.

6.10.2.4.1.51a Conversational / unknown / UL:64 DL:64 kbps / CS RAB + Interactive or Background / UL:8 DL:8 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH

6.10.2.4.1.51a.1 Uplink

6.10.2.4.1.51a.1.1 Transport channel parameters

6.10.2.4.1.51a.1.1.1 Transport channel parameters for Conversational / unknown / UL:64 kbps / CS RAB See clause 6.10.2.4.1.13.2.1.1.

6.10.2.4.1.51a.1.1.2 Transport channel parameters for Interactive or Background / UL:8 kbps / PS RAB See clause 6.10.2.4.1.38b.1.1.2.

6.10.2.4.1.51a.1.1.3 Transport channel parameters for UL:3.4 kbps SRBs for DCCH See clause 6.10.2.4.1.2.1.1.1.

#### 6.10.2.4.1.51a.1.1.4 TFCS

TFCS size	8
TFCS	(64 kbps Conversational RAB, 8 kbps I/B RAB, DCCH)=
	(TF0, TF0, TF0), (TF1, TF0, TF0), (TF0, TF1, TF0), (TF1, TF1, TF0),
	(TF0, TF0, TF1), (TF1, TF0, TF1), (TF0, TF1, TF10), (TF1, TF1, TF1)

#### 6.10.2.4.1.51a.1.2 Physical channel parameters

DPCH	Min spreading factor	16
Uplink	Max number of DPDCH data bits/radio frame	2400
	Puncturing Limit	0.72

6.10.2.4.1.51a.2 Downlink

6.10.2.4.1.51a.2.1 Transport channel parameters

6.10.2.4.1.51a.2.1.1 Transport channel parameters for Conversational / unknown / DL:64 kbps / PS RAB See clause 6.10.2.4.1.13.2.1.1.

6.10.2.4.1.51a.2.1.2 Transport channel parameters for Interactive or Background / DL:8 kbps / PS RAB See clause 6.10.2.4.1.38b.2.1.2.

6.10.2.4.1.51a.2.1.3 Transport channel parameters for DL:3.4 kbps SRBs for DCCH See clause 6.10.2.4.1.2.2.1.1.

#### 6.10.2.4.1.51a.2.1.4 TFCS

TFCS size	8
TFCS	(64 kbps Conversational RAB, 8 kbps I/B RAB, DCCH)=
	(TF0, TF0, TF0), (TF1, TF0, TF0), (TF0, TF1, TF0), (TF1, TF1, TF0),
	(TF0, TF0, TF1), (TF1, TF0, TF1), (TF0, TF1, TF <del>10</del> ), (TF1, TF1, TF1)

# 6.10.2.4.1.51a.2.2 Physical channel parameters

DPCH	DTX position	on	Flexible
Downlink	Spreading	factor	32
	DPCCH Number of TFCI bits/slot		8
		Number of TPC bits/slot	4
		Number of Pilot bits/slot	8
	DPDCH Number of data bits/slot		140
		Number of data bits/frame	2100

# 3GPP TSG-RAN WG5 Meeting #27 Bath, England, 25<sup>th</sup>- 29<sup>th</sup> April 2005

Tdoc **#***R***5-050724** Agenda Item 8.7.1

		CHA	NGE RE	EQUES	ST .		CR-Form-v7.1
[ <b>X</b> ]	34.	108 CR 415	ж re	<b>-</b>	≝ Current ve	rsion: 5.4	<b>4.0</b> <sup>⊯</sup>
For <u>HELP</u> on u	ising t	his form, see botto	m of this page	e or look at	t the pop-up te	ct over the	₩ symbols.
Proposed change a	affect	s:│ UICC apps <mark></mark> 幾	MI	E <mark>X</mark> Radio	o Access Netw	ork Co	ore Network
Title: 第	CR	to TS34.108 Rel-5	; Correction to	o the physi	cal channel pa	rameter	
Source:	3GI	PP TSG RAN WG	(Testing)				
Work item code: 器	TEI				Date:	25/04/2	005
Category: 器	Use of the second secon	one of the following of (correction)  A (corresponds to a (addition of feature (functional modifical (editorial modifical))  I (editorial modifical)  I (editorial modifical)  I (editorial modifical)  I (editorial)  I	correction in ale), eation of feature tion) he above categ	<del>)</del> )	Ph2	Rel-5  If the following  (GSM Phate  (Release of the following)  (Release of the following)	ase 2) 1996) 1997) 1998) 1999) 4) 5)
Reason for change	e: ૠ	There is a misma	itch between t	he test spe	ec and TTCN ir	nplementai	tion.
Summary of chang	ge:⊯	To align with the to "Fixed position		"DTX posi	tion" of combin	ations on S	CCPCH is set
Consequences if not approved:	<b> </b>	The test spec rer	nains unclear				
Clauses affected:	H	6.10.2.4.3					
Other specs Affected:	<b> </b>	Y N X Other core X Test specif X O&M Speci		[ <b></b> #]			
Other comments:	$\mathfrak{R}$						

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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.

#### <<Start of Modification>>

6.10.2.4.3 Combinations on SCCPCH

6.10.2.4.3.1 Stand-alone signalling RB for PCCH

6.10.2.4.3.1.1 Transport channel parameters

6.10.2.4.3.1.1.1 Transport channel parameter of SRB for PCCH

Higher layer	RAB/signalling RB	SRB
	User of Radio Bearer	RRC
RLC	Logical channel type	PCCH
	RLC mode	TM
	Payload sizes, bit	240 (alt. 80)
	Max data rate, bps	24000 (alt. 8000)
	TrD PDU header, bit	0
MAC	MAC header, bit	0
	MAC multiplexing	N/A
Layer 1	TrCH type	PCH
	TB sizes, bit	240 (alt. 80)
	TFS TF0, bts	0x240 (alt. 0x80)
	TF1, bits	1x240 (alt. 1x80)
	TTI, ms	10
	Coding type	CC 1/2
	CRC, bit	16
	Max number of bits/TTI before rate matching	528 (alt. 208)
	RM attribute	210-250

#### 6.10.2.4.3.1.1.2 TFCS

TFCS size	2
TFCS	SRBs for PCCH = TF0, TF1

#### 6.10.2.4.3.1.2 Physical channel parameters

SCCPCH	TFCS size	2
	DTX position	FixedN/A (SingleTrCH)
	Spreading factor	128(alt. 256)
	Number of TFCI bits/slot	0
	Number of Pilot bits/slot	0
	Number of data bits/slot	40(alt. 20)
	Number of data bits/frame	600(alt. 300)

#### <<End of Modification>>

Other comments:

#### 3GPP TSG-R5 Meeting #27 Bath, UK, 25<sup>th</sup> – 29<sup>th</sup> April 2005

Tdoc #R5-050947

								CR-Form-v	
		CHANGE	REQ	UES1	•				
[H]	34.108	CR 416	жrev	<b>-</b> H	Current vers	sion:	5.4.0	[H	
For <u><b>HELP</b></u> on usir	ng this for	m, see bottom of thi	s page or	look at th	e pop-up text	over	the <mark></mark>	mbols.	
Proposed change affects: UICC apps   ME X Radio Access Network Core N									
Title: 第 C	orrection	to default SIB config	urations						
Source: # 3	GPP TSG	RAN WG5 (Testing	1)						
Work item code:	El				Date: ⋬	25/0	4/2005		
D	se one of the factor of the fa	responds to a correction of feature), ctional modification of forial modification of forial modification) planations of the above 3GPP TR 21.900.  Section 6.1.0a.4.2 This section is upposed to the section of the feature of the section of the sect	e categories  cate	s can the SIB oer 34.12 de default o	R97 R98 R99 Rel-4 Rel-5 Rel-6 schedule Inte 3-3. contents for S	the for (GSM) (Release (Releas	Illowing release 1996) Phase 1997) Phase 1998) Phase 1999) Phase 4) Phase 5) Phase 6)  Titest as " The Information of the second	FFS".	
Summary of change:	per th (知 1) 2)	speech RAB as defined in 34.108 section 6.10.2.4.1.4.  Note: In the TTCN implementation some of the parameters used for S per this section for the 12.2 KBPS RAB, thus TTCN needs correction.  1) In section 6.1.0a.4.2, the SIB schedule for idle mode, Measure Inter-RAT UTRAN to GERAN test cases is been added.  2) In section 6.1.0a.4.3 SIB schedule Inter-RAT GERAN to UTRA cases is been added.  3) In section 6.1.0b added the default Contents for System Information type 16 for FDD.					leasureme o UTRAN	ent and test	
Consequences if not approved:		nsistency in SIB con emenetation will rem		etween t	he 34.108 an	d TTC	CN		
Clauses affected:	<b>光 6.1.0</b> a	.4.2 and 6.1.0b							
Other specs affected:	Y N  X  X	Other core specific Test specifications O&M Specifications		[ <b>H</b> ]					

置 This CR requires change in TTCN.

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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.

#### << START OF MODIFIED SECTION >>

6.1.0a.4.2 SIB schedule for Idle Mode, Measurement and Inter RAT UTRAN to GERAN test casesSIB schedule for Inter-Rat Handover Test

**FFS** 

Frame No.	<u>0</u>	<u>2</u>	<u>4</u>	<u>6</u>	<u>8</u>	<u>10</u>	<u>12</u>	<u>14</u>
REP-POS	<u>0</u>	<u>1</u>	<u>2</u>	<u>3</u>	<u>4</u>	<u>5</u>	<u>6</u>	<u>7</u>
Block Type	<u>MIB</u>	<u>SB1</u>	SIB6	SIB6	<u>MIB</u>	SIB6	SIB6	<u>SIB7/SIB</u> <u>3</u>
1								
Frame No.	<u>16</u>	<u>18</u>	<u>20</u>	<u>22</u>	<u>24</u>	<u>26</u>	<u>28</u>	<u>30</u>
REP-POS	8	9	<u>10</u>	<u>11</u>	<u>12</u>	<u>13</u>	<u>14</u>	<u>15</u>
Block Type	<u>MIB</u>	<u>SB1</u>	SIB1/SIB2	SIB12	<u>MIB</u>	<u>SIB12</u>	<u>SIB12</u>	<u>SIB7/SIB</u> <u>12</u>
Frame No.	<u>32</u>	<u>34</u>	<u>36</u>	<u>38</u>	<u>40</u>	<u>42</u>	<u>44</u>	<u>46</u>
REP-POS	<u>16</u>	<u>17</u>	<u>18</u>	<u>19</u>	<u>20</u>	<u>21</u>	22	<u>23</u>
Block Type	<u>MIB</u>	<u>SB1</u>	SIB5	SIB5	MIB	SIB5	SIB5	<u>SIB7/SIB</u> <u>18</u>
Frame No.	<u>48</u>	<u>50</u>	<u>52</u>	<u>54</u>	<u>56</u>	<u>58</u>	<u>60</u>	<u>62</u>
REP-POS	<u>24</u>	<u>25</u>	<u>26</u>	<u>27</u>	<u>28</u>	<u>29</u>	<u>30</u>	<u>31</u>
Block Type	MIB	SB1	<u>SIB11</u>	<u>SIB11</u>	MIB	<u>SIB11</u>	<u>SIB11</u>	SIB7/SIB 4

#### SIB-repeat period (in frame)

Block Type	MIB	SB1	SIB1	SIB2	SIB3	SIB4	SIB5	SIB6	SIB7	<u>SIB11</u>	<u>SIB12</u>	<u>SIB18</u>
SIB Rep	8	<u>16</u>	<u>64</u>	64	<u>64</u>	64	64	<u>64</u>	<u>16</u>	<u>64</u>	<u>64</u>	<u>64</u>
Max. No of seq.	1	<u>1</u>	1	1	1	1	<u>4</u>	<u>4</u>	1	<u>4</u>	<u>4</u>	1

#### 6.1.0a.4.3 SIB schedule for Inter RAT handover GERAN to UTRAN test cases

				_	_			
Frame No.	<u>0</u>	<u>2</u>	<u>4</u>	<u>6</u>	<u>8</u>	<u>10</u>	<u>12</u>	<u>14</u>
REP-POS	<u>0</u>	<u>1</u>	<u>2</u>	<u>3</u>	<u>4</u>	<u>5</u>	<u>6</u>	<u>7</u>
<b>Block Type</b>	MIB	SB1	SB1		MIB	SIB1	SIB18	SIB2
								_
Frame No.	<u>16</u>	<u>18</u>	<u>20</u>	22	<u>24</u>	<u>26</u>	<u>28</u>	<u>30</u>
REP-POS	8	9	<u>10</u>	<u>11</u>	<u>12</u>	<u>13</u>	<u>14</u>	<u>15</u>
<b>Block Type</b>	MIB	SB1	SB1	SIB7	MIB	SIB3		SIB4
Frame No.	<u>32</u>	<u>34</u>	<u>36</u>	<u>38</u>	<u>40</u>	<u>42</u>	44	<u>46</u>
REP-POS	<u>16</u>	<u>17</u>	<u>18</u>	<u>19</u>	<u>20</u>	<u>21</u>	<u>22</u>	<u>23</u>
<b>Block Type</b>	<u>MIB</u>	<u>SB1</u>	<u>SB1</u>	SIB5	MIB	SIB5	SIB5	SIB5
Frame No.	<u>48</u>	<u>50</u>	<u>52</u>	<u>54</u>	<u>56</u>	<u>58</u>	<u>60</u>	<u>62</u>
REP-POS	<u>24</u>	<u>25</u>	<u>26</u>	<u>27</u>	<u>28</u>	<u>29</u>	<u>30</u>	<u>31</u>
Block Type	<u>MIB</u>	<u>SB1</u>	<u>SB1</u>	SIB7	MIB	<u>SIB11</u>	<u>SIB11</u>	<u>SIB11</u>
Frame No.	<u>64</u>	<u>66</u>	<u>68</u>	<u>70</u>	<u>72</u>	<u>74</u>	<u>76</u>	<u>78</u>
REP-POS	<u>32</u>	<u>33</u>	<u>34</u>	<u>35</u>	<u>36</u>	<u>37</u>	<u>38</u>	<u>39</u>
Block Type	MIB	<u>SB1</u>	<u>SB1</u>	<u>SIB16</u>	MIB	<u>SIB16</u>	<u>SIB16</u>	<u>SIB16</u>
Frame No.	<u>80</u>	<u>82</u>	<u>84</u>	<u>86</u>	<u>88</u>	<u>90</u>	<u>92</u>	<u>94</u>
REP-POS	<u>40</u>	<u>41</u>	<u>42</u>	<u>43</u>	44	<u>45</u>	<u>46</u>	<u>47</u>
<b>Block Type</b>	MIB	SB1	SB1	SIB7	MIB	SIB3		SIB4
Frame No.	<u>96</u>	<u>98</u>	<u>100</u>	<u>102</u>	<u>104</u>	<u>106</u>	<u>108</u>	<u>110</u>
REP-POS	<u>48</u>	<u>49</u>	<u>50</u>	<u>51</u>	<u>52</u>	<u>53</u>	<u>54</u>	<u>55</u>
<b>Block Type</b>	<u>MIB</u>	<u>SB1</u>	<u>SB1</u>	<u>SIB16</u>	<u>MIB</u>	<u>SIB16</u>	<u>SIB16</u>	<u>SIB16</u>
Frame No.	<u>112</u>	<u>114</u>	<u>116</u>	<u>118</u>	<u>120</u>	<u>122</u>	<u>124</u>	<u>126</u>
REP-POS	<u>56</u>	<u>57</u>	<u>58</u>	<u>59</u>	<u>60</u>	<u>61</u>	<u>62</u>	<u>63</u>
Block Type	<u>MIB</u>	<u>SB1</u>	<u>SB1</u>	SIB7	MIB			

#### SIB-repeat period (in frame)

Block Type	MIB	SB1	SIB1	SIB2	SIB3	SIB4	SIB5	SIB7	<u>SIB11</u>	<u>SIB16</u>	<u>SIB18</u>
SIB Rep	<u>8</u>	<u>16</u>	<u>128</u>	<u>128</u>	<u>64</u>	<u>64</u>	<u>128</u>	<u>32</u>	<u>128</u>	<u>128</u>	<u>128</u>
Max. No of seg.	1	<u>2</u>	1	<u>1</u>	<u>1</u>	1	<u>4</u>	<u>1</u>	<u>3</u>	<u>8</u>	1

#### << END OF MODIFIED SECTION >>

#### << START OF MODIFIED SECTION >>

# 6.1.0b Default System Information Block Messages

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Contents of System Information Block type 16 (FDD)

- Predefined RB configuration	<del>[FFS]</del>
- Predefined TrCh configuration	<del>[FFS]</del>
<ul> <li>Predefined Phy configuration</li> </ul>	<del>[FFS]</del>

- Pre-Defined Radio Configuration	(12.2 KBPS AMR)
- Pre-defined RB configuration	
- Re-establishment timer	<u>useT315</u>
- SRB InformationList	<u></u>
- Signalling RB information to setup	(UM DCCH for RRC)
- RB identity	
	1
- CHOICE RLC info type	
- RLC info	
- CHOICE Uplink RLC mode	<u>UM RLC</u>
- Transmission RLC discard	timerBasedNoExplicit : dt100
- CHOICE Downlink RLC mode	UM RLC
- RB mapping info	
- Information for each multiplexing option	
- RLC logical channel mapping indicator	Not Present
- Number of RLC logical channels	1
- Uplink transport channel type	DCH
- UL Transport channel identity	<u>5</u> <u>1</u>
<ul> <li>Logical channel identity</li> </ul>	
- CHOICE RLC size list	<u>Configured</u>
<ul> <li>MAC logical channel priority</li> </ul>	<u>1</u>
- Downlink RLC logical channel info	
- Number of RLC logical channels	1
- Downlink transport channel type	DCH
- DL DCH Transport channel identity	10
- DL DSCH Transport channel identity	Not Present
- Logical channel identity	1 (AM DOOL 6 DDO)
- Signalling RB information to setup	(AM DCCH for RRC)
- RB identity	<u>2</u>
- CHOICE RLC info type	
- RLC info	
- CHOICE Uplink RLC mode	AM RLC
- Transmission RLC discard	
- SDU discard mode	Max DAT retransmissions
- MAX DAT	4
- Timer MRW	100
- MaxMRW	<u>4</u> <u>8</u> <u>500</u>
- Transmission window size	<u>8</u>
- Timer RST	<u>500</u>
- Max RST	<u>4</u>
- Polling info	
- Timer poll prohibit	200
- Timer poll	200
- Poll PDU	Not Present
	1
- Poll SDU	
- Last transmission PDU poll	TRUE
- Last retransmission PDU poll	TRUE
Poll_Window	<u>99</u>
- Timer poll periodic	Not Present
- CHOICE Downlink RLC mode	AM RLC
- In-sequence delivery	TRUE
- Receiving window size	8
- Downlink RLC status info	=
- Timer status prohibit	200
- Timer EPC	200 TDUE
- Missing PDU indicator	TRUE
- Timer_STATUS_periodic	Not Present
<ul> <li>RB mapping info</li> </ul>	
<ul> <li>Information for each multiplexing option</li> </ul>	
- RLC logical channel mapping indicator	Not Present
- Number of RLC logical channels	1
- Uplink transport channel type	ĎСН
- UL Transport channel identity	
	<u>5</u> <u>2</u>
- Logical channel identity	<u>Configurad</u>
- CHOICE RLC size list	Configured
- MAC logical channel priority	<u>2</u>
<ul> <li>Downlink RLC logical channel info</li> </ul>	
<ul> <li>Number of RLC logical channels</li> </ul>	<u>1</u>
<ul> <li>Downlink transport channel type</li> </ul>	<u>DCH</u>

- DL DCH Transport channel identity	<u>10</u>
- DL DSCH Transport channel identity	Not Present
- Logical channel identity	<u>2</u>
- Signalling RB information to setup	(AM DCCH for RRC)
- RB identity	<u>3</u>
- CHOICE RLC info type	
- RLC info	
- CHOICE Uplink RLC mode	AM RLC
- Transmission RLC discard	May DAT retransmissions
- SDU discard mode - MAX DAT	Max DAT retransmissions 4
- Timer MRW	100
- MaxMRW	
- Transmission window size	<u>4</u> <u>8</u>
- Timer RST	<u>500</u>
- Max RST	<u>4</u>
- Polling info	
- Timer_poll_prohibit	<u>200</u>
- Timer_poll	<u>200</u>
- Poll PDU	Not Present
- Poll_SDU	<u>1</u>
Last transmission PDU poll     Last retransmission PDU poll	TRUE TRUE
- Last retransmission PDO poli - Poll Window	99
- Timer poll periodic	Not Present
- CHOICE Downlink RLC mode	AM RLC
- In-sequence delivery	TRUE
- Receiving window size	<u>8</u>
- Downlink RLC status info	
- Timer status prohibit	<u>200</u>
- Timer_EPC	<u>200</u>
- Missing PDU indicator	TRUE
- Timer STATUS periodic - RB mapping info	Not Present
- Information for each multiplexing option	
- RLC logical channel mapping indicator	Not Present
- Number of RLC logical channels	1
- Uplink transport channel type	<u>DCH</u>
<ul> <li>UL Transport channel identity</li> </ul>	<u>5</u> 3
<ul> <li>Logical channel identity</li> </ul>	
- CHOICE RLC size list	Configured
- MAC logical channel priority	<u>3</u>
- Downlink RLC logical channel info - Number of RLC logical channels	1
- Downlink transport channel type	1 DCH
- DL DCH Transport channel identity	10
- DL DSCH Transport channel identity	Not Present
- Logical channel identity	3
- Signalling RB information to setup	(AM DCCH for RRC)
- RB identity	<u>4</u>
- CHOICE RLC info type	
- RLC info	AM DLC
- CHOICE Uplink RLC mode - Transmission RLC discard	AM RLC
- Transmission RLC discard - SDU discard mode	Max DAT retransmissions
- MAX DAT	4
- Timer MRW	± 100
- MaxMRW	4
- Transmission window size	8 500
- Timer RST	
- Max RST	<u>4</u>
- Polling info	000
- Timer poll prohibit	<u>200</u>
- Timer_poll	200 Not Present
- Poll PDU - Poll SDU	Not Present
- Last transmission PDU poll	L TRUE
	TRUE
<ul> <li>Last retransmission PDU poll</li> </ul>	

- Poll Window	99
- Timer poll periodic	Not Present
- CHOICE Downlink RLC mode	AM RLC
- In-sequence delivery	TRUE
- Receiving window size	
	<u>8</u>
- Downlink RLC status info	200
- Timer status prohibit	200
- Timer EPC	200
- Missing PDU indicator	TRUE
- Timer STATUS periodic	Not Present
- RB mapping info	
<ul> <li>Information for each multiplexing option</li> </ul>	
<ul> <li>RLC logical channel mapping indicator</li> </ul>	Not Present
- Number of RLC logical channels	<u>1</u>
<ul> <li>Uplink transport channel type</li> </ul>	<u>DCH</u>
<ul> <li>- UL Transport channel identity</li> </ul>	<u>5</u> 4
- Logical channel identity	4
- CHOICE RLC size list	Configured
- MAC logical channel priority	4
- Downlink RLC logical channel info	<del>-</del>
- Number of RLC logical channels	1
- Downlink transport channel type	DCH
- DL DCH Transport channel identity	10
	Not Present
- DL DSCH Transport channel identity	INOUT TESCHE
- Logical channel identity	<u>#</u>
- RAB information for setup	
- RB information to setup	
- RB identity	<u>10</u>
- PDCP info	Not Present
- CHOICE RLC info type	RLC info
- CHOICE Uplink RLC mode	TM RLC
- Transmission RLC discard	Not Present
- Segmentation indication	TRUE
- CHOICE Downlink RLC mode	TM RLC
- Segmentation indication	TRUE
- RB mapping info	
- Information for each multiplexing option	
- RLC logical channel mapping indicator	Not Present
- Number of uplink RLC logical channels	1
- Uplink transport channel type	ĎСН
- UL Transport channel identity	1
- Logical channel identity	$\frac{1}{7}$
- CHOICE RLC size list	<u>r</u> Configured
- MAC logical channel priority	<u>6</u>
- Downlink RLC logical channel info	4
- Number of downlink RLC logical channels	<u>1</u>
- Downlink transport channel type	<u>DCH</u>
- DL DCH Transport channel identity	<u>6</u>
- DL DSCH Transport channel identity	Not Present
<ul> <li>Logical channel identity</li> </ul>	$\frac{7}{2}$
- RB identity	<u>11</u>
- PDCP info	Not Present
- CHOICE RLC info type	RLC info
- CHOICE Uplink RLC mode	TM RLC
- Transmission RLC discard	Not Present
- Segmentation indication	TRUE
- CHOICE Downlink RLC mode	TM RLC
- Segmentation indication	TRUE
- RB mapping info	
- Information for each multiplexing option	
- RLC logical channel mapping indicator	Not Present
- Number of uplink RLC logical channels	1
- Uplink transport channel type	<u>DCH</u>
- UL Transport channel identity	<u>2</u>
- Logical channel identity	<u>∠</u> 8
- CHOICE RLC size list	© Configured
- MAC logical channel priority - Downlink RLC logical channel info	<u>6</u>
- DOWNING INECTIONICAL CHAINER HIND	

- Number of downlink RLC logical channels	1
- Downlink transport channel type	DCH
- DL DCH Transport channel identity	7
- DL DSCH Transport channel identity	Not Present
- Logical channel identity	
	8
- RB identity	<u>12</u>
- PDCP info	Not Present
- CHOICE RLC info type	RLC info
- CHOICE Uplink RLC mode	TM RLC
- Transmission RLC discard	Not Present
- Segmentation indication	TRUE
- CHOICE Downlink RLC mode	TM RLC
<ul> <li>Segmentation indication</li> </ul>	TRUE
- RB mapping info	
<ul> <li>Information for each multiplexing option</li> </ul>	
- RLC logical channel mapping indicator	Not Present
- Number of uplink RLC logical channels	1
	DCH
- Uplink transport channel type	
<ul> <li>UL Transport channel identity</li> </ul>	<u>3</u> <u>9</u>
<ul> <li>Logical channel identity</li> </ul>	
- CHOICE RLC size list	Configured
- MAC logical channel priority	6
- Downlink RLC logical channel info	<del>-</del>
- Number of downlink RLC logical channels	1
	1 DCH
- Downlink transport channel type	
- DL DCH Transport channel identity	<u>8</u>
<ul> <li>DL DSCH Transport channel identity</li> </ul>	Not Present
<ul> <li>Logical channel identity</li> </ul>	<u>9</u>
- Pre-Defined Transport Channel Configuration	<del>-</del>
- UL CommonTransChInfo	
- UL TFCS	
	Defendancia in the consolete activities and effective
- TFC subset	Default value is the complete existing set of transport
	format combinations
<ul> <li>Allowed Transport Format combination</li> </ul>	<u>0,1,2,3,4,5</u>
- PRACH TFCS	Not Present
- CHOICE mode	FDD
- CHOICE TFCI signalling	Normal
- CHORDE LEGI SIGNAMING	
	Normal
- TFCI Field 1 information	
- TFCI Field 1 information - CHOICE TFCS representation	Addition
- TFCI Field 1 information - CHOICE TFCS representation - TFCS addition configure information	Addition
- TFCI Field 1 information - CHOICE TFCS representation	Addition  Number of bits used must be enough to cover all
- TFCI Field 1 information - CHOICE TFCS representation - TFCS addition configure information	Addition
- TFCI Field 1 information - CHOICE TFCS representation - TFCS addition configure information	Addition  Number of bits used must be enough to cover all
- TFCI Field 1 information - CHOICE TFCS representation - TFCS addition configure information	Addition  Number of bits used must be enough to cover all combinations of CTFC from clause 6.10.2.4.1.4.1  Parameter Set.
- TFCI Field 1 information  - CHOICE TFCS representation  - TFCS addition configure information  - CHOICE TFCS Size	Addition  Number of bits used must be enough to cover all combinations of CTFC from clause 6.10.2.4.1.4.1  Parameter Set. This IE is repeated for TFC numbers and reference to
- TFCI Field 1 information - CHOICE TFCS representation - TFCS addition configure information - CHOICE TFCS Size  - CTFC information	Addition  Number of bits used must be enough to cover all combinations of CTFC from clause 6.10.2.4.1.4.1  Parameter Set.
- TFCI Field 1 information - CHOICE TFCS representation - TFCS addition configure information - CHOICE TFCS Size  - CTFC information - Power offset information	Addition  Number of bits used must be enough to cover all combinations of CTFC from clause 6.10.2.4.1.4.1  Parameter Set. This IE is repeated for TFC numbers and reference to clause 6.10.2.4.1.4.1 Parameter Set
- TFCI Field 1 information - CHOICE TFCS representation - TFCS addition configure information - CHOICE TFCS Size  - CTFC information - Power offset information - CHOICE Gain Factors	Addition  Number of bits used must be enough to cover all combinations of CTFC from clause 6.10.2.4.1.4.1  Parameter Set.  This IE is repeated for TFC numbers and reference to clause 6.10.2.4.1.4.1 Parameter Set  Signalled Gain Factor
- TFCI Field 1 information - CHOICE TFCS representation - TFCS addition configure information - CHOICE TFCS Size  - CTFC information - Power offset information - CHOICE Gain Factors - CHOICE mode	Addition  Number of bits used must be enough to cover all combinations of CTFC from clause 6.10.2.4.1.4.1  Parameter Set. This IE is repeated for TFC numbers and reference to clause 6.10.2.4.1.4.1 Parameter Set  Signalled Gain Factor FDD
- TFCI Field 1 information - CHOICE TFCS representation - TFCS addition configure information - CHOICE TFCS Size  - CTFC information - Power offset information - CHOICE Gain Factors - CHOICE mode - Gain factor &c	Addition  Number of bits used must be enough to cover all combinations of CTFC from clause 6.10.2.4.1.4.1  Parameter Set. This IE is repeated for TFC numbers and reference to clause 6.10.2.4.1.4.1 Parameter Set  Signalled Gain Factor FDD
- TFCI Field 1 information - CHOICE TFCS representation - TFCS addition configure information - CHOICE TFCS Size  - CTFC information - Power offset information - CHOICE Gain Factors - CHOICE mode - Gain factor &c - Gain factor &d	Addition  Number of bits used must be enough to cover all combinations of CTFC from clause 6.10.2.4.1.4.1  Parameter Set. This IE is repeated for TFC numbers and reference to clause 6.10.2.4.1.4.1 Parameter Set  Signalled Gain Factor FDD
- TFCI Field 1 information - CHOICE TFCS representation - TFCS addition configure information - CHOICE TFCS Size  - CTFC information - Power offset information - CHOICE Gain Factors - CHOICE mode - Gain factor &c	Addition  Number of bits used must be enough to cover all combinations of CTFC from clause 6.10.2.4.1.4.1  Parameter Set.  This IE is repeated for TFC numbers and reference to clause 6.10.2.4.1.4.1 Parameter Set  Signalled Gain Factor
- TFCI Field 1 information - CHOICE TFCS representation - TFCS addition configure information - CHOICE TFCS Size  - CTFC information - Power offset information - CHOICE Gain Factors - CHOICE mode - Gain factor &c - Gain factor &c - Reference TFC ID	Addition  Number of bits used must be enough to cover all combinations of CTFC from clause 6.10.2.4.1.4.1  Parameter Set. This IE is repeated for TFC numbers and reference to clause 6.10.2.4.1.4.1 Parameter Set  Signalled Gain Factor  FDD 0 0 0 0 0
- TFCI Field 1 information - CHOICE TFCS representation - TFCS addition configure information - CHOICE TFCS Size  - CTFC information - Power offset information - CHOICE Gain Factors - CHOICE mode - Gain factor &c - Gain factor &c - Reference TFC ID - Power offset Pp-m	Addition  Number of bits used must be enough to cover all combinations of CTFC from clause 6.10.2.4.1.4.1  Parameter Set. This IE is repeated for TFC numbers and reference to clause 6.10.2.4.1.4.1 Parameter Set  Signalled Gain Factor FDD 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
- TFCI Field 1 information - CHOICE TFCS representation - TFCS addition configure information - CHOICE TFCS Size  - CTFC information - Power offset information - CHOICE Gain Factors - CHOICE mode - Gain factor &c - Gain factor &d - Reference TFC ID - Power offset Pp-m - Reference TFC ID	Addition  Number of bits used must be enough to cover all combinations of CTFC from clause 6.10.2.4.1.4.1  Parameter Set. This IE is repeated for TFC numbers and reference to clause 6.10.2.4.1.4.1 Parameter Set  Signalled Gain Factor  FDD  0  0  0 0 0 0 0 0 0 0 0 0 0 0 0 0
- TFCI Field 1 information - CHOICE TFCS representation - TFCS addition configure information - CHOICE TFCS Size  - CTFC information - Power offset information - CHOICE Gain Factors - CHOICE mode - Gain factor &c - Gain factor &c - Gain factor &c - Reference TFC ID - Power offset Pp-m - Reference TFC ID - Power offset Pp-m - Reference TFC ID - Power offset Pp-m	Number of bits used must be enough to cover all combinations of CTFC from clause 6.10.2.4.1.4.1  Parameter Set.  This IE is repeated for TFC numbers and reference to clause 6.10.2.4.1.4.1 Parameter Set  Signalled Gain Factor  FDD  0  0  0 0 0 0 0 0 0 0 0 0 0 0 0 0
- TFCI Field 1 information - CHOICE TFCS representation - TFCS addition configure information - CHOICE TFCS Size  - CTFC information - Power offset information - CHOICE Gain Factors - CHOICE mode - Gain factor &c - Gain factor &c - Gain factor &c - Reference TFC ID - Power offset Pp-m - Reference TFC ID - Power offset Pp-m - Added or Reconfigured UL TrCH information	Number of bits used must be enough to cover all combinations of CTFC from clause 6.10.2.4.1.4.1 Parameter Set. This IE is repeated for TFC numbers and reference to clause 6.10.2.4.1.4.1 Parameter Set  Signalled Gain Factor FDD 0 0 0 0 0 dB 4 TrCHs(DCH for DCCH and 3DCHs for DTCH)
- TFCI Field 1 information - CHOICE TFCS representation - TFCS addition configure information - TFCS addition configure information - CHOICE TFCS Size  - CTFC information - Power offset information - CHOICE Gain Factors - CHOICE mode - Gain factor ßc - Gain factor ßc - Gain factor ßd - Reference TFC ID - Power offset Pp-m - Reference TFC ID - Power offset Pp-m - Added or Reconfigured UL TrCH information - Uplink transport channel type	Addition  Number of bits used must be enough to cover all combinations of CTFC from clause 6.10.2.4.1.4.1  Parameter Set. This IE is repeated for TFC numbers and reference to clause 6.10.2.4.1.4.1 Parameter Set  Signalled Gain Factor  FDD 0 0 0 0 0 dB 4 TrCHs(DCH for DCCH and 3DCHs for DTCH) DCH
- TFCI Field 1 information - CHOICE TFCS representation - TFCS addition configure information - TFCS addition configure information - CHOICE TFCS Size  - CTFC information - Power offset information - CHOICE Gain Factors - CHOICE mode - Gain factor ßc - Gain factor ßc - Gain factor ßd - Reference TFC ID - Power offset Pp-m - Reference TFC ID - Power offset Pp-m - Added or Reconfigured UL TrCH information - Uplink transport channel type - UL Transport channel identity	Number of bits used must be enough to cover all combinations of CTFC from clause 6.10.2.4.1.4.1 Parameter Set. This IE is repeated for TFC numbers and reference to clause 6.10.2.4.1.4.1 Parameter Set  Signalled Gain Factor FDD 0 0 0 0 0 dB 4 TrCHs(DCH for DCCH and 3DCHs for DTCH)
- TFCI Field 1 information - CHOICE TFCS representation - TFCS addition configure information - TFCS addition configure information - CHOICE TFCS Size  - CTFC information - Power offset information - CHOICE Gain Factors - CHOICE mode - Gain factor ßc - Gain factor ßd - Reference TFC ID - Power offset Pp-m - Reference TFC ID - Power offset Pp-m - Added or Reconfigured UL TrCH information - Uplink transport channel type - UL Transport channel identity - TFS	Addition  Number of bits used must be enough to cover all combinations of CTFC from clause 6.10.2.4.1.4.1  Parameter Set. This IE is repeated for TFC numbers and reference to clause 6.10.2.4.1.4.1 Parameter Set  Signalled Gain Factor  FDD 0 0 0 0 0 dB 4 TrCHs(DCH for DCCH and 3DCHs for DTCH) DCH
- TFCI Field 1 information - CHOICE TFCS representation - TFCS addition configure information - CHOICE TFCS Size  - CTFC information  - Power offset information - CHOICE Gain Factors - CHOICE mode - Gain factor ßc - Gain factor ßd - Reference TFC ID - Power offset Pp-m - Reference TFC ID - Power offset Pp-m - Added or Reconfigured UL TrCH information - Uplink transport channel type - UL Transport channel identity - TFS - CHOICE Transport channel type	Addition  Number of bits used must be enough to cover all combinations of CTFC from clause 6.10.2.4.1.4.1  Parameter Set. This IE is repeated for TFC numbers and reference to clause 6.10.2.4.1.4.1 Parameter Set  Signalled Gain Factor FDD 0 0 0 0 0 dB 4 TrCHs(DCH for DCCH and 3DCHs for DTCH) DCH
- TFCI Field 1 information - CHOICE TFCS representation - TFCS addition configure information - CHOICE TFCS Size  - CTFC information  - Power offset information - CHOICE Gain Factors - CHOICE mode - Gain factor ßc - Gain factor ßd - Reference TFC ID - Power offset Pp-m - Reference TFC ID - Power offset Pp-m - Added or Reconfigured UL TrCH information - Uplink transport channel type - UL Transport channel identity - TFS - CHOICE Transport channel type	Number of bits used must be enough to cover all combinations of CTFC from clause 6.10.2.4.1.4.1 Parameter Set. This IE is repeated for TFC numbers and reference to clause 6.10.2.4.1.4.1 Parameter Set  Signalled Gain Factor FDD 0 0 0 0 0 dB 4 TrCHs(DCH for DCCH and 3DCHs for DTCH) DCH 1
- TFCI Field 1 information - CHOICE TFCS representation - TFCS addition configure information - CHOICE TFCS Size  - CTFC information  - Power offset information - CHOICE Gain Factors - CHOICE mode - Gain factor &c - Gain factor &c - Gain factor &c - Reference TFC ID - Power offset Pp-m - Reference TFC ID - Power offset Pp-m - Added or Reconfigured UL TrCH information - Uplink transport channel type - UL Transport channel identity - TFS - CHOICE Transport channel type - Dynamic Transport format information	Number of bits used must be enough to cover all combinations of CTFC from clause 6.10.2.4.1.4.1 Parameter Set. This IE is repeated for TFC numbers and reference to clause 6.10.2.4.1.4.1 Parameter Set  Signalled Gain Factor FDD 0 0 0 0 0 dB 4 TrCHs(DCH for DCCH and 3DCHs for DTCH) DCH 1 Dedicated transport channels
- TFCI Field 1 information - CHOICE TFCS representation - TFCS addition configure information - TFCS addition configure information - CHOICE TFCS Size  - CTFC information  - Power offset information - CHOICE Gain Factors - CHOICE mode - Gain factor ßc - Gain factor ßc - Gain factor ßd - Reference TFC ID - Power offset Pp-m - Reference TFC ID - Power offset Pp-m - Added or Reconfigured UL TrCH information - Uplink transport channel type - UL Transport channel identity - TFS - CHOICE Transport format information - RLC Size	Number of bits used must be enough to cover all combinations of CTFC from clause 6.10.2.4.1.4.1 Parameter Set. This IE is repeated for TFC numbers and reference to clause 6.10.2.4.1.4.1 Parameter Set  Signalled Gain Factor FDD 0 0 0 0 0 dB 4 TrCHs(DCH for DCCH and 3DCHs for DTCH) DCH 1  Dedicated transport channels  Reference to clause 6.10.2.4.1.4.1 Parameter Set
- TFCI Field 1 information - CHOICE TFCS representation - TFCS addition configure information - TFCS addition configure information - CHOICE TFCS Size  - CTFC information  - Power offset information - CHOICE Gain Factors - CHOICE mode - Gain factor &c - Gain factor &c - Gain factor &c - Reference TFC ID - Power offset Pp-m - Reference TFC ID - Power offset Pp-m - Added or Reconfigured UL TrCH information - Uplink transport channel type - UL Transport channel identity - TFS - CHOICE Transport channel type - Dynamic Transport format information - RLC Size - Number of TBs and TTI List	Number of bits used must be enough to cover all combinations of CTFC from clause 6.10.2.4.1.4.1 Parameter Set. This IE is repeated for TFC numbers and reference to clause 6.10.2.4.1.4.1 Parameter Set  Signalled Gain Factor FDD 0 0 0 0 0 dB 4 TrCHs(DCH for DCCH and 3DCHs for DTCH) DCH 1  Dedicated transport channels  Reference to clause 6.10.2.4.1.4.1 Parameter Set (This IE is repeated for TFI number.)
- TFCI Field 1 information - CHOICE TFCS representation - TFCS addition configure information - CHOICE TFCS Size  - CTFC information - Power offset information - CHOICE Gain Factors - CHOICE mode - Gain factor &c - Gain factor &c - Gain factor &c - Reference TFC ID - Power offset Pp-m - Reference TFC ID - Power offset Pp-m - Added or Reconfigured UL TrCH information - Uplink transport channel type - UL Transport channel identity - TFS - CHOICE Transport channel type - Dynamic Transport format information - RLC Size - Number of TBs and TTI List - Transmission Time Interval	Number of bits used must be enough to cover all combinations of CTFC from clause 6.10.2.4.1.4.1 Parameter Set. This IE is repeated for TFC numbers and reference to clause 6.10.2.4.1.4.1 Parameter Set  Signalled Gain Factor FDD 0 0 0 0 dB 4 TrCHs(DCH for DCCH and 3DCHs for DTCH) DCH 1  Dedicated transport channels  Reference to clause 6.10.2.4.1.4.1 Parameter Set (This IE is repeated for TFI number.) Not Present
- TFCI Field 1 information - CHOICE TFCS representation - TFCS addition configure information - CHOICE TFCS Size  - CTFC information - Power offset information - CHOICE Gain Factors - CHOICE mode - Gain factor &c - Gain factor &c - Gain factor &c - Reference TFC ID - Power offset Pp-m - Reference TFC ID - Power offset Pp-m - Added or Reconfigured UL TrCH information - Uplink transport channel type - UL Transport channel identity - TFS - CHOICE Transport channel type - Dynamic Transport format information - RLC Size - Number of TBs and TTI List - Transmission Time Interval - Number of Transport blocks	Number of bits used must be enough to cover all combinations of CTFC from clause 6.10.2.4.1.4.1 Parameter Set. This IE is repeated for TFC numbers and reference to clause 6.10.2.4.1.4.1 Parameter Set  Signalled Gain Factor FDD 0 0 0 0 0 dB 4 TrCHs(DCH for DCCH and 3DCHs for DTCH) DCH 1  Dedicated transport channels  Reference to clause 6.10.2.4.1.4.1 Parameter Set (This IE is repeated for TFI number.) Not Present Reference to clause 6.10.2.4.1.4.1 Parameter Set
- TFCI Field 1 information - CHOICE TFCS representation - TFCS addition configure information - CHOICE TFCS Size  - CTFC information  - Power offset information - CHOICE Gain Factors - CHOICE mode - Gain factor &c - Gain factor &c - Gain factor &c - Reference TFC ID - Power offset Pp-m - Reference TFC ID - Power offset Pp-m - Added or Reconfigured UL TrCH information - Uplink transport channel type - UL Transport channel identity - TFS - CHOICE Transport format information - RLC Size - Number of TBs and TTI List - Transmission Time Interval - Number of Transport blocks - CHOICE Logical channel list	Number of bits used must be enough to cover all combinations of CTFC from clause 6.10.2.4.1.4.1 Parameter Set. This IE is repeated for TFC numbers and reference to clause 6.10.2.4.1.4.1 Parameter Set  Signalled Gain Factor FDD 0 0 0 0 dB 4 TrCHs(DCH for DCCH and 3DCHs for DTCH) DCH 1  Dedicated transport channels  Reference to clause 6.10.2.4.1.4.1 Parameter Set (This IE is repeated for TFI number.) Not Present
- TFCI Field 1 information - CHOICE TFCS representation - TFCS addition configure information - CHOICE TFCS Size  - CTFC information - Power offset information - CHOICE Gain Factors - CHOICE mode - Gain factor &c - Gain factor &c - Gain factor &c - Reference TFC ID - Power offset Pp-m - Reference TFC ID - Power offset Pp-m - Added or Reconfigured UL TrCH information - Uplink transport channel type - UL Transport channel identity - TFS - CHOICE Transport channel type - Dynamic Transport format information - RLC Size - Number of TBs and TTI List - Transmission Time Interval - Number of Transport blocks	Number of bits used must be enough to cover all combinations of CTFC from clause 6.10.2.4.1.4.1 Parameter Set. This IE is repeated for TFC numbers and reference to clause 6.10.2.4.1.4.1 Parameter Set  Signalled Gain Factor FDD 0 0 0 0 0 dB 4 TrCHs(DCH for DCCH and 3DCHs for DTCH) DCH 1  Dedicated transport channels  Reference to clause 6.10.2.4.1.4.1 Parameter Set (This IE is repeated for TFI number.) Not Present Reference to clause 6.10.2.4.1.4.1 Parameter Set
- TFCI Field 1 information - CHOICE TFCS representation - TFCS addition configure information - CHOICE TFCS Size  - CTFC information - Power offset information - CHOICE Gain Factors - CHOICE mode - Gain factor &c - Gain factor &c - Gain factor &c - Reference TFC ID - Power offset Pp-m - Reference TFC ID - Power offset Pp-m - Added or Reconfigured UL TrCH information - Uplink transport channel type - UL Transport channel identity - TFS - CHOICE Transport format information - RLC Size - Number of TBs and TTI List - Transmission Time Interval - Number of Transport blocks - CHOICE Logical channel list	Number of bits used must be enough to cover all combinations of CTFC from clause 6.10.2.4.1.4.1 Parameter Set. This IE is repeated for TFC numbers and reference to clause 6.10.2.4.1.4.1 Parameter Set  Signalled Gain Factor FDD 0 0 0 0 0 dB 4 TrCHs(DCH for DCCH and 3DCHs for DTCH) DCH 1  Dedicated transport channels  Reference to clause 6.10.2.4.1.4.1 Parameter Set (This IE is repeated for TFI number.) Not Present Reference to clause 6.10.2.4.1.4.1 Parameter Set
- TFCI Field 1 information - CHOICE TFCS representation - TFCS addition configure information - CHOICE TFCS Size  - CTFC information  - Power offset information - CHOICE Gain Factors - CHOICE mode - Gain factor ßc - Gain factor ßc - Gain factor ßd - Reference TFC ID - Power offset Pp-m - Reference TFC ID - Power offset Pp-m - Added or Reconfigured UL TrCH information - Uplink transport channel type - UL Transport channel identity - TFS - CHOICE Transport channel type - Dynamic Transport format information - RLC Size - Number of TBs and TTI List - Transmission Time Interval - Number of Transport blocks - CHOICE Logical channel list - Semi-static Transport Format information	Number of bits used must be enough to cover all combinations of CTFC from clause 6.10.2.4.1.4.1 Parameter Set. This IE is repeated for TFC numbers and reference to clause 6.10.2.4.1.4.1 Parameter Set  Signalled Gain Factor FDD 0 0 0 0 0 dB 4 TrCHs(DCH for DCCH and 3DCHs for DTCH) DCH 1  Dedicated transport channels  Reference to clause 6.10.2.4.1.4.1 Parameter Set (This IE is repeated for TFI number.) Not Present Reference to clause 6.10.2.4.1.4.1 Parameter Set All

- Coding Rate	Reference to clause 6.10.2.4.1.4.1 Parameter Set
- Rate matching attribute	Reference to clause 6.10.2.4.1.4.1 Parameter Set
- CRC size	Reference to clause 6.10.2.4.1.4.1 Parameter Set
	· · ·
<ul> <li>Uplink transport channel type</li> </ul>	<u>DCH</u>
<ul> <li>UL Transport channel identity</li> </ul>	<u>2</u>
- TFS	
<ul> <li>CHOICE Transport channel type</li> </ul>	Dedicated transport channels
- Dynamic Transport format information	
- RLC Size	Reference to clause 6.10.2.4.1.4.1 Parameter Set
<ul> <li>Number of TBs and TTI List</li> </ul>	(This IE is repeated for TFI number.)
- Transmission Time Interval	Not Present
<ul> <li>Number of Transport blocks</li> </ul>	Reference to clause 6.10.2.4.1.4.1 Parameter Set
- CHOICE Logical channel list	All
- Semi-static Transport Format information	7 til
	Defended to allower 0.40.0.4.4.4.4 Demonstration Oat
- Transmission time interval	Reference to clause 6.10.2.4.1.4.1 Parameter Set
<ul> <li>Type of channel coding</li> </ul>	Reference to clause 6.10.2.4.1.4.1 Parameter Set
- Coding Rate	Reference to clause 6.10.2.4.1.4.1 Parameter Set
- Rate matching attribute	Reference to clause 6.10.2.4.1.4.1 Parameter Set
- CRC size	Reference to clause 6.10.2.4.1.4.1 Parameter Set
<u> </u>	
<ul> <li>Uplink transport channel type</li> </ul>	<u>DCH</u>
<ul> <li>UL Transport channel identity</li> </ul>	<u>3</u>
TFS	
- CHOICE Transport channel type	Dedicated transport channels
- Dynamic Transport format information	The state of the s
	Deference to clause 6.10.2.4.1.4.1 December Cet
- RLC Size	Reference to clause 6.10.2.4.1.4.1 Parameter Set
<ul> <li>Number of TBs and TTI List</li> </ul>	(This IE is repeated for TFI number.)
- Transmission Time Interval	Not Present
- Number of Transport blocks	Reference to clause 6.10.2.4.1.4.1 Parameter Set
- CHOICE Logical channel list	All
	<u> </u>
- Semi-static Transport Format information	
- Transmission time interval	Reference to clause 6.10.2.4.1.4.1 Parameter Set
<ul> <li>Type of channel coding</li> </ul>	Reference to clause 6.10.2.4.1.4.1 Parameter Set
- Coding Rate	Reference to clause 6.10.2.4.1.4.1 Parameter Set
- Rate matching attribute	Reference to clause 6.10.2.4.1.4.1 Parameter Set
- CRC size	Reference to clause 6.10.2.4.1.4.1 Parameter Set
<ul> <li>Uplink transport channel type</li> </ul>	<u>DCH</u>
<ul> <li>UL Transport channel identity</li> </ul>	<u>5</u>
- TFS	<del>-</del>
- CHOICE Transport channel type	Dedicated transport channels
- Dynamic Transport format information	<u>Bedicated transport orialiness</u>
· · · · · · · · · · · · · · · · · · ·	D. ( )   0.400.4.4.0.4.D   ( ) 0.4
- RLC Size	Reference to clause 6.10.2.4.1.2.1 Parameter Set
<ul> <li>Number of TBs and TTI List</li> </ul>	(This IE is repeated for TFI number.)
- Transmission Time Interval	Not Present
- Number of Transport blocks	Reference to clause 6.10.2.4.1.2.1 Parameter Set
- CHOICE Logical channel list	All
	<u>All</u>
<ul> <li>Semi-static Transport Format information</li> </ul>	
- Transmission time interval	Reference to clause 6.10.2.4.1.2.1 Parameter Set
<ul> <li>Type of channel coding</li> </ul>	Reference to clause 6.10.2.4.1.2.1 Parameter Set
- Coding Rate	Reference to clause 6.10.2.4.1.2.1 Parameter Set
- Rate matching attribute	Reference to clause 6.10.2.4.1.2.1 Parameter Set
- CRC size	Reference to clause 6.10.2.4.1.2.1 Parameter Set
	Meleterice to clause 0.10.2.4.1.2.1 Parameter Set
- DL CommonTransChInfo	
- SCCPCH TFCS	Not Present
- CHOICE mode	FDD
- CHOICE DL parameters	SameasUL
- Added or Reconfigured DL TrCH information	4 TrCHs(DCH for DCCH and 3DCHs for DTCH)
	DCH
- Downlink transport channel type	
- DL Transport channel identity	<u>6</u>
<ul><li>DL Transport channel identity</li><li>CHOICE DL parameters</li></ul>	6 Same as UL
<ul> <li>- DL Transport channel identity</li> <li>- CHOICE DL parameters</li> <li>- Uplink transport channel type</li> </ul>	6 Same as UL DCH
<ul> <li>DL Transport channel identity</li> <li>CHOICE DL parameters</li> <li>Uplink transport channel type</li> <li>UL TrCH identity</li> </ul>	6 Same as UL
- DL Transport channel identity - CHOICE DL parameters - Uplink transport channel type - UL TrCH identity - DCH quality target	6 Same as UL DCH 1
- DL Transport channel identity - CHOICE DL parameters - Uplink transport channel type - UL TrCH identity - DCH quality target - BLER Quality value	6 Same as UL DCH 1
- DL Transport channel identity - CHOICE DL parameters - Uplink transport channel type - UL TrCH identity - DCH quality target - BLER Quality value	6 Same as UL DCH 1
- DL Transport channel identity - CHOICE DL parameters - Uplink transport channel type - UL TrCH identity - DCH quality target - BLER Quality value - Downlink transport channel type	6 Same as UL DCH 1
- DL Transport channel identity - CHOICE DL parameters - Uplink transport channel type - UL TrCH identity - DCH quality target - BLER Quality value - Downlink transport channel type - DL Transport channel identity	6 Same as UL DCH 1 0 DCH 7
- DL Transport channel identity - CHOICE DL parameters - Uplink transport channel type - UL TrCH identity - DCH quality target - BLER Quality value - Downlink transport channel type - DL Transport channel identity - CHOICE DL parameters	6 Same as UL DCH 1  0 DCH 7 Same as UL
- DL Transport channel identity - CHOICE DL parameters - Uplink transport channel type - UL TrCH identity - DCH quality target - BLER Quality value - Downlink transport channel type - DL Transport channel identity - CHOICE DL parameters - Uplink transport channel type	6 Same as UL DCH 1  0 DCH 7 Same as UL DCH
- DL Transport channel identity - CHOICE DL parameters - Uplink transport channel type - UL TrCH identity - DCH quality target - BLER Quality value - Downlink transport channel type - DL Transport channel identity - CHOICE DL parameters	6 Same as UL DCH 1  0 DCH 7 Same as UL

<ul> <li>DCH quality target</li> </ul>	
- BLER Quality value	<u>0</u>
<ul> <li>Downlink transport channel type</li> </ul>	<u>0</u> <u>DCH</u>
- DL Transport channel identity	<u>8</u>
- CHOICE DL parameters	Same as UL
- Uplink transport channel type	<u>DCH</u>
- UL TrCH identity	<u>3</u>
- DCH quality target	_
- BLER Quality value	0
- Downlink transport channel type	<u>0</u> <u>DCH</u>
- DL Transport channel identity	10
- CHOICE DL parameters	Same as UL
- Uplink transport channel type	<u>DCH</u>
- UL TrCH identity	<u>5</u>
- DCH quality target	
- BLER Quality value	<u>0</u>
- Pre-Defined Physical Channel Configuration	
<ul> <li>Uplink DPCH power control info Predef</li> </ul>	
- CHOICE mode	<u>FDD</u>
- Power Control Algorithm	Algorithm1
- CHOICE mode	<u>FDD</u>
- TFCI existence	<u>FALSE</u>
- Puncturing Limit	<u>0.88</u>
- Downlink DPCH power control info Predef	
- CHOICE mode	<u>FDD</u>
- Spreading factor	<u>128</u>
- Fixed or Flexible Position	<u>Fixed</u>
- TFCI existence	FALSE

## << END OF MODIFIED SECTION >>

# 3GPP TSG-R5 Meeting #27 Bath, UK, 25<sup>th</sup> – 29<sup>th</sup> April 2005

# Tdoc **⊭**R5-050600

CHANGE REQUEST			
[光]	34.108 CR 417	<b>x rev</b> ■ <b>Current vers</b>	ion: <b>5.4.0</b>
For <u>HELP</u> on us	sing this form, see bottom of this	s page or look at the pop-up text	over the 🛱 symbols.
Proposed change a	ffects: │ UICC apps器	ME X Radio Access Networ	k Core Network
Title: ₩	CR to 34.108: Missing Rel-5 II section 9.1.1.	E's in the default Radio Bearer S	etup message at
Source: 黑	3GPP TSG RAN WG5 (Testin	g)	
Work item code: ₩	TEI	Date: 第	06/04/2005
	F Use one of the following categories F (correction) A (corresponds to a correction B (addition of feature), C (functional modification of the different of the	pon in an earlier release) R96 R97 feature) R98 R99 e categories can Rel-4 Rel-5	Rel-5 the following releases: (GSM Phase 2) (Release 1996) (Release 1997) (Release 1998) (Release 1999) (Release 4) (Release 5) (Release 6)
Reason for change:	branch of the message. I info (RLC-Info-r5), which Info). These IE's (dI-RLC-PDU-message definition.	used to start HSDPA (conditions The r5 branch uses a new type de contains new mandatory IE's (wi -size & rlc-OneSidedReEst) are n PDU Size" and "One sided RLC r	A9 & A10) uses the r5 efinition for the RLC th regards to RLC-missing from the
Consequences if not approved:		to what value to apply for these lition/validation.	
Clauses affected:	第 9.1.1		
Other specs affected:	Y N		
Other comments:	₩ No TTCN impact		

#### **How to create CRs using this form:**

Comprehensive information and tips about how to create CRs can be found at <a href="http://www.3gpp.org/specs/CR.htm">http://www.3gpp.org/specs/CR.htm</a>. 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 <a href="ftp://ftp.3gpp.org/specs/">ftp://ftp.3gpp.org/specs/</a>. 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.

## Contents of RADIO BEARER SETUP message: AM or UM

Information Element	Condition	Value/remark	Version
Message Type	A1, A2, A3, A4, A5,		
	A6, A7, A8, A11 , A9, A10		REL 5
RRC transaction identifier	, A3, A1U	Arbitrarily selects an integer between 0	REL-5
		and 3	
Integrity check info			
- message authentication code		SS calculates the value of MAC-I for this	
		message and writes to this IE. The first/ leftmost bit of the bit string contains the	
		most significant bit of the MAC-I.	
- RRC message sequence number		SS provides the value of this IE, from its	
		internal counter.	
Integrity protection mode info Ciphering mode info		Not Present Not Present	
	A1, A2, A3, A11	(256+CFN-(CFN MOD 8 + 8))MOD 256	
	, A9	, , , , , , , , , , , , , , , , , , , ,	REL-5
Activation time	A4, A5, A6, A7, A8	Not Present	ם -
New U-RNTI	A10 A1, A2, A3, A4, A5,	Not Present	REL-5
	A1, A2, A3, A4, A5, A6, A7, A8, A11		
	, A9, A10	<u></u>	REL-5
New C-RNTI	A1, A2, A3, A4, A7,	Not Present	
	A8, A11 , A9, A10		REL-5
New C-RNTI	, A9, A10 A5, A6	'1010 1010 1010 1010'	∟-∪
	A1, A2, A3, A4, A5,	Not Present	
	A6, A7, A8, A11		DE: -
New H-PNTI	, A9, A10	Not Present	REL-5
	A1, A2, A3, A4, A5, A6, A7, A8, A11	Not Present	REL-5
New H-RNTI	A9, A10	'1010 1010 1010 1010'	REL-5
RRC State indicator	A1, A2, A3, A4, A7,	CELL_DCH	
	A8, A11 , A9, A10		REL-5
RRC State indicator	A9, A10 A5, A6	CELL FACH	IVEE-0
UTRAN DRX cycle length coefficient	A1, A2, A3, A4, A5,	Not Present	
	A6, A7, A8, A11		DEL 5
CN information info	, A9, A10	Not Present	REL-5
URA identity		Not Present	
- Signalling RB information to setup		Not Present	[
- RAB information for setup	A1, A7		
- RAB info - RAB identity		0000 0001B	
. C. D. Identity		The first/ leftmost bit of the bit string	
		contains the most significant bit of the	
CNI domain identi		RAB identity.	
- CN domain identity - NAS Synchronization Indicator		CS domain Not Present	
- Re-establishment timer		useT314	
- RB information to setup			
- RB identity		10 Not Present	
- PDCP info - CHOICE RLC info type		Not Present RLC info	
- CHOICE Uplink RLC mode		TM RLC	
- Transmission RLC discard		Not Present	
- Segmentation indication		FALSE TM RLC	
- CHOICE Downlink RLC mode - Segmentation indication		FALSE	
- RB mapping info			
- Information for each multiplexing			
option - RLC logical channel mapping		Not Present	
- RLC logical channel mapping indicator			
	i .	ı	1

Information Element	Condition	Value/remark	Version
- Number of uplink RLC logical		1	
channels			
- Uplink transport channel type		DCH	
<ul> <li>- UL Transport channel identity</li> <li>- Logical channel identity</li> </ul>		Not Present	
- CHOICE RLC size list		Configured	
- MAC logical channel priority		7	
- Downlink RLC logical channel info		ľ	
- Number of downlink RLC logical		1	
channels			
<ul> <li>Downlink transport channel type</li> </ul>		DCH	
- DL DCH Transport channel		6	
identity		NetBerry	
- DL DSCH Transport channel		Not Present	
identity - Logical channel identity		Not Present	
- RAB information for setup	A2, A8	Not resent	
- RAB info	7 12, 7 10		
- RAB identity		0000 0001B	
,		The first/ leftmost bit of the bit string	
		contains the most significant bit of the	
		RAB identity.	
- CN domain identity		CS domain	
- NAS Synchronization Indicator		Not Present	
- Re-establishment timer		useT314	
- RB information to setup - RB identity		10	
- PDCP info		Not Present	
- CHOICE RLC info type		RLC info	
- CHOICE Uplink RLC mode		TM RLC	
- Transmission RLC discard		Not Present	
- Segmentation indication		FALSE	
- CHOICE Downlink RLC mode		TM RLC	
- Segmentation indication		FALSE	
- RB mapping info			
- Information for each multiplexing			
option - RLC logical channel mapping		Not Present	
lindicator		Not resent	
- Number of uplink RLC logical		1	
channels			
<ul> <li>Uplink transport channel type</li> </ul>		DCH	
<ul> <li>UL Transport channel identity</li> </ul>		1	
- Logical channel identity		Not Present	
- CHOICE RLC size list		Configured	
<ul> <li>MAC logical channel priority</li> <li>Downlink RLC logical channel info</li> </ul>		6	
- Number of downlink RLC logical		1	
channels		·	
- Downlink transport channel type		DCH	
- DL DCH Transport channel		6	
identity			
- DL DSCH Transport channel		Not Present	
identity			
- Logical channel identity		Not Present	
- RB identity - PDCP info		11  Not Present	
- PDCP IIII0 - CHOICE RLC info type		RLC info	
- CHOICE Uplink RLC mode		TM RLC	
- Transmission RLC discard		Not Present	
- Segmentation indication		FALSE	
- CHOICE Downlink RLC mode		TM RLC	
<ul> <li>Segmentation indication</li> </ul>		FALSE	
- RB mapping info			
- Information for each multiplexing			
option		Not Dropont	
<ul> <li>RLC logical channel mapping</li> </ul>	1	Not Present	

Information Element	Condition	Value/remark	Version
indicator		1	
- Number of uplink RLC logical channels			
<ul> <li>Uplink transport channel type</li> </ul>		DCH	
- UL Transport channel identity		Not Decorat	
<ul> <li>Logical channel identity</li> <li>CHOICE RLC size list</li> </ul>		Not Present Configured	
- MAC logical channel priority		6	
- Downlink RLC logical channel info			
- Number of downlink RLC logical		1	
channels - Downlink transport channel type		DCH	
- DL DCH Transport channel		7	
identity			
- DL DSCH Transport channel		Not Present	
identity - Logical channel identity		Not Present	
- RB identity		12	
- PDCP info		Not Present	
- CHOICE RLC info type		RLC info	
- CHOICE Uplink RLC mode - Transmission RLC discard		TM RLC Not Present	
- Segmentation indication		FALSE	
- CHOICE Downlink RLC mode		TM RLC	
- Segmentation indication		FALSE	
<ul> <li>RB mapping info</li> <li>Information for each multiplexing</li> </ul>			
option			
- RLC logical channel mapping		Not Present	
- Number of uplink RLC logical		1	
channels		1	
<ul> <li>Uplink transport channel type</li> </ul>		DCH	
- UL Transport channel identity		3	
<ul><li>Logical channel identity</li><li>CHOICE RLC size list</li></ul>		Not Present Configured	
- MAC logical channel priority		6	
- Downlink RLC logical channel info			
- Number of downlink RLC logical		1	
channels - Downlink transport channel type		DCH	
- DL DCH Transport channel		8	
identity			
- DL DSCH Transport channel		Not Present	
identity - Logical channel identity		Not Present	
- RAB information for setup	A3, A4, A5, A6		
- RAB info		(AM DTCH for PS domain)	
- RAB identity		0000 0101B   The first/ leftmost bit of the bit string	
		contains the most significant bit of the	
		RAB identity.	
- CN domain identity		PS domain	
<ul> <li>NAS Synchronization Indicator</li> <li>Re-establishment timer</li> </ul>		Not Present useT315	
- Re-establishment times - RB information to setup			
- RB identity		20	
- PDCP info		EALSE	
- Support for lossless SRNS relocation		FALSE	
- Max PDCP SN window size		Not present	
- PDCP PDU header		Absent	
- Header compression information		Not present	
- CHOICE RLC info type - CHOICE Uplink RLC mode		RLC info AM RLC	
- Transmission RLC discard			
- CHOICE SDU discard mode		No Discard	

Information Element	Condition	Value/remark	Version
- MAX_DAT		15	
- Transmission window size		128	
- Timer_RST		500	
- Max_RST		4	
- Polling info			
- Timer_poll_prohibit		200	
- Timer_poll		200 Not Brosset	
- Poll_PDU		Not Present	
- Poll_SDU		TDUE	
- Last transmission PDU poll		TRUE TRUE	
- Last retransmission PDU poll		99	
<ul><li>- Poll_Windows</li><li>- Timer_poll_periodic</li></ul>		Not Present	
- CHOICE Downlink RLC mode		AM RLC	
- In-sequence delivery		TRUE	
- Receiving window size		128	
- Downlink RLC status info		120	
- Timer_status_prohibit		200	
- Timer EPC		Not Present	
- Missing PDU indicator		TRUE	
- Timer_STATUS_periodic		Not Present	
- RB mapping info			
- Information for each multiplexing		2 RBMuxOptions	
option			
- RLC logical channel mapping		Not Present	
indicator			
- Number of uplink RLC logical		1	
channels			
<ul> <li>Uplink transport channel type</li> </ul>		DCH	
<ul> <li>UL Transport channel identity</li> </ul>		1	
- Logical channel identity		Not Present	
- CHOICE RLC size list		Configured	
<ul> <li>MAC logical channel priority</li> </ul>		8	
- Downlink RLC logical channel info			
- Number of downlink RLC logical		1	
channels		DO!!	
- Downlink transport channel type		DCH	
- DL DCH Transport channel		6	
identity		Not Droppet	
- DL DSCH Transport channel		Not Present	
identity		Not Present	
- Logical channel identity		Not Present	
- RLC logical channel mapping		Not Present	
indicator - Number of uplink RLC logical		1	
channels		1	
- Uplink transport channel type		RACH	
- UL Transport channel identity		Not Present	
- Logical channel identity		7	
- CHOICE RLC size list		Explicit list	
- RLC size index		Reference to clause 6 Parameter Set	
- MAC logical channel priority		8	
- Downlink RLC logical channel info		Ĭ	
- Number of downlink RLC logical		1	
channels			
- Downlink transport channel type		FACH	
- DL DCH Transport channel		Not Present	
identity			
- DL DSCH Transport channel		Not Present	
identity			
- Logical channel identity		7	
- RAB information for setup	A9		REL-5
- RAB info		(high-speed AM DTCH for PS domain)	
- RAB identity		0000 0110B	
		The first/ leftmost bit of the bit string	
1	1	contains the most significant bit of the	ĺ
		RAB identity.	

Information Element	Condition	Value/remark	Version
<ul> <li>CN domain identity</li> </ul>		PS domain	
- NAS Synchronization Indicator		Not Present	
- Re-establishment timer		useT315	
- RB information to setup			
- RB identity		25	
- PDCP info		EALOE	
- Support for lossless SRNS		FALSE	
relocation		Network	
- Max PDCP SN window size		Not present	
- PDCP PDU header		Absent	
- Header compression information		Not present	
- CHOICE RLC info type		RLC info	
- CHOICE Uplink RLC mode		AM RLC	
- Transmission RLC discard - CHOICE SDU discard mode		No Discard	
- MAX_DAT - Transmission window size		15   128	
- Transmission window size - Timer_RST		500	
- Max_RST		4	
- Max_R31 - Polling info			
- Timer_poll_prohibit		100	
- Timer_poll_profilbit		100	
- Poll PDU		Not Present	
- Poll SDU		1	
- Last transmission PDU poll		TRUE	
- Last retransmission PDU poll		TRUE	
- Poll_Windows		99	
- Timer_poll_periodic		Not Present	
- CHOICE Downlink RLC mode		AM RLC	
- CHOICE Downlink RLC PDU Size		Reference to clause 6 Parameter Set	
- In-sequence delivery		TRUE	
- Receiving window size		768	
- Downlink RLC status info			
<ul><li>- Timer_status_prohibit</li></ul>		100	
- Timer_EPC		Not Present	
- Missing PDU indicator		TRUE	
<ul><li>- Timer_STATUS_periodic</li></ul>		Not Present	
<ul> <li>One sided RLC re-establishment</li> </ul>		<u>FALSE</u>	
- RB mapping info			
- Information for each multiplexing		3 RBMuxOptions	
option			
- RLC logical channel mapping		Not Present	
indicator			
- Number of uplink RLC logical		1	
channels		DOLL	
- Uplink transport channel type		DCH	
- UL Transport channel identity		Not Present	
- Logical channel identity - CHOICE RLC size list		Not Present	
		Configured 8	
MAC logical channel priority     Downlink RLC logical channel info		O	
- Number of downlink RLC logical		1	
channels			
- Downlink transport channel type		DCH	
- DL DCH Transport channel		16	
identity			
- DL DSCH Transport channel		Not Present	
identity		1.00011	
- DL HS-DSCH MAC-d flow		Not Present	
identity			
- Logical channel identity		Not Present	
- RLC logical channel mapping		Not Present	
indicator			
- Number of uplink RLC logical		1	
channels			
<ul> <li>Uplink transport channel type</li> </ul>		DCH	
- UL Transport channel identity		1	
	•	•	•

Information Element	Condition	Value/remark	Version
- Logical channel identity		Not Present	
- CHOICE RLC size list		Configured	
- MAC logical channel priority		8	
- Downlink RLC logical channel info			
- Number of downlink RLC logical channels		1	
- Downlink transport channel type		HS-DSCH	
- DL DCH Transport channel		Not Present	
identity			
- DL DSCH Transport channel		Not Present	
identity			
- DL HS-DSCH MAC-d flow		0	
identity		Not Book and	
<ul> <li>Logical channel identity</li> <li>RLC logical channel mapping</li> </ul>		Not Present Not Present	
indicator		INOT Present	
- Number of uplink RLC logical		1	
channels			
- Uplink transport channel type		RACH	
- UL Transport channel identity		Not Present	
<ul> <li>Logical channel identity</li> </ul>		7	
- CHOICE RLC size list		Explicit list	
- RLC size index		Reference to clause 6 Parameter Set	
- MAC logical channel priority		8	
<ul> <li>Downlink RLC logical channel info</li> <li>Number of downlink RLC logical</li> </ul>		1	
channels			
- Downlink transport channel type		FACH	
- DL DCH Transport channel		Not Present	
identity			
- DL DSCH Transport channel		Not Present	
identity		_	
- Logical channel identity	A 4 0	7	DEL 5
- RAB information for setup - RAB info	A10	(high aroad AM DTCH for DS domain)	REL-5
- RAB illio - RAB identity		(high-speed AM DTCH for PS domain)	
To the identity		The first/ leftmost bit of the bit string	
		contains the most significant bit of the	
		RAB identity.	
- CN domain identity		PS domain	
- NAS Synchronization Indicator		Not Present	
- Re-establishment timer		useT315	
- RB information to setup - RB identity		25	
- RB identity - PDCP info			
- Support for lossless SRNS		FALSE	
relocation			
- Max PDCP SN window size		Not present	
- PDCP PDU header		Absent	
- Header compression information		Not present	
- CHOICE RLC info type		RLC info	
- CHOICE Uplink RLC mode - Transmission RLC discard		AM RLC	
- CHOICE SDU discard mode		No Discard	
- MAX DAT		15	
- Transmission window size		128	
- Timer_RST		500	
- Max_RST		4	
- Polling info		100	
- Timer_poll_prohibit		100  100	
- Timer_poll	i		
I - Poll PDII		INot Present	
- Poll_PDU - Poll_SDU		Not Present	
- Poll_SDU			
		1	
- Poll_SDU - Last transmission PDU poll		1 TRUE	

Information Element	Condition	Value/remark	Version
- CHOICE Downlink RLC mode		AM RLC	
- CHOICE Downlink RLC PDU Size		Reference to clause 6 Parameter Set	
- In-sequence delivery		TRUE	
<ul> <li>Receiving window size</li> <li>Downlink RLC status info</li> </ul>		768	
- Downlink RLC status into		100	
- Timer_status_profilbit		Not Present	
- Missing PDU indicator		TRUE	
- Timer_STATUS_periodic		Not Present	
- One sided RLC re-establishment		<u>FALSE</u>	
<ul> <li>RB mapping info</li> </ul>			
- Information for each multiplexing		1 RBMuxOption	
option		Notes	
- RLC logical channel mapping		Not present	
indicator - Number of uplink RLC logical		1	
channels		1	
- Uplink transport channel type		DCH	
- UL Transport channel identity		1	
- Logical channel identity		Not Present	
- CHOICE RLC size list		Configured	
<ul> <li>MAC logical channel priority</li> </ul>		8	
- Downlink RLC logical channel info			
- Number of downlink RLC logical		1	
channels  Downlink transport channel type		HS-DSCH	
<ul> <li>Downlink transport channel type</li> <li>DL DCH Transport channel</li> </ul>			
identity		Not present	
- DL DSCH Transport channel		Not present	
identity - DL HS-DSCH MAC-d flow		0	
identity		Not Present	
<ul> <li>Logical channel identity</li> <li>RAB information for setup</li> </ul>	A11	Not Flesent	
- RAB info		(AM DTCH for PS domain)	
- RAB identity		0000 0101B	
-		The first/ leftmost bit of the bit string	
		contains the most significant bit of the	
		RAB identity.	
- CN domain identity		PS domain	
<ul> <li>NAS Synchronization Indicator</li> <li>Re-establishment timer</li> </ul>		Not Present	
- RB information to setup		useT315	
- RB information to setup - RB identity		20	
- PDCP info			
- Support for lossless SRNS		FALSE	
relocation			
- Max PDCP SN window size		Not present	
- PDCP PDU header		Absent	
- Header compression information		Not present	
- CHOICE Unlink BLC mode		RLC info	
<ul> <li>CHOICE Uplink RLC mode</li> <li>Transmission RLC discard</li> </ul>		AM RLC	
- CHOICE SDU discard mode		No Discard	
- MAX DAT		15	
- Transmission window size		128	
- Timer_RST		500	
- Max_RST		4	
- Polling info			
- Timer_poll_prohibit		200	
- Timer_poll		200	
- Poll_PDU		Not Present	
<ul><li>- Poll_SDU</li><li>- Last transmission PDU poll</li></ul>		TRUE	
		TRUE	
<ul><li>Last retransmission PDU poll</li><li>Poll_Windows</li><li>Timer_poll_periodic</li></ul>		Not Present	

Information Element	Condition	Value/remark	Version
- CHOICE Downlink RLC mode		AM RLC	
- In-sequence delivery		TRUE	
- Receiving window size		128	
- Downlink RLC status info		000	
- Timer_status_prohibit		200  Not Present	
- Timer_EPC - Missing PDU indicator		TRUE	
- Timer_STATUS_periodic		Not Present	
- RB mapping info		THOU TOO SHE	
- Information for each multiplexing		2 RBMuxOptions	
option		·	
<ul> <li>RLC logical channel mapping</li> </ul>		Not Present	
indicator			
- Number of uplink RLC logical		1	
channels		DOLL	
- Uplink transport channel type		DCH	
- UL Transport channel identity     - Logical channel identity		4  Not Present	
- CHOICE RLC size list		Configured	
- MAC logical channel priority		l8	
- Downlink RLC logical channel info		-	
- Number of downlink RLC logical		1	
channels			
- Downlink transport channel type		DCH	
- DL DCH Transport channel		9	
identity			
- DL DSCH Transport channel		Not Present	
identity		Not Document	
<ul><li>Logical channel identity</li><li>RLC logical channel mapping</li></ul>		Not Present Not Present	
indicator		Not Flesent	
- Number of uplink RLC logical		1	
channels			
- Uplink transport channel type		RACH	
- UL Transport channel identity		Not Present	
<ul> <li>Logical channel identity</li> </ul>		7	
- CHOICE RLC size list		Explicit list	
- RLC size index		Reference to clause 6 Parameter Set	
- MAC logical channel priority		8	
- Downlink RLC logical channel info			
- Number of downlink RLC logical channels			
- Downlink transport channel type		FACH	
- DL DCH Transport channel		Not Present	
identity			
- DL DSCH Transport channel		Not Present	
identity			
- Logical channel identity		7	
RB information to be affected	A1, A2, A3, A4, A5,	Not Present	
	A6, A7, A8, A11		DEL 5
Downlink counter our shrewing the sinfe	, A9, A10	Not Dropont	REL-5
Downlink counter synchronization info	A1, A2, A3, A4, A5, A6, A7, A8, A11	Not Present	
	, A9, A10		REL-5
UL Transport channel information for all	A1, A2, A3, A4, A5,		0
transport channels	A6, A7, A8, A11		
,	, A9, A10		REL-5
- PRACH TFCS		Not Present	
- CHOICE mode		FDD	
- TFC subset		Not Present	
- UL DCH TFCS		No	
- CHOICE TFCI signalling		Normal	
- TFCI Field 1 information - CHOICE TFCS representation		Complete reconfiguration	
- TFCS complete reconfigure		Complete reconfiguration	
information			
- CHOICE CTFC Size		Number of bits used must be enough to	
3.13.02 311 3 3120	I	1	i l

Information Element	Condition	Value/remark	Version
		cover all combinations of CTFC from	
OTEO information		clause 6.10.2.4 Parameter Set.	
- CTFC information		This IE is repeated for TFC numbers and reference to clause 6.10.2.4 Parameter	
		Set	
- CTFC		Reference to clause 6.10.2.4 Parameter	
		Set	
- Power offset information			
- CHOICE Gain Factors		Computed Gain Factors(The last TFC is	
		set to Signalled Gain Factors)	
- Gain factor βc		11 (below 64 kbps) 9 (higher than 64 kbps) (Not Present if	
		the CHOICE Gain Factors is set to	
		Computed Gain Factors)	
- Gain factor βd		15	
·		(Not Present if the CHOICE Gain	
		Factors is set to Computed Gain	
D ( TEO ID		Factors)	
- Reference TFC ID - CHOICE mode		0 FDD	
- Power offset P p-m		Not Present	
Deleted UL TrCH information	A1, A2, A3, A4, A5,	Not Present	
	A6, A7, A8, A11		
	, A9, A10		REL-5
Added or Reconfigured UL TrCH	A1, A3 A4, A5, A6,	1 DCH added, 1 DCH reconfigured (if	
information	A7 , A9, A10	from cell_DCH) OR 2 DCHs added (if from cell_FACH)	REL-5
- Uplink transport channel type	, A9, A10	IDCH	NEL-3
- UL Transport channel identity		1	
- TFS			
- CHOICE Transport channel type		Dedicated transport channels	
- Dynamic Transport format			
information - RLC Size		Reference to clause 6.10 Parameter Set	
- Number of TBs and TTI List		(This IE is repeated for TFI number.)	
- Transmission Time Interval		Not Present	
<ul> <li>Number of Transport blocks</li> </ul>		Reference to clause 6.10 Parameter Set	
- CHOICE Logical channel list		All	
- Semi-static Transport Format information			
- Transmission time interval		Reference to clause 6.10 Parameter Set	
- Type of channel coding		Reference to clause 6.10 Parameter Set	
- Coding Rate		Reference to clause 6.10 Parameter Set	
<ul> <li>Rate matching attribute</li> </ul>		Reference to clause 6.10 Parameter Set	
- CRC size		Reference to clause 6.10 Parameter Set	
Uplink transport channel type     UL Transport channel identity		DCH 5	
- OE Transport charmer identity		Ĭ	
- CHOICE Transport channel type		Dedicated transport channels	
- Dynamic Transport format			
information		Deference to elever 0.40 December 2.1	
- RLC Size - Number of TBs and TTI List		Reference to clause 6.10 Parameter Set	
- Transmission Time Interval		(This IE is repeated for TFI number.) Not Present	
- Number of Transport blocks		Reference to clause 6.10 Parameter Set	
- CHOICE Logical channel list		All	
- Semi-static Transport Format			
information		D. C	
- Transmission time interval		Reference to clause 6.10 Parameter Set	
- Type of channel coding - Coding Rate		Reference to clause 6.10 Parameter Set Reference to clause 6.10 Parameter Set	
- Rate matching attribute		Reference to clause 6.10 Parameter Set	
- CRC size		Reference to clause 6.10 Parameter Set	
Added or Reconfigured UL TrCH	A11	1 DCH added for DTCH	
information		DOLL	
Uplink transport channel type     UL Transport channel identity		DCH 4	
- OL Transport Channel Identity	I	l_	ļ

Information Element	Condition	Value/remark	Version
- TFS			
<ul> <li>CHOICE Transport channel type</li> </ul>		Dedicated transport channels	
- Dynamic Transport format		·	
nformation			
- RLC Size		Reference to clause 6.10 Parameter Set	
- Number of TBs and TTI List		(This IE is repeated for TFI number.)	
- Transmission Time Interval		Not Present	
- Number of Transport blocks		Reference to clause 6.10 Parameter Set	
- CHOICE Logical channel list		All	
- Semi-static Transport Format			
nformation			
<ul> <li>Transmission time interval</li> </ul>		Reference to clause 6.10 Parameter Set	
<ul> <li>Type of channel coding</li> </ul>		Reference to clause 6.10 Parameter Set	
- Coding Rate		Reference to clause 6.10 Parameter Set	
<ul> <li>Rate matching attribute</li> </ul>		Reference to clause 6.10 Parameter Set	
- CRC size		Reference to clause 6.10 Parameter Set	
Added or Reconfigured UL TrCH	A2, A8	4 TrCHs(DCH for DCCH and 3DCHs for	
nformation	712,710	DTCH)	
- Uplink transport channel type		DCH	
- UL Transport channel identity		5	
- TFS			
- CHOICE Transport channel type		Dedicated transport channels	
<ul> <li>Dynamic Transport format</li> </ul>			
nformation			
- RLC Size		Reference to clause 6.10 Parameter Set	
<ul> <li>Number of TBs and TTI List</li> </ul>		(This IE is repeated for TFI number.)	
- Transmission Time Interval		Not Present	
- Number of Transport blocks		Reference to clause 6.10 Parameter Set	
- CHOICE Logical channel list		All	
- Semi-static Transport Format		/ Wi	
information			
- Transmission time interval		Reference to clause 6.10 Parameter Set	
- Type of channel coding		Reference to clause 6.10 Parameter Set	
- Coding Rate		Reference to clause 6.10 Parameter Set	
<ul> <li>Rate matching attribute</li> </ul>		Reference to clause 6.10 Parameter Set	
- CRC size		Reference to clause 6.10 Parameter Set	
<ul> <li>Uplink transport channel type</li> </ul>		DCH	
- UL Transport channel identity		1	
- TFS			
- CHOICE Transport channel type		Dedicated transport channels	
- Dynamic Transport format		Dedicated transport charmers	
information			
		Reference to clause 6.10 Parameter Set	
- RLC Size			
- Number of TBs and TTI List		(This IE is repeated for TFI number.)	
- Transmission Time Interval		Not Present	
<ul> <li>Number of Transport blocks</li> </ul>		Reference to clause 6.10 Parameter Set	
<ul> <li>CHOICE Logical channel list</li> </ul>		All	
<ul> <li>Semi-static Transport Format</li> </ul>			
nformation			
- Transmission time interval		Reference to clause 6.10 Parameter Set	
- Type of channel coding		Reference to clause 6.10 Parameter Set	
- Coding Rate		Reference to clause 6.10 Parameter Set	
- Rate matching attribute		Reference to clause 6.10 Parameter Set	
- CRC size		Reference to clause 6.10 Parameter Set	
- Uplink transport channel type		DCH	
- UL Transport channel identity		2	
- TFS			
<ul> <li>CHOICE Transport channel type</li> </ul>		Dedicated transport channels	
- Dynamic Transport format			
nformation			
- RLC Size		Reference to clause 6.10 Parameter Set	
- Number of TBs and TTI List		(This IE is repeated for TFI number.)	
- Transmission Time Interval		Not Present	
- Number of Transport blocks		Reference to clause 6.10 Parameter Set	
- CHOICE Logical channel list		All	
<ul> <li>Semi-static Transport Format</li> </ul>	1		
nformation			

Information Element	Condition	Value/remark	Version
<ul> <li>Transmission time interval</li> </ul>		Reference to clause 6.10 Parameter Set	
<ul> <li>Type of channel coding</li> </ul>		Reference to clause 6.10 Parameter Set	
- Coding Rate		Reference to clause 6.10 Parameter Set	
<ul> <li>Rate matching attribute</li> </ul>		Reference to clause 6.10 Parameter Set	
- CRC size		Reference to clause 6.10 Parameter Set	
<ul> <li>Uplink transport channel type</li> </ul>		DCH	
<ul> <li>UL Transport channel identity</li> </ul>		3	
- TFS			
<ul> <li>CHOICE Transport channel type</li> </ul>		Dedicated transport channels	
- Dynamic Transport format			
nformation			
- RLC Size		Reference to clause 6.10 Parameter Set	
<ul> <li>Number of TBs and TTI List</li> </ul>		(This IE is repeated for TFI number.)	
<ul> <li>Transmission Time Interval</li> </ul>		Not Present	
<ul> <li>Number of Transport blocks</li> </ul>		Reference to clause 6.10 Parameter Set	
- CHOICE Logical channel list		All	
- Semi-static Transport Format			
nformation			
- Transmission time interval		Reference to clause 6.10 Parameter Set	
- Type of channel coding		Reference to clause 6.10 Parameter Set	
- Coding Rate		Reference to clause 6.10 Parameter Set	
- Rate matching attribute		Reference to clause 6.10 Parameter Set	
- CRC size		Reference to clause 6.10 Parameter Set	
CHOICE mode	A1, A2, A3, A4, A5,	FDD	
	A6, A7, A8, A11		
	, A9, A10		REL-5
- CPCH set ID	, ,	Not Present	
- Added or Reconfigured TrCH		Not Present	
information for DRAC list			
DL Transport channel information	A1, A2, A7, A8		
common for all transport channel	, ,		
- SCCPCH TFCS		Not Present	
- CHOICE mode		FDD	
- CHOICE DL parameters		SameasUL	
DL Transport channel information	A3, A4, A5, A6,	Cameaco	
common for all transport channel	A11		
oommon on an damopon onamio.	, A9, A10		REL-5
- SCCPCH TFCS	, , , , , , , , ,	Not Present	0
- CHOICE mode		FDD	
- CHOICE DL parameters		Explicit	
- DL DCH TFCS			
- CHOICE TFCI Signalling		Normal	
- TFCI Field 1 Information			
- CHOICE TFCS representation		Complete reconfiguration	
- TFCS complete reconfigure			
- CHOICE CTFC Size		Number of bits used must be enough to	
3.1313E 311 3 3120		cover all combinations of CTFC from	
		clause 6.10.2.4 Parameter Set.	
- CTFC information		This IE is repeated for TFC numbers and	
		reference to clause 6.10.2.4	
- CTFC		Reference to clause 6.10.2.4 Parameter	
011 0		Set	
- Power offset information		Not Present	
Deleted DL TrCH information	A1, A2, A3, A4, A5,	Not Present	
	A6, A7, A8	THOU TOO THE	
	, A9, A10		REL-5
Added or Reconfigured DL TrCH	A9, A10	1 DCH added, 1 DCH reconfigured	1.62.5
information	7.1	Doi radada, r Doi ricoomigarea	
- Downlink transport channel type		DCH	
- DL Transport channel identity		16	
		Same as UL	
- CHOICE DL parameters		DCH	
- Uplink transport channel type		DOП  4	
<ul><li>- UL TrCH identity</li><li>- DCH quality target</li></ul>		'	
- DUO QUANIVIATORI	1		1
		120	
BLER Quality value     Downlink transport channel type		-2.0 DCH	

Information Element	Condition	Value/remark	Version
- DL Transport channel identity		10	
- CHOICE DL parameters		Same as UL	
<ul> <li>Uplink transport channel type</li> </ul>		DCH	
- UL TrCH identity		5	
- DCH quality target			
- BLER Quality value		-2.0	
Added or Reconfigured DL TrCH	A3, A4, A5, A6, A7	2 TrCHs(DCH for DCCH and DCH for	
nformation	, , , ,	DTCH)	
- Downlink transport channel type		DCH	
- DL Transport channel identity		10	
- CHOICE DL parameters		Same as UL	
- Uplink transport channel type		DCH	
- UL TrCH identity		5	
- DCH quality target		3	
- BLER Quality value		-2.0	
- Downlink transport channel type		DCH	
- DL Transport channel identity		6	
- CHOICE DL parameters		Explicit	
- TFS			
<ul> <li>CHOICE Transport channel type</li> </ul>		Dedicated transport channel	
<ul> <li>Dynamic transport format</li> </ul>			
nformation			
- RLC Size		Reference to clause 6.10 Parameter Set	
<ul> <li>Number of TBs and TTI List</li> </ul>		(This IE is repeated for TFI number.)	
<ul> <li>Transmission Time Interval</li> </ul>		Not Present	
<ul> <li>Number of Transport blocks</li> </ul>		Reference to clause 6.10 Parameter Set	
- CHOICE Logical channel list		All	
- Semi-static Transport Format			
nformation			
- Transmission time interval		Reference to clause 6.10 Parameter Set	
- Type of channel coding		Reference to clause 6.10 Parameter Set	
- Coding Rate		Reference to clause 6.10 Parameter Set	
- Rate matching attribute - CRC size		Reference to clause 6.10 Parameter Set Reference to clause 6.10 Parameter Set	
		Reference to clause 6. 10 Parameter Set	
- DCH quality target			
- BLER Quality value		-2.0	
Added or Reconfigured DL TrCH	A2, A8	4 TrCHs(DCH for DCCH and 3DCHs for	
nformation		DTCH)	
<ul> <li>Downlink transport channel type</li> </ul>		DCH	
<ul> <li>DL Transport channel identity</li> </ul>		10	
<ul> <li>CHOICE DL parameters</li> </ul>		Same as UL	
<ul> <li>Uplink transport channel type</li> </ul>		DCH	
- UL TrCH identity		5	
- DCH quality target			
- BLER Quality value		2.0	
<ul> <li>Downlink transport channel type</li> </ul>		DCH	
- DL Transport channel identity		6	
- CHOICE DL parameters		Explicit	
- TFS		F	
- CHOICE Transport channel type		Dedicated transport channel	
- Dynamic transport format		2 saleated transport original	
nformation			
- RLC Size		Reference to clause 6.10 Parameter Set	
- Number of TBs and TTI List		(This IE is repeated for TFI number.)	
		This is repeated for 11'l Hulliber.)	
- Dynamic transport format			
nformation		Not Droppet	
- Transmission Time Interval		Not Present	
- Number of Transport blocks		Reference to clause 6.10 Parameter Set	
- CHOICE Logical channel list		All	
- Semi-static Transport Format			
nformation			
	1	Reference to clause 6.10 Parameter Set	
- Transmission time interval			
- Transmission time interval		Reference to clause 6.10 Parameter Set	
<ul><li>Transmission time interval</li><li>Type of channel coding</li></ul>		Reference to clause 6.10 Parameter Set Reference to clause 6.10 Parameter Set	
<ul><li>Transmission time interval</li><li>Type of channel coding</li><li>Coding Rate</li></ul>		Reference to clause 6.10 Parameter Set	
<ul><li>Transmission time interval</li><li>Type of channel coding</li></ul>			

Information Element	Condition	Value/remark	Version
- BLER Quality value		Not Present	
<ul> <li>Downlink transport channel type</li> </ul>		DCH	
- DL Transport channel identity		7	
- CHOICE DL parameters		Explicit	
- TFS		Dedicated transport of the second	
- CHOICE Transport channel type		Dedicated transport channel	
- Dynamic transport format information			
- RLC Size		Reference to clause 6.10 Parameter Set	
- Number of TBs and TTI List		(This IE is repeated for TFI number.)	
- Dynamic transport format		(This is is repeated for TET Hulliber.)	
information			
- Transmission Time Interval		Not Present	
- Number of Transport blocks		Reference to clause 6.10 Parameter Set	
- CHOICE Logical channel list		All	
- Semi-static Transport Format			
information			
- Transmission time interval		Reference to clause 6.10 Parameter Set	
- Type of channel coding		Reference to clause 6.10 Parameter Set	
- Coding Rate		Reference to clause 6.10 Parameter Set	
- Rate matching attribute		Reference to clause 6.10 Parameter Set	
- CRC size		Reference to clause 6.10 Parameter Set	
- DCH quality target			
- BLER Quality value		Not Present	
- Downlink transport channel type		DCH	
- DL Transport channel identity		δ Fundinit	
- CHOICE DL parameters		Explicit	
- TFS - CHOICE Transport channel type		Dedicated transport channel	
- CHOICE Transport channel type - Dynamic transport format		Dedicated transport channel	
information			
- RLC Size		Reference to clause 6.10 Parameter Set	
- Number of TBs and TTI List		(This IE is repeated for TFI number.)	
- Dynamic transport format			
information			
- Transmission Time Interval		Not Present	
- Number of Transport blocks		Reference to clause 6.10 Parameter Set	
- CHOICE Logical channel list		All	
- Semi-static Transport Format			
information			
- Transmission time interval		Reference to clause 6.10 Parameter Set	
- Type of channel coding		Reference to clause 6.10 Parameter Set	
- Coding Rate		Reference to clause 6.10 Parameter Set	
- Rate matching attribute - CRC size		Reference to clause 6.10 Parameter Set Reference to clause 6.10 Parameter Set	
- CRC size - DCH quality target		Intereserve to clause of to Parameter Set	
- BLER Quality value		Not Present	
Added or Reconfigured DL TrCH	A9		REL-5
information		HS-DSCH for DTCH)	0
- Downlink transport channel type		DCH	
- DL Transport channel identity		10	
- CHOICE DL parameters		Same as UL	
<ul> <li>Uplink transport channel type</li> </ul>		DCH	
- UL TrCH identity		5	
- DCH quality target			
- BLER Quality value		-2.0	
- Downlink transport channel type		DCH	
- DL Transport channel identity		6	
- CHOICE DL parameters		Explicit	
- TFS		Dedicated transport shares	
- CHOICE Transport channel type		Dedicated transport channel	
- Dynamic transport format			
information		Potoronco to clauso 6 10 Parameter Set	
- RLC Size - Number of TBs and TTI List		Reference to clause 6.10 Parameter Set	
- Number of TBs and TTT List - Dynamic transport format		(This IE is repeated for TFI number.)	
information			
Imormation	I	I	l l

Information Element	Condition	Value/remark	Version
- Transmission Time Interval		Not Present	
- Number of Transport blocks		Reference to clause 6.10 Parameter Set	
- CHOICE Logical channel list - Semi-static Transport Format		All	
information			
- Transmission time interval		Reference to clause 6.10 Parameter Set	
- Type of channel coding		Reference to clause 6.10 Parameter Set	
- Coding Rate		Reference to clause 6.10 Parameter Set	
- Rate matching attribute		Reference to clause 6.10 Parameter Set	
- CRC size		Reference to clause 6.10 Parameter Set	
- DCH quality target			
- BLER Quality value		-2.0	
<ul> <li>Downlink transport channel type</li> </ul>		HS-DSCH	
- DL Transport channel identity		Not Present	
- CHOICE DL parameters		HS-DSCH	
- HARQ Info - Number of Processes		6	
- Number of Processes - CHOICE Memory Partitioning		Implicit	
- Added or reconfigured MAC-d			
flow			
- MAC-hs queue to add or		(one queue)	
reconfigure list		( 4)	
- MAC-hs queue ld		0	
- MAC-d Flow Identity		0	
- T1		50	
- MAC-hs window size		16	
- MAC-d PDU size Info			
- MAC-d PDU size		336	
- MAC-d PDU size index		0	
- MAC-hs queue to delete list		Not present	
- DCH quality target Added or Reconfigured DL TrCH	A10	Not present 2 TrCHs (DCH for DCCH and HS-DSCH	REL-5
information	ATO	for DTCH)	NEL-3
- Downlink transport channel type		DCH	
- DL Transport channel identity		10	
- CHOICE DL parameters		Same as UL	
<ul> <li>Uplink transport channel type</li> </ul>		DCH	
- UL TrCH identity		5	
- DCH quality target			
- BLER Quality value		-2.0	
- Downlink transport channel type		HS-DSCH	
- DL Transport channel identity		Not Present	
- CHOICE DL parameters - HARQ Info		HS-DSCH	
- Number of Processes		6	
- CHOICE Memory Partitioning		Implicit	
- Added or reconfigured MAC-d			
flow			
- MAC-hs queue to add or		(one queue)	
reconfigure list			
- MAC-hs queue ld		0	
- MAC-d Flow Identity		0	
- T1		50	
- MAC-hs window size		16	
- MAC-d PDU size Info - MAC-d PDU size		336	
- MAC-d PDU size - MAC-d PDU size index		0	
- MAC-u FDO size index - MAC-hs queue to delete list		Not present	
- DCH quality target		Not present	
Added or Reconfigured DL TrCH	A11	1 DCH for DTCH	
information			
- Downlink transport channel type		DCH	
- DL Transport channel identity		9	
- CHOICE DL parameters		Explicit	
- TFS		B. F. G. L. L.	
- CHOICE Transport channel type     - Dynamic transport format		Dedicated transport channel	

Information Element	Condition	Value/remark	Version
information - RLC Size - Number of TBs and TTI List - Dynamic transport format		Reference to clause 6.10 Parameter Set (This IE is repeated for TFI number.)	
information - Transmission Time Interval - Number of Transport blocks - CHOICE Logical channel list - Semi-static Transport Format		Not Present Reference to clause 6.10 Parameter Set All	
information - Transmission time interval - Type of channel coding - Coding Rate - Rate matching attribute - CRC size - DCH quality target - BLER Quality value Frequency info	A1, A2, A3, A4, A5,	Reference to clause 6.10 Parameter Set Reference to clause 6.10 Parameter Set -2.0	
- UARFCN uplink (Nu)	A7, A8, 11 , A9, A10	Reference to clause 5.1 Test frequencies if frequency is different from	REL-5
- UARFCN downlink (Nd)		the current frequency otherwise set to Not Present. Reference to clause 5.1 Test frequencies if frequency is different from the current frequency otherwise set to Not Present.	
Frequency info Maximum allowed UL TX power	A6 A1, A2, A3, A4, A7, A8, A11 , A9, A10	Not Present 33dBm	REL-5
Maximum allowed UL TX power CHOICE channel requirement	A5, A6 A1, A2, A3, A4, A7,	Not Present Uplink DPCH info	
- Uplink DPCH power control info - DPCCH power offset - PC Preamble - SRB delay - Power Control Algorithm - TPC step size - Δ <sub>NACK</sub> - Δ <sub>NACK</sub> - Ack-Nack repetition factor - Scrambling code type - Scrambling code number - Number of DPDCH - spreading factor - TFCI existence - Number of FBI bit - Puncturing Limit CHOICE channel requirement - Uplink DPCH power control info - DPCCH power offset	A9, A10	-80dB (i.e. ASN.1 IE value of -40) 1 frame 7 frames Algorithm1 1dB Not Present Not Present Not Present Long 0 (0 to 16777215) Not Present(1) Reference to clause 6.10 Parameter Set Uplink DPCH info	REL-5 REL-5 REL-5
- PC Preamble - SRB delay - Power Control Algorithm - TPC step size - △ <sub>ACK</sub> - △ <sub>NACK</sub> - Ack-Nack repetition factor - Scrambling code type - Scrambling code number - Number of DPDCH - spreading factor - TFCI existence - Number of FBI bit		1 frame 7 frames Algorithm1 1dB 3 3 1 Long 0 (0 to 16777215) Not Present(1) Reference to clause 6.10 Parameter Set Reference to clause 6.10 Parameter Set Reference to clause 6.10 Parameter Set	

Information Element	Condition	Value/remark	Version
- Puncturing Limit	45.40	Reference to clause 6.10 Parameter Set	
CHOICE channel requirement	A5,A6	Not Present	
CHOICE Mode	A1, A2, A3, A4, A5,	FDD	
	A6, A7, A8, A11 , A9, A10		REL-5
- Downlink PDSCH information	, A9, A10	Not Present	REL-3
	A1, A2, A3, A11	Not i resent	
links	711, 712, 710, 7111		
- Downlink DPCH info common for all			
RL			
- Timing indicator		Maintain	
<ul> <li>CFN-targetSFN frame offset</li> </ul>		Not Present	
- Downlink DPCH power control			
information - DPC mode		( (cingle)	
- CHOICE mode		0 (single) FDD	
- Power offset P <sub>Pilot-DPDCH</sub>		0	
- DL rate matching restriction		Not Present	
information			
- Spreading factor		Reference to clause 6.10 Parameter Set	
<ul> <li>Fixed or Flexible Position</li> </ul>		Reference to clause 6.10 Parameter Set	
- TFCI existence		Reference to clause 6.10 Parameter Set	
- CHOICE SF		Reference to clause 6.10 Parameter Set	
- CHOICE mode		FDD	
- DPCH compressed mode info - TX Diversity mode		Not Present None	
- SSDT information		Not Present	
- Default DPCH Offset Value		Not Present	
	A9	THE THE SERVICE STATE OF THE S	REL-5
links			
- Downlink DPCH info common for all			
RL			
- Timing indicator		Maintain	
- CFN-targetSFN frame offset		Not Present	
- Downlink DPCH power control information			
- DPC mode		0 (single)	
- CHOICE mode		IFDD	
- Power offset PPilot-DPDCH		0	
<ul> <li>DL rate matching restriction</li> </ul>		Not Present	
information			
- Spreading factor		Reference to clause 6.10 Parameter Set	
- Fixed or Flexible Position		Reference to clause 6.10 Parameter Set	
- TFCI existence		Reference to clause 6.10 Parameter Set	
- CHOICE SF - CHOICE mode		Reference to clause 6.10 Parameter Set FDD	
- DPCH compressed mode info		Not Present	
- TX Diversity mode		None	
- SSDT information		Not Present	
- Default DPCH Offset Value		Not Present	
- MAC-hs reset indicator		TRUE	
	A4,A7,A8		
links			
- Downlink DPCH info common for all RL			
- Timing indicator		Initialize	
- CFN-targetSFN frame offset		Not Present	
- Downlink DPCH power control			
information			
- DPC mode		0 (single)	
- CHOICE mode		FDD	
- Power offset P <sub>Pilot-DPDCH</sub>		0	
- DL rate matching restriction		Not Present	
information		Reference to eleves 6.10 Reservator 0-1	
<ul><li>Spreading factor</li><li>Fixed or Flexible Position</li></ul>		Reference to clause 6.10 Parameter Set Reference to clause 6.10 Parameter Set	
- TFCI existence		Reference to clause 6.10 Parameter Set	
11 Of Oxidiofice	I	I totoronoo to diadoo o. To I arameter oet	I

Information Element	Condition	Value/remark	Version
- CHOICE SF		Reference to clause 6.10 Parameter Set	
- CHOICE mode		FDD	
<ul> <li>DPCH compressed mode info</li> </ul>		Not Present	
- TX Diversity mode		None	
- SSDT information		Not Present	
- Default DPCH Offset Value		Arbitrary set to value 0306688 by step of 512	
links	A10		REL-5
- Downlink DPCH info common for all RL			
- Timing indicator		Initialize	
<ul> <li>CFN-targetSFN frame offset</li> </ul>		Not Present	
<ul> <li>Downlink DPCH power control</li> </ul>			
information			
- DPC mode		0 (single)	
- CHOICE mode		FDD	
- Power offset PPilot-DPDCH		0	
- DL rate matching restriction		Not Present	
information		Deference to eleves 0.40 December 0.4	
<ul> <li>Spreading factor</li> <li>Fixed or Flexible Position</li> </ul>		Reference to clause 6.10 Parameter Set	
- Fixed or Flexible Position - TFCI existence		Reference to clause 6.10 Parameter Set Reference to clause 6.10 Parameter Set	
- CHOICE SF		Reference to clause 6.10 Parameter Set	
- CHOICE SF - CHOICE mode		FDD	
- DPCH compressed mode info		Not Present	
- TX Diversity mode		None	
- SSDT information		Not Present	
- Default DPCH Offset Value		Arbitrary set to value 0306688 by step	
2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2		of 512	
- MAC-hs reset indicator		TRUE	
Downlink HS-PDSCH Information	A1, A2, A3, A4, A5,	Not Present	REL-5
Downlink HS-PDSCH Information	A6, A7, A8, A11 A9, A10		REL-5
- HS-SCCH Info		EDD	
- CHOICE mode		FDD Not present	
<ul> <li>DL Scrambling Code</li> <li>HS-SCCH Channelisation Code</li> </ul>		Not present	
Information			
- HS-SCCH Channelisation		1	
Code		i ·	
- Measurement Feedback Info			
- CHOICE mode		FDD	
- POhsdsch		6 dB	
<ul> <li>CQI Feedback cycle, k</li> </ul>		4 ms	
<ul> <li>CQI repetition factor</li> </ul>		1	
- $\Delta_{ extsf{CQI}}$		5 (corresponds to 0dB in relative power offset)	
- CHOICE mode		FDD (no data)	
	A5,A6	Not Present	
links	,,	130111000110	
Downlink information for each radio link	A1, A2, A3, A4, A7,		
list - Downlink information for each radio link	A8, A11		
- Choice mode		FDD	
- Primary CPICH info			
- Primary Scrambling code		Ref. to the Default setting in clause 6.1	
i iiiiai y solaliibiilig oodo		(FDD)	
- PDSCH with SHO DCH info		Not Present	
- PDSCH code mapping		Not Present	
- Serving HS-DSCH radio link		FALSE	REL-5
indicator			
- Downlink DPCH info for each RL			
- Primary CPICH usage for channel		Primary CPICH may be used	
estimation		,	
- DPCH frame offset		Set to value Default DPCH Offset Value (as currently stored in SS) mod 38 400	
		Set to value Default DPCH Offset Value (as currently stored in SS) mod 38 400	

Information Element Condition Value/remark Vers  - Secondary CPICH info - DL channelisation code - Secondary scrambling code - Spreading factor - Code number - Scrambling code change - TPC combination index - SSDT Cell Identity - Closed loop timing adjustment mode - SCCPCH information for FACH Downlink information for each radio link list - Downlink information for each radio link - Choice mode - Primary CPICH info	
- DL channelisation code - Secondary scrambling code - Spreading factor - Code number - Scrambling code change - TPC combination index - SSDT Cell Identity - Closed loop timing adjustment mode - SCCPCH information for FACH Downlink information for each radio link list - Downlink information for each radio link - Choice mode - Primary CPICH info	
- Secondary scrambling code - Spreading factor - Code number - Scrambling code change - TPC combination index - SSDT Cell Identity - Closed loop timing adjustment mode - SCCPCH information for FACH Downlink information for each radio link list - Downlink information for each radio link - Choice mode - Primary CPICH info	
- Spreading factor - Code number - Scrambling code change - TPC combination index - SSDT Cell Identity - Closed loop timing adjustment mode - SCCPCH information for FACH Downlink information for each radio link list - Downlink information for each radio link - Choice mode - Primary CPICH info	
- Code number - Scrambling code change - TPC combination index - SSDT Cell Identity - Closed loop timing adjustment mode - SCCPCH information for FACH Downlink information for each radio link list - Downlink information for each radio link - Choice mode - Primary CPICH info	
- Scrambling code change - TPC combination index - SSDT Cell Identity - Closed loop timing adjustment mode - SCCPCH information for FACH Downlink information for each radio link list - Downlink information for each radio link - Choice mode - Primary CPICH info	
- TPC combination index - SSDT Cell Identity - Closed loop timing adjustment mode - SCCPCH information for FACH Downlink information for each radio link list - Downlink information for each radio link - Choice mode - Primary CPICH info	
- SSDT Cell Identity - Closed loop timing adjustment mode - SCCPCH information for FACH Downlink information for each radio link list - Downlink information for each radio link - Choice mode - Primary CPICH info	
- Closed loop timing adjustment mode - SCCPCH information for FACH Downlink information for each radio link list - Downlink information for each radio link - Choice mode - Primary CPICH info	
mode - SCCPCH information for FACH Downlink information for each radio link list - Downlink information for each radio link - Choice mode - Primary CPICH info	
- SCCPCH information for FACH Downlink information for each radio link list - Downlink information for each radio link - Choice mode - Primary CPICH info	
Downlink information for each radio link list - Downlink information for each radio link - Choice mode - Primary CPICH info	
list - Downlink information for each radio link - Choice mode - Primary CPICH info	
- Downlink information for each radio link - Choice mode - Primary CPICH info	
- Choice mode - Primary CPICH info	
- Primary CPICH info	
- Primary scrambling code Ref. to the Default setting in clause 6.1	
(FDD)	
- PDSCH with SHO DCH info	
- PDSCH code mapping Not Present	
- Serving HS-DSCH radio link indicator FALSE REL-5	
- Downlink DPCH info for each RL Not present	
- SCCPCH information for FACH  Not Present	
Downlink information for each radio link A9, A10 REL-5	
list	
- Downlink information for each radio link	
- Choice mode FDD	
- Primary CPICH info	
- Primary scrambling code Ref. to the Default setting in clause 6.1	
(FDD)	
- PDSCH with SHO DCH info Not Present	
- PDSCH code mapping Not Present	
- Serving HS-DSCH radio link TRUE	
lindicator	
- Downlink DPCH info for each RL	
- Primary CPICH usage for channel Primary CPICH may be used	
estimation	
- DPCH frame offset Set to value Default DPCH Offset Value	
(as currently stored in SS) mod 38 400	
- Secondary CPICH info Not Present	
- DL channelisation code	
- Secondary scrambling code Not present	
- Spreading factor Reference to clause 6.10 Parameter Set	
- Code number 0	
- Scrambling code change No code change	
- TPC combination index 0	
- SSDT Cell Identity Not Present	
- Closed loop timing adjustment Not Present	
mode	
- SCCPCH information for FACH Not Present	
Downlink information for each radio link	
list	

Condition	Explanation	Version
A1	This IE is needed for "Non speech to CELL_DCH from CELL_DCH in CS"	
A2	This IE is needed for "Speech to CELL_DCH from CELL_DCH in CS"	
A3	This IE is needed for "Packet to CELL_DCH from CELL_DCH in PS"	
A4	This IE is needed for "Packet to CELL_DCH from CELL_FACH in PS"	
A5	This IE is needed for "Packet to CELL_FACH from CELL_DCH in PS"	
A6	This IE is needed for "Packet to CELL_FACH from CELL_FACH in PS"	
A7	This IE is needed for "Non speech to CELL_DCH from CELL_FACH in CS"	
A8	This IE is needed for "Speech to CELL_DCH from CELL_FACH in CS"	
A9	This IE is needed for "Packet to CELL_DCH / HS-DSCH using three multiplexing options", or	REL-5
	when not stated otherwise, for "Packet to CELL_DCH / HS-DSCH from CELL_DCH in PS"	
A10	This IE is needed for "Packet to CELL_DCH / HS-DSCH using one multiplexing option", or	REL-5
	when not stated otherwise, for "Packet to CELL_DCH / HS-DSCH from CELL_FACH in PS"	

A11 This IE is needed for " Packet RAB Setup after Speech RAB Setup in CELL\_DCH"

CR-Form-v7.1

# 3GPP TSG-RAN WG5 Meeting #27 Bath, England, 25<sup>th</sup>- 29<sup>th</sup> April 2005

Tdoc **#R5-050913**Agenda Item 8.7.2

	CHANG	E REQUEST		
<del> </del>	34.108 CR 418	⊭ rev - ¤	Current version:	<b>5.4.0</b> <sup> \mathred{\matrod}{\mathred{\mathred{\mathred{\mathred{\mathred{\matrod{</sup>
	ng this form, see bottom of the		e pop-up text over	_
Title: 第	CR to TS34.108 Rel-5; Clar	ification of the referen	co TECS for three	a DR multiplexing
	option (condition A9)	incation of the referen	ce iros loi lille	e KB multiplexing
Source: 第	3GPP TSG RAN WG5 (Tes	ting)		
Work item code: 選	TEI		Date: <mark>⊯ 25</mark>	/04/2005
	F  Jse one of the following categor F (correction) A (corresponds to a correction) B (addition of feature), C (functional modification of the distorbed explanations of the about found in 3GPP TR 21.900.	ction in an earlier release	Ph2 (GS) R96 (Rel R97 (Rel R98 (Rel R99 (Rel Rel-4 (Rel Rel-5 (Rel Rel-6 (Rel	el-5 ollowing releases: M Phase 2) ease 1996) ease 1997) ease 1998) ease 1999) ease 4) ease 5) ease 6) ease 7)
Reason for change:	# 1. In clause 9 Default M specifies three RB map Transport channel IE, 1 HS-DSCH for RB 25. For CTFC calculation in Clause 6.10. Inclusion considering the TF's of waste L1 resources.  2. According to 23.060 access bearer and that value. When the MS in its unused NSAPIs. The RAB Id will also be set	pping options to the UI Fransport channel info  n DL Common Transp of all DCH 6 Transport DCH 6 in CTFC calculated section 14.4, the RAE t information element s itiates activation of a F e first NSAPI value av	E for RB 25. In DI o for DCH 10 for S ort Channel Info t Format Sets will ulations. It is not of B ID is used to ide shall be set identi PDP context, the	Added Reconfig SRB's, DCH 6 and it is referred to I result in UE desirable, leads to entify the radio cal to the NSAPI MS selects one of
Summary of change	TF0=0x336 for DL	on for A9 and change DCH for the HSDPA F	RAB. And in the I	E 'Added or

RB Multiplexing Option cases).

2. Test case will fail a conformant UE.

2. For A9 and A10 replace the RAB ID to '0000 0101'B

It is unclear what kind of TFCS should be used when testing condition A9 (3

TF0 only.

 $\mathfrak{H}$ 

Consequences if

not approved:

Clauses affected:	<b>ж</b> 9.1.1
Other specs Affected:	Y N
Other comments:	★ Change 2 requires TTCN change

#### How to create CRs using this form:

Comprehensive information and tips about how to create CRs can be found at <a href="http://www.3gpp.org/specs/CR.htm">http://www.3gpp.org/specs/CR.htm</a>. 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 <a href="ftp://ftp.3gpp.org/specs/">ftp://ftp.3gpp.org/specs/</a> 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.

## Contents of RADIO BEARER SETUP message: AM or UM

Information Element	Condition	Value/remark	Version
Message Type	A1, A2, A3, A4, A5,		
	A6, A7, A8, A11		DEL 5
RRC transaction identifier	, A9, A10	Arbitrarily selects an integer between 0	REL-5
		and 3	
Integrity check info			
- message authentication code		SS calculates the value of MAC-I for this message and writes to this IE. The first/	
		leftmost bit of the bit string contains the	
		most significant bit of the MAC-I.	
- RRC message sequence number		SS provides the value of this IE, from its	
Integrity protection mode info		internal counter. Not Present	
Ciphering mode info		Not Present	
Activation time	A1, A2, A3, A11	(256+CFN-(CFN MOD 8 + 8))MOD 256	
A satisfactions at the s	, A9	Not Decemb	REL-5
Activation time	A4, A5, A6, A7, A8 A10	Not Present	REL-5
New U-RNTI		Not Present	INCL-5
	A6, A7, A8, A11		
Now C DAIT	, A9, A10	Not Drocont	REL-5
New C-RNTI	A1, A2, A3, A4, A7, A8, A11	Not Present	
	, A9, A10		REL-5
New C-RNTI	A5, A6	'1010 1010 1010 1010'	
New DSCH-RNTI	A1, A2, A3, A4, A5,	Not Present	
	A6, A7, A8, A11 , A9, A10		REL-5
New H-RNTI		Not Present	REL-5
	A6, A7, A8, A11		
New H-RNTI	A9, A10	'1010 1010 1010 1010'	REL-5
RRC State indicator	A1, A2, A3, A4, A7, A8, A11	CELL_DCH	
	, A9, A10		REL-5
RRC State indicator	A5, A6	CELL_FACH	
UTRAN DRX cycle length coefficient	A1, A2, A3, A4, A5, A6, A7, A8, A11	Not Present	
	, A9, A10		REL-5
CN information info	,	Not Present	
URA identity		Not Present	
- Signalling RB information to setup - RAB information for setup	A1, A7	Not Present	
- RAB info	7(1,7(1		
- RAB identity		0000 0001B	
		The first/ leftmost bit of the bit string	
		contains the most significant bit of the RAB identity.	
- CN domain identity		CS domain	
<ul> <li>NAS Synchronization Indicator</li> </ul>		Not Present	
- Re-establishment timer - RB information to setup		useT314	
- RB identity		10	
- PDCP info		Not Present	
- CHOICE RLC info type		RLC info	
- CHOICE Uplink RLC mode - Transmission RLC discard		TM RLC Not Present	
- Segmentation indication		FALSE	
- CHOICE Downlink RLC mode		TM RLC	
- Segmentation indication		FALSE	
- RB mapping info - Information for each multiplexing			
option			
- RLC logical channel mapping		Not Present	
indicator	1	I	

Information Element	Condition	Value/remark	Version
- Number of uplink RLC logical		1	
channels			
- Uplink transport channel type		DCH	
- UL Transport channel identity     - Logical channel identity		1  Not Present	
- CHOICE RLC size list		Configured	
- MAC logical channel priority		7	
- Downlink RLC logical channel info			
- Number of downlink RLC logical		1	
channels		DCH	
<ul> <li>Downlink transport channel type</li> <li>DL DCH Transport channel</li> </ul>		6	
identity			
- DL DSCH Transport channel		Not Present	
identity			
- Logical channel identity	40.40	Not Present	
- RAB information for setup - RAB info	A2, A8		
- RAB into		0000 0001B	
To B identity		The first/ leftmost bit of the bit string	
		contains the most significant bit of the	
		RAB identity.	
- CN domain identity		CS domain	
NAS Synchronization Indicator     Re-establishment timer		Not Present useT314	
- Re-establishment limer		use 1314	
- RB identity		10	
- PDCP info		Not Present	
- CHOICE RLC info type		RLC info	
- CHOICE Uplink RLC mode		TM RLC	
- Transmission RLC discard		Not Present	
- Segmentation indication - CHOICE Downlink RLC mode		FALSE TM RLC	
- Segmentation indication		FALSE	
- RB mapping info			
<ul> <li>Information for each multiplexing</li> </ul>			
option		Not Donout	
- RLC logical channel mapping indicator		Not Present	
- Number of uplink RLC logical		1	
channels		l'	
<ul> <li>Uplink transport channel type</li> </ul>		DCH	
<ul> <li>UL Transport channel identity</li> </ul>		1	
- Logical channel identity		Not Present	
- CHOICE RLC size list - MAC logical channel priority		Configured  6	
- Downlink RLC logical channel info			
- Number of downlink RLC logical		1	
channels			
- Downlink transport channel type		DCH	
- DL DCH Transport channel		6	
identity - DL DSCH Transport channel		Not Present	
identity			
- Logical channel identity		Not Present	
- RB identity		11	
- PDCP info		Not Present	
- CHOICE RLC info type - CHOICE Uplink RLC mode		RLC info TM RLC	
- Transmission RLC discard		Not Present	
- Segmentation indication		FALSE	
- CHOICE Downlink RLC mode		TM RLC	
- Segmentation indication		FALSE	
- RB mapping info			
- Information for each multiplexing			
option - RLC logical channel mapping		Not Present	
The logical charmer mapping	I	process reducing	Ţ

Information Element	Condition	Value/remark	Version
indicator		1	
- Number of uplink RLC logical channels			
<ul> <li>Uplink transport channel type</li> </ul>		DCH	
- UL Transport channel identity		Not Decorat	
<ul><li>Logical channel identity</li><li>CHOICE RLC size list</li></ul>		Not Present Configured	
- MAC logical channel priority		6	
- Downlink RLC logical channel info			
- Number of downlink RLC logical		1	
channels - Downlink transport channel type		DCH	
- DL DCH Transport channel		7	
identity			
- DL DSCH Transport channel		Not Present	
identity - Logical channel identity		Not Present	
- RB identity		12	
- PDCP info		Not Present	
- CHOICE RLC info type		RLC info	
- CHOICE Uplink RLC mode - Transmission RLC discard		TM RLC Not Present	
- Segmentation indication		FALSE	
- CHOICE Downlink RLC mode		TM RLC	
- Segmentation indication		FALSE	
<ul> <li>RB mapping info</li> <li>Information for each multiplexing</li> </ul>			
option			
- RLC logical channel mapping		Not Present	
- Number of uplink RLC logical		1	
channels		1	
<ul> <li>Uplink transport channel type</li> </ul>		DCH	
- UL Transport channel identity		3	
<ul><li>Logical channel identity</li><li>CHOICE RLC size list</li></ul>		Not Present Configured	
- MAC logical channel priority		6	
- Downlink RLC logical channel info			
- Number of downlink RLC logical		1	
channels - Downlink transport channel type		DCH	
- DL DCH Transport channel		8	
identity			
- DL DSCH Transport channel		Not Present	
identity - Logical channel identity		Not Present	
- RAB information for setup	A3, A4, A5, A6		
- RAB info		(AM DTCH for PS domain)	
- RAB identity		0000 0101B   The first/ leftmost bit of the bit string	
		contains the most significant bit of the	
		RAB identity.	
- CN domain identity		PS domain	
<ul> <li>NAS Synchronization Indicator</li> <li>Re-establishment timer</li> </ul>		Not Present useT315	
- Re-establishment times - RB information to setup		400.1010	
- RB identity		20	
- PDCP info		EALSE	
- Support for lossless SRNS relocation		FALSE	
- Max PDCP SN window size		Not present	
- PDCP PDU header		Absent	
- Header compression information		Not present	
- CHOICE RLC info type - CHOICE Uplink RLC mode		RLC info AM RLC	
- Transmission RLC discard			
- CHOICE SDU discard mode		No Discard	

Information Element	Condition	Value/remark	Version
- MAX_DAT		15	
- Transmission window size		128	
- Timer_RST		500	
- Max_RST		4	
- Polling info		000	
- Timer_poll_prohibit		200	
- Timer_poll		200 Not Procent	
- Poll_PDU - Poll_SDU		Not Present	
		TRUE	
<ul> <li>Last transmission PDU poll</li> <li>Last retransmission PDU poll</li> </ul>		TRUE	
- Poll_Windows		99	
- Foll_willdows - Timer_poll_periodic		Not Present	
- CHOICE Downlink RLC mode		AM RLC	
- In-sequence delivery		TRUE	
- Receiving window size		128	
- Downlink RLC status info		120	
- Timer_status_prohibit		200	
- Timer_States_profiled:		Not Present	
- Missing PDU indicator		TRUE	
- Timer_STATUS_periodic		Not Present	
- RB mapping info			
- Information for each multiplexing		2 RBMuxOptions	
option		·	
- RLC logical channel mapping		Not Present	
indicator			
- Number of uplink RLC logical		1	
channels			
<ul> <li>Uplink transport channel type</li> </ul>		DCH	
<ul> <li>UL Transport channel identity</li> </ul>		1	
<ul> <li>Logical channel identity</li> </ul>		Not Present	
- CHOICE RLC size list		Configured	
<ul> <li>MAC logical channel priority</li> </ul>		8	
- Downlink RLC logical channel info		1.	
- Number of downlink RLC logical		1	
channels		DOLL	
- Downlink transport channel type		DCH	
- DL DCH Transport channel		6	
identity		Not Drocont	
- DL DSCH Transport channel		Not Present	
identity		Not Present	
Logical channel identity     RLC logical channel mapping		Not Present Not Present	
indicator		INOL FIESCIIL	
- Number of uplink RLC logical		1	
channels		'	
- Uplink transport channel type		RACH	
- UL Transport channel identity		Not Present	
- Logical channel identity		7	
- CHOICE RLC size list		Explicit list	
- RLC size index		Reference to clause 6 Parameter Set	
- MAC logical channel priority		8	
- Downlink RLC logical channel info			
- Number of downlink RLC logical		1	
channels			
- Downlink transport channel type		FACH	
- DL DCH Transport channel		Not Present	
identity			
- DL DSCH Transport channel		Not Present	
identity			
- Logical channel identity		7	
- RAB information for setup	A9		REL-5
- RAB info		(high-speed AM DTCH for PS domain)	
- RAB identity		0000 01 <u>01</u> <del>10</del> B	
		The first/leftmost bit of the bit string	
	1	contains the most significant bit of the	

Information Element	Condition	Value/remark	Version
- CN domain identity		PS domain	
- NAS Synchronization Indicator		Not Present	
- Re-establishment timer		useT315	
- RB information to setup			
- RB identity		25	
- PDCP info		EALOE	
- Support for lossless SRNS relocation		FALSE	
- Max PDCP SN window size		Not present	
- PDCP PDU header		Absent	
- Header compression information		Not present	
- CHOICE RLC info type		RLC info	
- CHOICE Uplink RLC mode		AM RLC	
- Transmission RLC discard		/ · · · · ·	
- CHOICE SDU discard mode		No Discard	
- MAX_DAT		15	
- Transmission window size		128	
- Timer_RST		500	
- Max_RST		4	
- Polling info			
- Timer_poll_prohibit		100	
- Timer_poll		100	
- Poll_PDU		Not Present	
- Poll_SDU - Last transmission PDU poll		1 TRUE	
		TRUE	
<ul><li>Last retransmission PDU poll</li><li>Poll_Windows</li></ul>		99	
- Timer_poll_periodic		Not Present	
- CHOICE Downlink RLC mode		AM RLC	
- In-sequence delivery		TRUE	
- Receiving window size		768	
- Downlink RLC status info			
- Timer_status_prohibit		100	
- Timer_EPC		Not Present	
<ul> <li>Missing PDU indicator</li> </ul>		TRUE	
- Timer_STATUS_periodic		Not Present	
- RB mapping info			
- Information for each multiplexing		3 RBMuxOptions	
option		Not Drocont	
- RLC logical channel mapping indicator		Not Present	
- Number of uplink RLC logical		1	
channels		'	
- Uplink transport channel type		DCH	
- UL Transport channel identity		1	
- Logical channel identity		Not Present	
- CHOICE RLC size list		Configured	
<ul> <li>MAC logical channel priority</li> </ul>		8	
- Downlink RLC logical channel info			
- Number of downlink RLC logical		1	
channels		DOLL	
- Downlink transport channel type		DCH	
- DL DCH Transport channel		6	
identity  DL DSCH Transport channel		Not Present	
- DL DSCH Transport channel identity		INOL FIESCIIL	
- DL HS-DSCH MAC-d flow		Not Present	
identity		1100111	
- Logical channel identity		Not Present	
- RLC logical channel mapping		Not Present	
indicator			
- Number of uplink RLC logical		1	
channels			
<ul> <li>Uplink transport channel type</li> </ul>		DCH	
- UL Transport channel identity		1	
- Logical channel identity		Not Present	
- CHOICE RLC size list		Configured	

Information Element	Condition	Value/remark	Version
- MAC logical channel priority		8	
- Downlink RLC logical channel info			
- Number of downlink RLC logical		1	
channels		LIO BOOLI	
- Downlink transport channel type		HS-DSCH	
- DL DCH Transport channel		Not Present	
identity DL DCCLL Transport sharped		Not Droppet	
- DL DSCH Transport channel		Not Present	
identity - DL HS-DSCH MAC-d flow		0	
identity		O	
- Logical channel identity		Not Present	
- RLC logical channel mapping		Not Present	
Indicator		THOU TOO SHE	
- Number of uplink RLC logical		1	
channels			
- Uplink transport channel type		RACH	
- UL Transport channel identity		Not Present	
- Logical channel identity		7	
- CHOICE RLC size list		Explicit list	
- RLC size index		Reference to clause 6 Parameter Set	
- MAC logical channel priority		8	
- Downlink RLC logical channel info			
- Number of downlink RLC logical		1	
channels			
- Downlink transport channel type		FACH	
- DL DCH Transport channel		Not Present	
identity			
- DL DSCH Transport channel		Not Present	
identity		7	
- Logical channel identity	A10	7	DEL 5
- RAB information for setup - RAB info	A10	(high aroad AM DTCH for DS domain)	REL-5
- RAB identity		(high-speed AM DTCH for PS domain) 0000 0101 <del>10</del> B	
- NAB Identity		The first/ leftmost bit of the bit string	
		contains the most significant bit of the	
		RAB identity.	
- CN domain identity		PS domain	
- NAS Synchronization Indicator		Not Present	
- Re-establishment timer		useT315	
- RB information to setup			
- RB identity		25	
- PDCP info			
- Support for lossless SRNS		FALSE	
relocation			
- Max PDCP SN window size		Not present	
- PDCP PDU header		Absent	
- Header compression information		Not present	
- CHOICE RLC info type		RLC info	
- CHOICE Uplink RLC mode		AM RLC	
- Transmission RLC discard		No Diggard	
- CHOICE SDU discard mode		No Discard 15	
- MAX_DAT - Transmission window size		128	
- Transmission window size - Timer RST		128	
- Hiller_RST - Max_RST		4	
- Polling info		i ·	
- Timer_poll_prohibit		100	
- Timer_poll		100	
- Poll_PDU		Not Present	
- Poll_SDU		1	
- Last transmission PDU poll		TRUE	
- Last retransmission PDU poll		TRUE	
- Poll_Windows		99	
		Not Present	
<ul> <li>Timer_poll_periodic</li> </ul>			
- Hmer_poil_periodic - CHOICE Downlink RLC mode		AM RLC TRUE	

Information Element	Condition	Value/remark	Version
- Receiving window size		768	
- Downlink RLC status info			
- Timer_status_prohibit		100	
- Timer_EPC		Not Present	
- Missing PDU indicator		TRUE	
- Timer_STATUS_periodic		Not Present	
- RB mapping info - Information for each multiplexing		1 RBMuxOption	
option		RemaxOption	
- RLC logical channel mapping		Not present	
Indicator		Not present	
- Number of uplink RLC logical		1	
channels			
- Uplink transport channel type		DCH	
- UL Transport channel identity		1	
<ul> <li>Logical channel identity</li> </ul>		Not Present	
- CHOICE RLC size list		Configured	
<ul> <li>MAC logical channel priority</li> </ul>		8	
- Downlink RLC logical channel info			
- Number of downlink RLC logical		1	
channels		He Dech	
<ul> <li>Downlink transport channel type</li> <li>DL DCH Transport channel</li> </ul>		HS-DSCH Not procent	
·		Not present	
identity - DL DSCH Transport channel		Not present	
identity		THOU PICSOIL	
- DL HS-DSCH MAC-d flow		0	
identity		Ĭ,	
- Logical channel identity		Not Present	
- RAB information for setup	A11		
- RAB info		(AM DTCH for PS domain)	
- RAB identity		0000 0101B	
		The first/ leftmost bit of the bit string	
		contains the most significant bit of the	
ON 12 22 23 23 23		RAB identity.	
- CN domain identity		PS domain	
- NAS Synchronization Indicator		Not Present	
- Re-establishment timer - RB information to setup		useT315	
- RB identity		20	
- PDCP info			
- Support for lossless SRNS		FALSE	
relocation			
- Max PDCP SN window size		Not present	
- PDCP PDU header		Absent	
- Header compression information		Not present	
- CHOICE RLC info type		RLC info	
- CHOICE Uplink RLC mode		AM RLC	
- Transmission RLC discard		No Discord	
- CHOICE SDU discard mode		No Discard	
- MAX_DAT - Transmission window size		15 128	
- Transmission window size - Timer RST		500	
- Max RST		4	
- Polling info		<u> </u> `	
- Timer poll prohibit		200	
- Timer poll		200	
- Poll_PDU		Not Present	
- Poll_SDU		1	
- Last transmission PDU poll		TRUE	
- Last retransmission PDÜ poll		TRUE	
- Poll_Windows		99	
- Timer_poll_periodic		Not Present	
- CHOICE Downlink RLC mode		AM RLC	
- In-sequence delivery		TRUE	
- Receiving window size - Downlink RLC status info		128	
- DOWNIIIK RLC Status INIO	1	ı	

Information Element	Condition	Value/remark	Version
- Timer_status_prohibit		200	
- Timer_EPC		Not Present	
<ul> <li>Missing PDU indicator</li> </ul>		TRUE	
<ul><li>- Timer_STATUS_periodic</li></ul>		Not Present	
- RB mapping info			
<ul> <li>Information for each multiplexing</li> </ul>		2 RBMuxOptions	
option		•	
- RLC logical channel mapping		Not Present	
indicator			
<ul> <li>Number of uplink RLC logical</li> </ul>		1	
channels			
<ul> <li>Uplink transport channel type</li> </ul>		DCH	
<ul> <li>UL Transport channel identity</li> </ul>		4	
<ul> <li>Logical channel identity</li> </ul>		Not Present	
- CHOICE RLC size list		Configured	
<ul> <li>MAC logical channel priority</li> </ul>		8	
- Downlink RLC logical channel info			
<ul> <li>Number of downlink RLC logical</li> </ul>		1	
channels			
<ul> <li>Downlink transport channel type</li> </ul>		DCH	
- DL DCH Transport channel		9	
identity			
- DL DSCH Transport channel		Not Present	
identity		l	
- Logical channel identity		Not Present	
- RLC logical channel mapping		Not Present	
indicator			
- Number of uplink RLC logical		1	
channels		RACH	
- Uplink transport channel type		Not Present	
UL Transport channel identity     Logical channel identity		INOL Present	
- CHOICE RLC size list		Explicit list	
- RLC size index		Reference to clause 6 Parameter Set	
- MAC logical channel priority		8	
- Downlink RLC logical channel info		O	
- Number of downlink RLC logical		1	
channels			
- Downlink transport channel type		FACH	
- DL DCH Transport channel		Not Present	
identity			
- DL DSCH Transport channel		Not Present	
identity			
- Logical channel identity		7	
RB information to be affected	A1, A2, A3, A4, A5,	Not Present	
	A6, A7, A8, A11		
	, A9, A10		REL-5
Downlink counter synchronization info	A1, A2, A3, A4, A5,	Not Present	
	A6, A7, A8, A11		
	, A9, A10		REL-5
UL Transport channel information for all	A1, A2, A3, A4, A5,		
transport channels	A6, A7, A8, A11		
	, A9, A10		REL-5
- PRACH TFCS		Not Present	
- CHOICE mode		FDD	
- TFC subset		Not Present	
- UL DCH TFCS		Normal	
- CHOICE TFCI signalling		Normal	
- TFCI Field 1 information		Complete reconfiguration	
- CHOICE TFCS representation		Complete reconfiguration	
- TFCS complete reconfigure linformation			
- CHOICE CTFC Size		Number of bits used must be enough to	
- OFFOICE OFFO SIZE		cover all combinations of CTFC from	
		clause 6.10.2.4 Parameter Set.	
- CTFC information		This IE is repeated for TFC numbers and	
5 5 momadon		reference to clause 6.10.2.4 Parameter	
I	I	possioned to diadec of role. Transmicter	İ

Information Element	Condition	Value/remark	Version
- CTFC		Set Reference to clause 6.10.2.4 Parameter Set	
- Power offset information			
- CHOICE Gain Factors - Gain factor βc		Computed Gain Factors(The last TFC is set to Signalled Gain Factors) 11 (below 64 kbps) 9 (higher than 64 kbps) (Not Present if	
- Gain factor βd		the CHOICE Gain Factors is set to Computed Gain Factors) 15 (Not Present if the CHOICE Gain Factors is set to Computed Gain	
- Reference TFC ID		Factors)	
- CHOICE mode		FDD	
<ul> <li>Power offset P p-m</li> </ul>		Not Present	
Deleted UL TrCH information	A1, A2, A3, A4, A5,	Not Present	
	A6, A7, A8, A11 , A9, A10		REL-5
Added or Reconfigured UL TrCH	A1, A3 A4, A5, A6,	1 DCH added, 1 DCH reconfigured (if	NEL-5
information	A7	from cell_DCH) OR 2 DCHs added (if	
	, A9, A10	from cell_FACH)	REL-5
<ul> <li>Uplink transport channel type</li> </ul>		DCH	
- UL Transport channel identity		1	
<ul><li>- TFS</li><li>- CHOICE Transport channel type</li></ul>		Dedicated transport channels	
- Dynamic Transport format		Dedicated transport charmers	
information			
- RLC Size		Reference to clause 6.10 Parameter Set	
- Number of TBs and TTI List		(This IE is repeated for TFI number.)	
- Transmission Time Interval		Not Present	
<ul> <li>Number of Transport blocks</li> <li>CHOICE Logical channel list</li> </ul>		Reference to clause 6.10 Parameter Set All	
- Semi-static Transport Format		All	
information			
- Transmission time interval		Reference to clause 6.10 Parameter Set	
<ul> <li>Type of channel coding</li> </ul>		Reference to clause 6.10 Parameter Set	
- Coding Rate		Reference to clause 6.10 Parameter Set	
- Rate matching attribute		Reference to clause 6.10 Parameter Set Reference to clause 6.10 Parameter Set	
<ul> <li>CRC size</li> <li>Uplink transport channel type</li> </ul>		DCH	
- UL Transport channel identity		15	
- TFS			
<ul> <li>CHOICE Transport channel type</li> </ul>		Dedicated transport channels	
- Dynamic Transport format			
information		Deference to allower 0.40 December 0.4	
<ul> <li>RLC Size</li> <li>Number of TBs and TTI List</li> </ul>		Reference to clause 6.10 Parameter Set	
- Number of TBs and TTT List - Transmission Time Interval		(This IE is repeated for TFI number.) Not Present	
- Number of Transport blocks		Reference to clause 6.10 Parameter Set	
- CHOICE Logical channel list		All	
<ul> <li>Semi-static Transport Format</li> </ul>			
information			
- Transmission time interval		Reference to clause 6.10 Parameter Set	
<ul> <li>Type of channel coding</li> <li>Coding Rate</li> </ul>		Reference to clause 6.10 Parameter Set Reference to clause 6.10 Parameter Set	
- Coding Rate - Rate matching attribute		Reference to clause 6.10 Parameter Set	
- CRC size		Reference to clause 6.10 Parameter Set	
Added or Reconfigured UL TrCH	A11	1 DCH added for DTCH	
information			
- Uplink transport channel type		DCH	
- UL Transport channel identity		4	
- TFS		Dedicated transport shapes la	
- CHOICE Transport channel type			
<ul> <li>CHOICE Transport channel type</li> <li>Dynamic Transport format</li> </ul>		Dedicated transport channels	

Information Element	Condition	Value/remark	Version
- RLC Size		Reference to clause 6.10 Parameter Set	
<ul> <li>Number of TBs and TTI List</li> </ul>		(This IE is repeated for TFI number.)	
- Transmission Time Interval		Not Present	
<ul> <li>Number of Transport blocks</li> </ul>		Reference to clause 6.10 Parameter Set	
- CHOICE Logical channel list		All	
- Semi-static Transport Format			
nformation			
- Transmission time interval		Reference to clause 6.10 Parameter Set	
- Type of channel coding		Reference to clause 6.10 Parameter Set	
- Coding Rate		Reference to clause 6.10 Parameter Set	
- Rate matching attribute		Reference to clause 6.10 Parameter Set	
- CRC size		Reference to clause 6.10 Parameter Set	
Added or Reconfigured UL TrCH	A2, A8	4 TrCHs(DCH for DCCH and 3DCHs for	
nformation	A2, A0	DTCH)	
- Uplink transport channel type		DCH	
		DCH F	
- UL Transport channel identity		၁	
- TFS		D. F. d. House de la contra	
- CHOICE Transport channel type		Dedicated transport channels	
- Dynamic Transport format			
information			
- RLC Size		Reference to clause 6.10 Parameter Set	
<ul> <li>Number of TBs and TTI List</li> </ul>		(This IE is repeated for TFI number.)	
<ul> <li>Transmission Time Interval</li> </ul>		Not Present	
<ul> <li>Number of Transport blocks</li> </ul>		Reference to clause 6.10 Parameter Set	
<ul> <li>CHOICE Logical channel list</li> </ul>		All	
<ul> <li>Semi-static Transport Format</li> </ul>			
information			
- Transmission time interval		Reference to clause 6.10 Parameter Set	
- Type of channel coding		Reference to clause 6.10 Parameter Set	
- Coding Rate		Reference to clause 6.10 Parameter Set	
- Rate matching attribute		Reference to clause 6.10 Parameter Set	
- CRC size		Reference to clause 6.10 Parameter Set	
- Uplink transport channel type		DCH	
- UL Transport channel identity		1	
- TFS		ľ	
		Dedicated transport channels	
- CHOICE Transport channel type		Dedicated transport channels	
- Dynamic Transport format			
information		Defended to along 0.40 Demonstra Oct	
- RLC Size		Reference to clause 6.10 Parameter Set	
- Number of TBs and TTI List		(This IE is repeated for TFI number.)	
- Transmission Time Interval		Not Present	
<ul> <li>Number of Transport blocks</li> </ul>		Reference to clause 6.10 Parameter Set	
<ul> <li>CHOICE Logical channel list</li> </ul>		All	
<ul> <li>Semi-static Transport Format</li> </ul>			
information			
<ul> <li>Transmission time interval</li> </ul>		Reference to clause 6.10 Parameter Set	
<ul> <li>Type of channel coding</li> </ul>		Reference to clause 6.10 Parameter Set	
- Coding Rate		Reference to clause 6.10 Parameter Set	
- Rate matching attribute		Reference to clause 6.10 Parameter Set	
- CRC size		Reference to clause 6.10 Parameter Set	
- Uplink transport channel type		DCH	
- UL Transport channel identity		2	
- TFS			
- CHOICE Transport channel type		Dedicated transport channels	
- Dynamic Transport format		_ sales a a saleport of all from	
nformation			
- RLC Size		Reference to clause 6.10 Parameter Set	
- Number of TBs and TTI List			
		(This IE is repeated for TFI number.) Not Present	
- Transmission Time Interval			
- Number of Transport blocks		Reference to clause 6.10 Parameter Set	
- CHOICE Logical channel list		All	
- Semi-static Transport Format			
information			
- Transmission time interval		Reference to clause 6.10 Parameter Set	
<ul> <li>Type of channel coding</li> </ul>		Reference to clause 6.10 Parameter Set	
	i .	IDeference to eleves C.10 Denomentor Cet	
<ul><li>Coding Rate</li><li>Rate matching attribute</li></ul>		Reference to clause 6.10 Parameter Set Reference to clause 6.10 Parameter Set	

Information Element	Condition	Value/remark	Version
- CRC size		Reference to clause 6.10 Parameter Set	
<ul> <li>Uplink transport channel type</li> </ul>		DCH	
- UL Transport channel identity		3	
- TFS		De die ste d toe oer ent els en eels	
- CHOICE Transport channel type		Dedicated transport channels	
- Dynamic Transport format linformation			
- RLC Size		Reference to clause 6.10 Parameter Set	
- Number of TBs and TTI List		(This IE is repeated for TFI number.)	
- Transmission Time Interval		Not Present	
- Number of Transport blocks		Reference to clause 6.10 Parameter Set	
- CHOICE Logical channel list		All	
- Semi-static Transport Format			
information			
- Transmission time interval		Reference to clause 6.10 Parameter Set	
- Type of channel coding		Reference to clause 6.10 Parameter Set Reference to clause 6.10 Parameter Set	
- Coding Rate - Rate matching attribute		Reference to clause 6.10 Parameter Set	
- CRC size		Reference to clause 6.10 Parameter Set	
CHOICE mode	A1, A2, A3, A4, A5,	FDD	
	A6, A7, A8, A11		
	, A9, A10		REL-5
- CPCH set ID		Not Present	
- Added or Reconfigured TrCH		Not Present	
information for DRAC list			
DI Transport sharped information	A4 A0 A7 A0		
DL Transport channel information common for all transport channel	A1, A2, A7, A8		
- SCCPCH TFCS		Not Present	
- CHOICE mode		FDD	
- CHOICE DL parameters		SameasUL	
DL Transport channel information	A3, A4, A5, A6,		
common for all transport channel	A11		
00000117500	<del>, A9,</del> A10		REL-5
- SCCPCH TFCS - CHOICE mode		Not Present FDD	
- CHOICE Indue - CHOICE DL parameters		Explicit	
- DL DCH TFCS		LAPHOR	
- CHOICE TFCI Signalling		Normal	
- TFCI Field 1 Information			
<ul> <li>CHOICE TFCS representation</li> </ul>		Complete reconfiguration	
- TFCS complete reconfigure			
- CHOICE CTFC Size		Number of bits used must be enough to cover all combinations of CTFC from	
		clause 6.10.2.4 Parameter Set.	
- CTFC information		This IE is repeated for TFC numbers and	
22au		reference to clause 6.10.2.4	
- CTFC		Reference to clause 6.10.2.4 Parameter	
		Set _	
- Power offset information	40	Not Present	DEL 6
DL Transport channel information	<u>A9</u>		REL-5
common for all transport channel - SCCPCH TFCS		Not Present	
- CHOICE mode		FDD	
- CHOICE DL parameters		Explicit	
- DL DCH TFCS			
- CHOICE TFCI Signalling		<u>Normal</u>	
- TFCI Field 1 Information		0	
- CHOICE TFCS representation		Complete reconfiguration	
- TFCS complete reconfigure - CHOICE CTFC Size		ctfc2bit	
- CTFC information		<u> </u>	
- CTFC		<u>o</u>	
		((DL DCH RAB, DCCH)=(TF0, TF0))	
- Power offset information		Not Present	
- CTFC		1	
I	1	((DL DCH RAB, DCCH)=(TF0, TF1))	I

Information Element	Condition	Value/remark	Version
- Power offset information	A1 A2 A2 A4 AF	Not Present	
Deleted DL TrCH information	A1, A2, A3, A4, A5, A6, A7, A8	Not Present	
	, A9, A10		REL-5
Added or Reconfigured DL TrCH	A9, A10	1 DCH added, 1 DCH reconfigured	``
information		1 Dorradada, 1 Dorricoomigarea	
- Downlink transport channel type		рсн	
- DL Transport channel identity		6	
- CHOICE DL parameters		Same as UL	
<ul> <li>Uplink transport channel type</li> </ul>		DCH	
- UL TrCH identity		1	
- DCH quality target			
- BLER Quality value		-2.0	
- Downlink transport channel type		DCH	
- DL Transport channel identity		10	
- CHOICE DL parameters		Same as UL	
<ul> <li>Uplink transport channel type</li> <li>UL TrCH identity</li> </ul>		DCH 5	
- DC Tron identity - DCH quality target		5	
- BLER Quality value		-2.0	
Added or Reconfigured DL TrCH	A3, A4, A5, A6, A7	2 TrCHs(DCH for DCCH and DCH for	
information	2, , , , ,	DTCH)	
- Downlink transport channel type		DCH	
<ul> <li>DL Transport channel identity</li> </ul>		10	
- CHOICE DL parameters		Same as UL	
<ul> <li>Uplink transport channel type</li> </ul>		DCH	
- UL TrCH identity		5	
- DCH quality target			
- BLER Quality value		-2.0	
- Downlink transport channel type		DCH	
- DL Transport channel identity		6	
- CHOICE DL parameters - TFS		Explicit	
- CHOICE Transport channel type		Dedicated transport channel	
- Dynamic transport format		Dedicated transport charmer	
information			
- RLC Size		Reference to clause 6.10 Parameter Set	
- Number of TBs and TTI List		(This IE is repeated for TFI number.)	
- Transmission Time Interval		Not Present	
<ul> <li>Number of Transport blocks</li> </ul>		Reference to clause 6.10 Parameter Set	
- CHOICE Logical channel list		All	
- Semi-static Transport Format			
information			
- Transmission time interval		Reference to clause 6.10 Parameter Set Reference to clause 6.10 Parameter Set	
- Type of channel coding		Reference to clause 6.10 Parameter Set Reference to clause 6.10 Parameter Set	
- Coding Rate - Rate matching attribute		Reference to clause 6.10 Parameter Set Reference to clause 6.10 Parameter Set	
- CRC size		Reference to clause 6.10 Parameter Set	
- DCH quality target		1. Co. S. S. 100 to Siddoo O. 10 1 didillotol Oct	
- BLER Quality value		-2.0	
Added or Reconfigured DL TrCH	A2, A8	4 TrCHs(DCH for DCCH and 3DCHs for	
information		DTCH)	
<ul> <li>Downlink transport channel type</li> </ul>		DCH '	
- DL Transport channel identity		10	
- CHOICE DL parameters		Same as UL	
- Uplink transport channel type		DCH	
- UL TrCH identity		5	
- DCH quality target		2.0	
- BLER Quality value		2.0 DCH	
Downlink transport channel type     DL Transport channel identity		6	
- CHOICE DL parameters		Explicit	
- TFS		- Aprilott	
- CHOICE Transport channel type		Dedicated transport channel	
- Dynamic transport format		, , , , , , , , , , , , , , , , , , ,	
information			
- RLC Size		Reference to clause 6.10 Parameter Set	

Information Element	Condition	Value/remark	Version
- Number of TBs and TTI List		(This IE is repeated for TFI number.)	
<ul> <li>Dynamic transport format</li> </ul>			
information			
- Transmission Time Interval		Not Present	
- Number of Transport blocks		Reference to clause 6.10 Parameter Set	
- CHOICE Logical channel list		All	
- Semi-static Transport Format			
information - Transmission time interval		Peferance to elevine 6.10 Peremeter Set	
		Reference to clause 6.10 Parameter Set Reference to clause 6.10 Parameter Set	
<ul><li>Type of channel coding</li><li>Coding Rate</li></ul>		Reference to clause 6.10 Parameter Set	
- Rate matching attribute		Reference to clause 6.10 Parameter Set	
- CRC size		Reference to clause 6.10 Parameter Set	
- DCH quality target		The created to clause 5.101 draineter set	
- BLER Quality value		Not Present	
- Downlink transport channel type		DCH	
- DL Transport channel identity		7	
- CHOICE DL parameters		Explicit	
- TFS		·	
<ul> <li>CHOICE Transport channel type</li> </ul>		Dedicated transport channel	
<ul> <li>Dynamic transport format</li> </ul>			
information			
- RLC Size		Reference to clause 6.10 Parameter Set	
- Number of TBs and TTI List		(This IE is repeated for TFI number.)	
- Dynamic transport format			
information		N . 5	
- Transmission Time Interval		Not Present	
- Number of Transport blocks		Reference to clause 6.10 Parameter Set	
<ul> <li>CHOICE Logical channel list</li> <li>Semi-static Transport Format</li> </ul>		All	
information			
- Transmission time interval		Reference to clause 6.10 Parameter Set	
- Type of channel coding		Reference to clause 6.10 Parameter Set	
- Coding Rate		Reference to clause 6.10 Parameter Set	
- Rate matching attribute		Reference to clause 6.10 Parameter Set	
- CRC size		Reference to clause 6.10 Parameter Set	
<ul> <li>DCH quality target</li> </ul>			
<ul> <li>BLER Quality value</li> </ul>		Not Present	
<ul> <li>Downlink transport channel type</li> </ul>		DCH	
<ul> <li>DL Transport channel identity</li> </ul>		8	
- CHOICE DL parameters		Explicit	
- TFS			
- CHOICE Transport channel type		Dedicated transport channel	
- Dynamic transport format			
information - RLC Size		Reference to clause 6.10 Parameter Set	
- RLC Size - Number of TBs and TTI List		(This IE is repeated for TFI number.)	
- Dynamic transport format		(This is is repeated for TET Hulliber.)	1
information			
- Transmission Time Interval		Not Present	
- Number of Transport blocks		Reference to clause 6.10 Parameter Set	
- CHOICE Logical channel list		All	
- Semi-static Transport Format			
information .			
- Transmission time interval		Reference to clause 6.10 Parameter Set	
<ul> <li>Type of channel coding</li> </ul>		Reference to clause 6.10 Parameter Set	
- Coding Rate		Reference to clause 6.10 Parameter Set	
- Rate matching attribute		Reference to clause 6.10 Parameter Set	
- CRC size		Reference to clause 6.10 Parameter Set	
- DCH quality target		Not Book of	
- BLER Quality value		Not Present	DEL 5
Added or Reconfigured DL TrCH	A9	3 TrCHs (DCH for DCCH and DCH plus	REL-5
information		HS-DSCH for DTCH)	
- Downlink transport channel type		DCH	
- DL Transport channel identity		10 Same as UL	
<ul> <li>CHOICE DL parameters</li> <li>Uplink transport channel type</li> </ul>		DCH	
- Opinik transport channel type	1	ווטטו	1

Information Element	Condition	Value/remark	Version
- UL TrCH identity		5	
- DCH quality target			
- BLER Quality value		-2.0	
<ul> <li>Downlink transport channel type</li> </ul>		DCH	
<ul> <li>DL Transport channel identity</li> </ul>		6	
- CHOICE DL parameters		Explicit	
- TFS			
- CHOICE Transport channel type		Dedicated transport channel	
- Dynamic transport format			
information			
- RLC Size		Reference to clause 6.10 Parameter Set	
- Number of TBs and TTI List		(This IE is repeated for TFI number.)	
- Dynamic transport format			
information		Not Book of	
- Transmission Time Interval		Not Present	
- Number of Transport blocks		Reference to clause 6.10 Parameter Set	
CLICICE Language sharped list		only including TF0	
- CHOICE Logical channel list		All	
- Semi-static Transport Format information			
- Transmission time interval		Reference to clause 6.10 Parameter Set	
- Transmission time interval  - Type of channel coding		Reference to clause 6.10 Parameter Set	
- Type of charmer coding - Coding Rate		Reference to clause 6.10 Parameter Set	
- Rate matching attribute		Reference to clause 6.10 Parameter Set	
- CRC size		Reference to clause 6.10 Parameter Set	
- DCH quality target		. i.i.s. siles to stades of to t diditiotel out	
- BLER Quality value		-2.0	
- Downlink transport channel type		HS-DSCH	
- DL Transport channel identity		Not Present	
- CHOICE DL parameters		HS-DSCH	
- HARQ Info			
- Number of Processes		6	
- CHOICE Memory Partitioning		Implicit	
<ul> <li>Added or reconfigured MAC-d</li> </ul>			
flow			
- MAC-hs queue to add or		(one queue)	
reconfigure list			
- MAC-hs queue ld		0	
- MAC-d Flow Identity		0	
- T1		50	
- MAC-hs window size		16	
- MAC-d PDU size Info - MAC-d PDU size		336	
- MAC-d PDU size - MAC-d PDU size index		0	
- MAC-d PDO size index - MAC-hs queue to delete list		Not present	
- MAC-his quede to delete hist - DCH quality target		Not present	
Added or Reconfigured DL TrCH	A10		REL-5
information		for DTCH)	0
- Downlink transport channel type		DCH	
- DL Transport channel identity		10	
- CHOICE DL parameters		Same as UL	
- Uplink transport channel type		DCH	
- UL TrCH identity		5	
- DCH quality target			
- BLER Quality value		-2.0	
<ul> <li>Downlink transport channel type</li> </ul>		HS-DSCH	
- DL Transport channel identity		Not Present	
- CHOICE DL parameters		HS-DSCH	
- HARQ Info			
- Number of Processes		6	
- CHOICE Memory Partitioning		Implicit	
- Added or reconfigured MAC-d			
flow		(one guava)	
- MAC-hs queue to add or		(one queue)	
reconfigure list - MAC-hs queue Id			
- MAC-ns queue id - MAC-d Flow Identity		0 0	
- IVIAC-U Flow Identity	I	I <sub>C</sub>	l

Information Element	Condition	Value/remark	Version
- T1		50	
- MAC-hs window size		16	
<ul> <li>MAC-d PDU size Info</li> </ul>			
- MAC-d PDU size		336	
<ul> <li>MAC-d PDU size index</li> </ul>		0	
<ul> <li>MAC-hs queue to delete list</li> </ul>		Not present	
<ul> <li>DCH quality target</li> </ul>		Not present	
Added or Reconfigured DL TrCH	A11	1 DCH for DTCH	
information			
<ul> <li>Downlink transport channel type</li> </ul>		DCH	
<ul> <li>DL Transport channel identity</li> </ul>		9	
- CHOICE DL parameters		Explicit	
- TFS			
<ul> <li>CHOICE Transport channel type</li> </ul>		Dedicated transport channel	
<ul> <li>Dynamic transport format</li> </ul>			
information			
- RLC Size		Reference to clause 6.10 Parameter Set	
<ul> <li>Number of TBs and TTI List</li> </ul>		(This IE is repeated for TFI number.)	
<ul> <li>Dynamic transport format</li> </ul>			
information			
- Transmission Time Interval		Not Present	
<ul> <li>Number of Transport blocks</li> </ul>		Reference to clause 6.10 Parameter Set	
<ul> <li>CHOICE Logical channel list</li> </ul>		All	
- Semi-static Transport Format			
information			
<ul> <li>Transmission time interval</li> </ul>		Reference to clause 6.10 Parameter Set	
<ul> <li>Type of channel coding</li> </ul>		Reference to clause 6.10 Parameter Set	
- Coding Rate		Reference to clause 6.10 Parameter Set	
<ul> <li>Rate matching attribute</li> </ul>		Reference to clause 6.10 Parameter Set	
- CRC size		Reference to clause 6.10 Parameter Set	
- DCH quality target			
- BLER Quality value		-2.0	
Frequency info	A1, A2, A3, A4, A5,		
	A7, A8, 11		DE: 5
LIABEON (N. A.	, A9, A10	Defended to the set 5.4 Test	REL-5
- UARFCN uplink (Nu)		Reference to clause 5.1 Test	
		frequencies if frequency is different from	
		the current frequency otherwise set to	
LIADECNI downlink (Nd)		Not Present. Reference to clause 5.1 Test	
- UARFCN downlink (Nd)			
		frequencies if frequency is different from	
		Not Present.	
Frequency info	A6	Not Present	
Maximum allowed UL TX power	A1, A2, A3, A4, A7,	33dBm	
Waxiinam allowed OL 1X power	A1, A2, A3, A4, A7, A8, A11	OGGENT	
	, A9, A10		REL-5
Maximum allowed UL TX power	A5, A6	Not Present	\
CHOICE channel requirement	A1, A2, A3, A4, A7,	Uplink DPCH info	
5.15752 Sharmor roquirornont	A8, A11		
- Uplink DPCH power control info	,		
- DPCCH power offset		-80dB (i.e. ASN.1 IE value of -40)	
- PC Preamble		1 frame	
- SRB delay		7 frames	
- Power Control Algorithm		Algorithm1	
- TPC step size		1dB	
- I		Not Present	REL-5
- <sup>A</sup> NACK		Not Present	REL-5
- ∆ <sub>NACK</sub> - Ack-Nack repetition factor		Not Present	REL-5
- Scrambling code type		Long	\LL-3
- Scrambling code type - Scrambling code number		0 (0 to 16777215)	
- Number of DPDCH		Not Present(1)	
- spreading factor		Reference to clause 6.10 Parameter Set	
- Spreading factor		Reference to clause 6.10 Parameter Set	
- Number of FBI bit		Reference to clause 6.10 Parameter Set	
- Puncturing Limit		Reference to clause 6.10 Parameter Set	
CHOICE channel requirement	A9, A10		REL-5
1 STOLE GRAINION TOQUITORION	,, ,	Iohiii oi iiio	I O

Information Element	Condition	Value/remark	Version
- Uplink DPCH power control info			
- DPCCH power offset		-6dB	
- PC Preamble		1 frame	
- SRB delay		7 frames	
- Power Control Algorithm		Algorithm1 1dB	
- TPC step size		10B	
- Ack		3	
- ∆ <sub>NACK</sub> - Ack-Nack repetition factor		1	
- Scrambling code type		Long	
- Scrambling code number		0 (0 to 16777215)	
- Number of DPDCH		Not Present(1)	
- spreading factor		Reference to clause 6.10 Parameter Set	
- TFCI existence		Reference to clause 6.10 Parameter Set	
- Number of FBI bit - Puncturing Limit		Reference to clause 6.10 Parameter Set Reference to clause 6.10 Parameter Set	
CHOICE channel requirement	A5,A6	Not Present	
CHOICE Mode	A1, A2, A3, A4, A5,	FDD	
	A6, A7, A8, A11		
	, A9, A10		REL-5
- Downlink PDSCH information		Not Present	
Downlink information common for all radio	A1, A2, A3, A11		
links			
- Downlink DPCH info common for all			
RL - Timing indicator		Maintain	
- CFN-targetSFN frame offset		Not Present	
- Downlink DPCH power control		130011	
information			
- DPC mode		0 (single)	
- CHOICE mode		FDD	
- Power offset P <sub>Pilot-DPDCH</sub>		0 Not Droppet	
- DL rate matching restriction information		Not Present	
- Spreading factor		Reference to clause 6.10 Parameter Set	
- Fixed or Flexible Position		Reference to clause 6.10 Parameter Set	
- TFCI existence		Reference to clause 6.10 Parameter Set	
- CHOICE SF		Reference to clause 6.10 Parameter Set	
- CHOICE mode		FDD	
- DPCH compressed mode info		Not Present	
- TX Diversity mode - SSDT information		None Not Proport	
- SSDT Information - Default DPCH Offset Value		Not Present Not Present	
Downlink information common for all radio	A9	INOT I COUNT	REL-5
links			
- Downlink DPCH info common for all			
RL			
- Timing indicator		Maintain	
- CFN-targetSFN frame offset		Not Present	
- Downlink DPCH power control information			
- DPC mode		0 (single)	
- CHOICE mode		FDD	
- Power offset PPilot-DPDCH		0	
- DL rate matching restriction		Not Present	
information		D. ( (	
- Spreading factor		Reference to clause 6.10 Parameter Set	
- Fixed or Flexible Position - TFCI existence		Reference to clause 6.10 Parameter Set Reference to clause 6.10 Parameter Set	
- TFCI existence - CHOICE SF		Reference to clause 6.10 Parameter Set	
- CHOICE SF - CHOICE mode		FDD	
- DPCH compressed mode info		Not Present	
- TX Diversity mode		None	
- SSDT information		Not Present	
- Default DPCH Offset Value		Not Present	
- MAC-hs reset indicator		TRUE	
Downlink information common for all radio	A4,A7,A8	l	

Information Element	Condition	Value/remark	Version
links			
- Downlink DPCH info common for all RL			
- Timing indicator		Initialize	
- CFN-targetSFN frame offset		Not Present	
- Downlink DPCH power control			
information			
- DPC mode		0 (single)	
- CHOICE mode		FDD 0	
<ul> <li>Power offset P<sub>Pilot-DPDCH</sub></li> <li>DL rate matching restriction</li> </ul>		Not Present	
information			
- Spreading factor		Reference to clause 6.10 Parameter Set	
- Fixed or Flexible Position		Reference to clause 6.10 Parameter Set	
- TFCI existence		Reference to clause 6.10 Parameter Set	
- CHOICE SF		Reference to clause 6.10 Parameter Set FDD	
- CHOICE mode - DPCH compressed mode info		Not Present	
- TX Diversity mode		None	
- SSDT information		Not Present	
- Default DPCH Offset Value		Arbitrary set to value 0306688 by step	
		of 512	
Downlink information common for all radio	A10		REL-5
links - Downlink DPCH info common for all			
RL - DOWNINK DPCH INIO COMMON TOT AII			
- Timing indicator		Initialize	
- CFN-targetSFN frame offset		Not Present	
- Downlink DPCH power control			
information			
- DPC mode - CHOICE mode		0 (single) FDD	
- Power offset PPilot-DPDCH		10 10	
- DL rate matching restriction		Not Present	
information			
- Spreading factor		Reference to clause 6.10 Parameter Set	
- Fixed or Flexible Position		Reference to clause 6.10 Parameter Set	
- TFCI existence		Reference to clause 6.10 Parameter Set	
- CHOICE SF - CHOICE mode		Reference to clause 6.10 Parameter Set FDD	
- DPCH compressed mode info		Not Present	
- TX Diversity mode		None	
- SSDT information		Not Present	
- Default DPCH Offset Value		Arbitrary set to value 0306688 by step	
MAC he reset indicates		of 512 TRUE	
- MAC-hs reset indicator  Downlink HS-PDSCH Information	A1, A2, A3, A4, A5,	Not Present	REL-5
	A6, A7, A8, A11	NOTE TOSCITE	INLL-U
Downlink HS-PDSCH Information	A9, A10		REL-5
- HS-SCCH Info			
- CHOICE mode		FDD	
- DL Scrambling Code - HS-SCCH Channelisation Code		Not present	
Information			
- HS-SCCH Channelisation		1	
Code			
- Measurement Feedback Info			
- CHOICE mode		FDD	
- POhsdsch		6 dB	
<ul><li>CQI Feedback cycle, k</li><li>CQI repetition factor</li></ul>		4 ms	
- Acai		5 (corresponds to 0dB in relative power	
CQI		offset)	
- CHOICE mode		FDD (no data)	
Downlink information common for all radio	A5,A6	Not Present	
links	A4 A0 A0 A4 A7		
Downlink information for each radio link	A1, A2, A3, A4, A7,	I	

Information Element	Condition	Value/remark	Version
list	A8, A11		
- Downlink information for each radio link			
- Choice mode		FDD	
- Primary CPICH info			
<ul> <li>Primary scrambling code</li> </ul>		Ref. to the Default setting in clause 6.1	
		(FDD)	
- PDSCH with SHO DCH info		Not Present	
<ul> <li>PDSCH code mapping</li> </ul>		Not Present	
<ul> <li>Serving HS-DSCH radio link</li> </ul>		FALSE	REL-5
indicator			
<ul> <li>Downlink DPCH info for each RL</li> </ul>			
<ul> <li>Primary CPICH usage for channel</li> </ul>		Primary CPICH may be used	
estimation			
- DPCH frame offset		Set to value Default DPCH Offset Value	
		(as currently stored in SS) mod 38 400	
- Secondary CPICH info		Not Present	
- DL channelisation code			
- Secondary scrambling code		1	
- Spreading factor		Reference to clause 6.10 Parameter Set	
- Code number		U No codo elegano	
- Scrambling code change		No code change	
- TPC combination index		0 Not Droppet	
- SSDT Cell Identity		Not Present	
- Closed loop timing adjustment		Not Present	
mode - SCCPCH information for FACH		Not Present	
Downlink information for each radio link	^ E	INOT Present	
list	A5		
- Downlink information for each radio link			
- Choice mode		FDD	
- Primary CPICH info			
- Primary scrambling code		Ref. to the Default setting in clause 6.1	
Triniary corambining code		(FDD)	
- PDSCH with SHO DCH info		Not Present	
- PDSCH code mapping		Not Present	
- Serving HS-DSCH radio link indicator		FALSE	REL-5
- Downlink DPCH info for each RL		Not present	
- SCCPCH information for FACH		Not Present	
Downlink information for each radio link	A9, A10		REL-5
list			
- Downlink information for each radio link			
- Choice mode		FDD	
- Primary CPICH info			
- Primary scrambling code		Ref. to the Default setting in clause 6.1	
		(FDD)	
- PDSCH with SHO DCH info		Not Present	
- PDSCH code mapping		Not Present	
- Serving HS-DSCH radio link		TRUE	
indicator			
- Downlink DPCH info for each RL		Diana and ODIOLI and the	
- Primary CPICH usage for channel		Primary CPICH may be used	
estimation		Cot to value Default DDCLL Offt V-1	
- DPCH frame offset		Set to value Default DPCH Offset Value	
Secondary CDICH info		(as currently stored in SS) mod 38 400 Not Present	
- Secondary CPICH info - DL channelisation code		INOL FIESEIIL	
- Secondary scrambling code		Not present	
- Spreading factor		Reference to clause 6.10 Parameter Set	
- Code number		n control to clause of to Farameter Set	
- Scrambling code change		No code change	
- TPC combination index		n	
- SSDT Cell Identity		Not Present	
- Closed loop timing adjustment		Not Present	
mode		THE THE STATE OF T	
- SCCPCH information for FACH		Not Present	
Downlink information for each radio link	A6	Not Present	
list			
L	1	<u>I</u>	1

Condition	Explanation	Version
A1	This IE is needed for "Non speech to CELL_DCH from CELL_DCH in CS"	
A2	This IE is needed for "Speech to CELL_DCH from CELL_DCH in CS"	
A3	This IE is needed for "Packet to CELL_DCH from CELL_DCH in PS"	
A4	This IE is needed for "Packet to CELL_DCH from CELL_FACH in PS"	
A5	This IE is needed for "Packet to CELL_FACH from CELL_DCH in PS"	
A6	This IE is needed for "Packet to CELL_FACH from CELL_FACH in PS"	
A7	This IE is needed for "Non speech to CELL_DCH from CELL_FACH in CS"	
A8	This IE is needed for "Speech to CELL_DCH from CELL_FACH in CS"	
A9	This IE is needed for "Packet to CELL_DCH / HS-DSCH using three multiplexing options", or	REL-5
	when not stated otherwise, for "Packet to CELL_DCH / HS-DSCH from CELL_DCH in PS"	
A10	This IE is needed for "Packet to CELL_DCH / HS-DSCH using one multiplexing option", or	REL-5
	when not stated otherwise, for "Packet to CELL_DCH / HS-DSCH from CELL_FACH in PS"	
A11	This IE is needed for " Packet RAB Setup after Speech RAB Setup in CELL_DCH"	