

TSG RAN Meeting #23
Phoenix, Arizona, USA, 10 - 12 March 2004

RP-040071

Title CRs (Rel-5 and Rel-6 Category A) to TS 25.433
Source TSG RAN WG3
Agenda Item 7.4.5

RAN3 Tdoc	CR.	Rev.	Cat	Spec.	curr. Vers.	new Vers.	REL	Work Item	Title
R3-040210	955	-	F	25.433	5.7.0	5.8.0	REL-5	TEI5	Correction of Reconfiguration of Multiple Radio Links in TDD
R3-040211	956	-	A	25.433	6.0.0	6.1.0	REL-6	TEI5	Correction of Reconfiguration of Multiple Radio Links in TDD
R3-040332	973	-	F	25.433	5.7.0	5.8.0	REL-5	TEI5	NBAP Corrections for TDD
R3-040333	974	-	A	25.433	6.0.0	6.1.0	REL-6	TEI5	NBAP Corrections for TDD
R3-040453	984	-	F	25.433	5.7.0	5.8.0	REL-5	HSDPA -IubIur	Correction to HS-SCCH Code Range
R3-040454	985	-	A	25.433	6.0.0	6.1.0	REL-5	HSDPA -IubIur	Correction to HS-SCCH Code Range
R3-040464	953	1	F	25.433	5.7.0	5.8.0	REL-5	TEI5	Enabling of closed loop transmit diversity in TDD mode
R3-040465	954	1	A	25.433	6.0.0	6.1.0	REL-6	TEI5	Enabling of closed loop transmit diversity in TDD mode
R3-040484	967	1	F	25.433	5.7.0	5.8.0	REL-5	TEI5	Correction of the Dedicated Measurement Initiation procedure with "All NBCC".
R3-040485	968	1	A	25.433	6.0.0	6.1.0	REL-6	TEI5	Correction of the Dedicated Measurement Initiation procedure with "All NBCC".

CHANGE REQUEST

⌘ 25.433 CR 953 ⌘ rev 1 ⌘ Current version: 5.7.0 ⌘

For [HELP](#) 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 Radio Access Network Core Network

Title:	⌘ Enabling of closed loop transmit diversity in TDD mode		
Source:	⌘ RAN3		
Work item code:	⌘ TEI5	Date:	⌘ 16/2/2004
Category:	⌘ F Use <u>one</u> of the following categories: F (correction) A (corresponds to a correction in an earlier release) B (addition of feature), C (functional modification of feature) D (editorial modification) Detailed explanations of the above categories can be found in 3GPP TR 21.900 .	Release:	⌘ Rel-5 Use <u>one</u> 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:	⌘ In TDD mode, "closed loop" transmit diversity may be applied to DPCH, PDSCH, HS-PDSCH and HS-SCCH (see Section 4.6.1 and 5.5.1, TS 25.224, and also TS25.221). Transmit diversity is enabled at the Node B using the NBAP Cell Setup Request. However, the Transmit Diversity Applied IE, which should enable / disable transmit diversity for these physical channels has an incorrect comment in the semantics description. Rev1: ASN.1 contains the same error in a comment. Additionally, it is clarified that the SCTD Indicator applies to physical channels in beacon timeslots (these are 'beacon channels').
Summary of change:	⌘ <ol style="list-style-type: none">1. The semantic description for Transmit Diversity Applied IE in Cell Setup Request (TDD) is deleted.2. The information element description for Transmit Diversity Applied IE is changed to be applicable to: Physical channels that may use closed loop transmit diversity.3. The information element description for SCTD IE is changed to be applicable to: Beacon channels.4. (rev1) ASN.1 comment for id-TransmissionDiversityApplied deleted <p><u>Impact assessment towards the previous version of the specification (same release):</u> This CR has isolated impact towards the previous version of the specification</p>

(same release).

This CR has an impact under functional point of view.

The impact can be considered isolated because it only affects the use of closed loop transmit diversity and SCTD in TDD mode.

Consequences if not approved: ☹ It shall be left to the manufacturers to interpret the Transmit Diversity Applied IE in Cell Setup Request (TDD) as being applicable to PDSCH, HS-PDSCH, HS-SCCH. Additionally, manufacturers will be left to interpret the SCTD Indicator as being applicable to beacon channels.

Clauses affected: ☹ 9.1.24.2, 9.2.3.26, 9.2.3.30, 9.3.3

Other specs affected:

	Y	N		
☹	X		Other core specifications	☹ 25.433 v 6.0.0 CR954
		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 <http://www.3gpp.org/specs/CR.htm>.

Below is a brief summary:

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

9.1.24 CELL SETUP REQUEST

<<<<< FDD message removed >>>>>>

9.1.24.2 TDD Message

IE/Group Name	Presence	Range	IE Type and Reference	Semantics Description	Criticality	Assigned Criticality
Message Discriminator	M		9.2.1.45		–	
Message Type	M		9.2.1.46		YES	reject
Transaction ID	M		9.2.1.62		–	
Local Cell ID	M		9.2.1.38		YES	reject
C-ID	M		9.2.1.9		YES	reject
Configuration Generation Id	M		9.2.1.16		YES	reject
UARFCN	M		9.2.1.65	Corresponds to Nt [15]	YES	reject
Cell Parameter ID	M		9.2.3.4		YES	reject
Maximum Transmission Power	M		9.2.1.40		YES	reject
Transmission Diversity Applied	M		9.2.3.26	On-DCHs	YES	reject
Sync Case	M		9.2.3.18		YES	reject
Synchronisation Configuration		1			YES	reject
>N_INSYNC_IND	M		9.2.1.47A		–	
>N_OUTSYNC_IND	M		9.2.1.47B		–	
>T_RLFAILURE	M		9.2.1.56A		–	
DPCH Constant Value	M		Constant Value 9.2.3.4A	This IE shall be ignored by the Node B.	YES	reject
PUSCH Constant Value	M		Constant Value 9.2.3.4A	This IE shall be ignored by the Node B.	YES	reject
PRACH Constant Value	M		Constant Value 9.2.3.4A	This IE shall be ignored by the Node B.	YES	reject
Timing Advance Applied	M		9.2.3.22A		YES	reject
SCH Information		0..1		Mandatory for 3.84Mcps TDD. Not Applicable to 1.28Mcps TDD.	YES	reject
>Common Physical Channel ID	M		9.2.1.13		–	
>CHOICE Sync Case	M				YES	reject
>>Case 1					–	
>>>Time Slot	M		9.2.3.23		–	
>>Case 2					–	
>>>SCH Time Slot	M		9.2.3.17		–	
>SCH Power	M		DL Power 9.2.1.21		–	
>TSTD Indicator	M		9.2.1.64		–	
PCCPCH Information		0..1		Mandatory for 3.84Mcps TDD. Not Applicable to 1.28Mcps TDD.	YES	reject
>Common Physical Channel ID	M		9.2.1.13		–	
>TDD Physical Channel Offset	M		9.2.3.20		–	
>Repetition Period	M		9.2.3.16		–	
>Repetition Length	M		9.2.3.15		–	

>PCCPCH Power	M		9.2.3.9		–	
>SCTD Indicator	M		9.2.3.30		–	
Time Slot Configuration		0..15		Mandatory for 3.84Mcps TDD. Not Applicable to 1.28Mcps TDD.	GLOBAL	reject
>Time Slot	M		9.2.3.23		–	
>Time Slot Status	M		9.2.3.25		–	
>Time Slot Direction	M		9.2.3.24		–	
Time Slot Configuration LCR		0..7		Mandatory for 1.28Mcps TDD. Not Applicable to 3.84Mcps TDD.	GLOBAL	reject
>Time Slot LCR	M		9.2.3.24A		–	
>Time Slot Status	M		9.2.3.25		–	
>Time Slot Direction	M		9.2.3.24		–	
PCCPCH Information LCR		0..1		Mandatory for 1.28Mcps TDD. Not Applicable to 3.84Mcps TDD.	YES	reject
>Common Physical Channel ID	M		9.2.1.13		–	
>TDD Physical Channel Offset	M		9.2.3.20		–	
>Repetition Period	M		9.2.3.16		–	
>Repetition Length	M		9.2.3.15		–	
>PCCPCH Power	M		9.2.3.9		–	
>SCTD Indicator	M		9.2.3.30		–	
>TSTD Indicator	M		9.2.1.64		–	
DwPCH Information		0..1		Mandatory for 1.28Mcps TDD. Not Applicable to 3.84Mcps TDD.	YES	reject
>Common Physical Channel ID	M		9.2.1.13		–	
>TSTD Indicator	M		9.2.1.64		–	
>DwPCH Power	M		9.2.3.5B		–	
Reference SFN Offset	O		9.2.3.14B		YES	ignore
IPDL Parameter Information		0..1		Applicable to 3.84 Mcps TDD only	YES	reject
>IPDL TDD Parameters	M		9.2.3.5D		–	
>IPDL Indicator	M		9.2.1.36F		–	
IPDL Parameter Information LCR		0..1		Applicable to 1.28Mcps TDD only	YES	reject
>IPDL TDD Parameters LCR	M		9.2.3.5H		–	
>IPDL Indicator	M		9.2.1.36F		–	

9.2.3.26 Transmission Diversity Applied

Defines if Transmission Diversity on ~~DCHs~~ physical channels that may use closed loop transmit diversity is to be applied in a cell (see ref. [19]).

IE/Group Name	Presence	Range	IE Type and Reference	Semantics Description
Transmission Diversity Applied			BOOLEAN	True: Transmission Diversity shall be applied in this Cell. False: Transmission Diversity shall not be applied in this Cell.

9.2.3.30 SCTD Indicator

Indicates if SCTD antenna diversity is applied or not to ~~the PCCPCH and PICH [3.84Meps TDD]~~ [beacon channels \(see ref. \[19\]\)](#).

IE/Group Name	Presence	Range	IE Type and Reference	Semantics Description
SCTD Indicator			ENUMERATED (active, inactive)	

9.3.3 PDU Definitions

```

CellSetupRequestTDD-IEs NBAP-PROTOCOL-IES ::= {
  { ID id-Local-Cell-ID                CRITICALITY reject TYPE Local-Cell-ID                PRESENCE mandatory }|
  { ID id-C-ID                          CRITICALITY reject TYPE C-ID                          PRESENCE mandatory }|
  { ID id-ConfigurationGenerationID     CRITICALITY reject TYPE ConfigurationGenerationID     PRESENCE mandatory }|
  { ID id-UARFCNforNt                   CRITICALITY reject TYPE UARFCN                          PRESENCE mandatory }|
  { ID id-CellParameterID               CRITICALITY reject TYPE CellParameterID               PRESENCE mandatory }|
  { ID id-MaximumTransmissionPower      CRITICALITY reject TYPE MaximumTransmissionPower      PRESENCE mandatory }|
  { ID id-TransmissionDiversityApplied  CRITICALITY reject TYPE TransmissionDiversityApplied  PRESENCE mandatory }|
  On-DCHs
  { ID id-SyncCase                       CRITICALITY reject TYPE SyncCase                       PRESENCE mandatory }|
  { ID id-Synchronisation-Configuration-Cell-SetupRqst CRITICALITY reject TYPE Synchronisation-Configuration-Cell-SetupRqst PRESENCE mandatory }|
}|
  { ID id-DPCHConstant                   CRITICALITY reject TYPE ConstantValue                   PRESENCE mandatory }|
  -- This IE shall be ignored by the Node B.
  { ID id-PUSCHConstant                   CRITICALITY reject TYPE ConstantValue                   PRESENCE mandatory }|
  -- This IE shall be ignored by the Node B.
  { ID id-PRACHConstant                   CRITICALITY reject TYPE ConstantValue                   PRESENCE mandatory }|
  -- This IE shall be ignored by the Node B.
  { ID id-TimingAdvanceApplied            CRITICALITY reject TYPE TimingAdvanceApplied            PRESENCE mandatory }|
  { ID id-SCH-Information-Cell-SetupRqstTDD CRITICALITY reject TYPE SCH-Information-Cell-SetupRqstTDD PRESENCE optional }|
  -- Mandatory for 3.84Mcps TDD, Not Applicable to 1.28Mcps TDD
  { ID id-PCCPCH-Information-Cell-SetupRqstTDD CRITICALITY reject TYPE PCCPCH-Information-Cell-SetupRqstTDD PRESENCE optional }|
  -- Mandatory for 3.84Mcps TDD, Not Applicable to 1.28Mcps TDD
  { ID id-TimeSlotConfigurationList-Cell-SetupRqstTDD CRITICALITY reject TYPE TimeSlotConfigurationList-Cell-SetupRqstTDD PRESENCE optional }|
  -- Mandatory for 3.84Mcps TDD, Not Applicable to 1.28Mcps TDD
},
  ...
}

```

CHANGE REQUEST

25.433 CR 954 # rev **1** # Current version: **6.0.0**

For **HELP** 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 Radio Access Network Core Network

Title:	# Enabling of closed loop transmit diversity in TDD mode		
Source:	# RAN3		
Work item code:	# TEI5	Date:	# 16/02/2004
Category:	# A	Release:	# Rel-6
	Use <u>one</u> of the following categories:		Use <u>one</u> of the following releases:
	F (correction)		2 (GSM Phase 2)
	A (corresponds to a correction in an earlier release)		R96 (Release 1996)
	B (addition of feature),		R97 (Release 1997)
	C (functional modification of feature)		R98 (Release 1998)
	D (editorial modification)		R99 (Release 1999)
	Detailed explanations of the above categories can be found in 3GPP TR 21.900 .		Rel-4 (Release 4)
			Rel-5 (Release 5)
			Rel-6 (Release 6)

Reason for change:	# In TDD mode, "closed loop" transmit diversity may be applied to DPCH, PDSCH, HS-PDSCH and HS-SCCH (see Section 4.6.1 and 5.5.1, TS 25.224, and also TS25.221). Transmit diversity is enabled at the Node B using the NBAP Cell Setup Request. However, the Transmit Diversity Applied IE, which should enable / disable transmit diversity for these physical channels has an incorrect comment in the semantics description. Rev1: ASN.1 contains the same error in a comment. Additionally, it is clarified that the SCTD Indicator applies to physical channels in beacon timeslots (these are 'beacon channels').
Summary of change:	# <ol style="list-style-type: none"> 1. The semantic description for Transmit Diversity Applied IE in Cell Setup Request (TDD) is deleted. 2. The information element description for Transmit Diversity Applied IE is changed to be applicable to: Physical channels that may use closed loop transmit diversity. 3. The information element description for SCTD IE is changed to be applicable to: Beacon channels. 4. (rev1) ASN.1 comment for id-TransmissionDiversityApplied deleted <p><u>Impact assessment towards the previous version of the specification (same release):</u></p> <p>This CR has isolated impact towards the previous version of the specification</p>

(same release).

This CR has an impact under functional point of view.

The impact can be considered isolated because it only affects the use of closed loop transmit diversity and SCTD in TDD mode.

Consequences if not approved: ☹ It shall be left to the manufacturers to interpret the Transmit Diversity Applied IE in Cell Setup Request (TDD) as being applicable to PDSCH, HS-PDSCH, HS-SCCH. Additionally, manufacturers will be left to interpret the SCTD Indicator as being applicable to beacon channels.

Clauses affected: ☹ 9.1.24.2, 9.2.3.26, 9.2.3.30, 9.3.3

Other specs affected:	☹	<table border="1"><tr><td>Y</td><td>N</td></tr><tr><td>X</td><td></td></tr><tr><td></td><td>X</td></tr><tr><td></td><td>X</td><td></td></tr></table>	Y	N	X			X		X		Other core specifications	☹	25.433 v 5.7.0 CR953
		Y	N											
		X												
	X													
	X													
	X	Test specifications												
	X	O&M Specifications												

Other comments: ☹

How to create CRs using this form:

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Below is a brief summary:

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- 3) With "track changes" disabled, paste the entire CR form (use CTRL-A to select it) into the specification just in front of the clause containing the first piece of changed text. Delete those parts of the specification which are not relevant to the change request.

9.1.24 CELL SETUP REQUEST

<<<<< FDD message removed >>>>>>

9.1.24.2 TDD Message

IE/Group Name	Presence	Range	IE Type and Reference	Semantics Description	Criticality	Assigned Criticality
Message Discriminator	M		9.2.1.45		–	
Message Type	M		9.2.1.46		YES	reject
Transaction ID	M		9.2.1.62		–	
Local Cell ID	M		9.2.1.38		YES	reject
C-ID	M		9.2.1.9		YES	reject
Configuration Generation Id	M		9.2.1.16		YES	reject
UARFCN	M		9.2.1.65	Corresponds to Nt [15]	YES	reject
Cell Parameter ID	M		9.2.3.4		YES	reject
Maximum Transmission Power	M		9.2.1.40		YES	reject
Transmission Diversity Applied	M		9.2.3.26	On-DCHs	YES	reject
Sync Case	M		9.2.3.18		YES	reject
Synchronisation Configuration		1			YES	reject
>N_INSYNC_IND	M		9.2.1.47A		–	
>N_OUTSYNC_IND	M		9.2.1.47B		–	
>T_RLFAILURE	M		9.2.1.56A		–	
DPCH Constant Value	M		Constant Value 9.2.3.4A	This IE shall be ignored by the Node B.	YES	reject
PUSCH Constant Value	M		Constant Value 9.2.3.4A	This IE shall be ignored by the Node B.	YES	reject
PRACH Constant Value	M		Constant Value 9.2.3.4A	This IE shall be ignored by the Node B.	YES	reject
Timing Advance Applied	M		9.2.3.22A		YES	reject
SCH Information		0..1		Mandatory for 3.84Mcps TDD. Not Applicable to 1.28Mcps TDD.	YES	reject
>Common Physical Channel ID	M		9.2.1.13		–	
>CHOICE Sync Case	M				YES	reject
>>Case 1					–	
>>>Time Slot	M		9.2.3.23		–	
>>Case 2					–	
>>>SCH Time Slot	M		9.2.3.17		–	
>SCH Power	M		DL Power 9.2.1.21		–	
>TSTD Indicator	M		9.2.1.64		–	
PCCPCH Information		0..1		Mandatory for 3.84Mcps TDD. Not Applicable to 1.28Mcps TDD.	YES	reject
>Common Physical Channel ID	M		9.2.1.13		–	
>TDD Physical Channel Offset	M		9.2.3.20		–	
>Repetition Period	M		9.2.3.16		–	
>Repetition Length	M		9.2.3.15		–	

>PCCPCH Power	M		9.2.3.9		–	
>SCTD Indicator	M		9.2.3.30		–	
Time Slot Configuration		0..15		Mandatory for 3.84Mcps TDD. Not Applicable to 1.28Mcps TDD.	GLOBAL	reject
>Time Slot	M		9.2.3.23		–	
>Time Slot Status	M		9.2.3.25		–	
>Time Slot Direction	M		9.2.3.24		–	
Time Slot Configuration LCR		0..7		Mandatory for 1.28Mcps TDD. Not Applicable to 3.84Mcps TDD.	GLOBAL	reject
>Time Slot LCR	M		9.2.3.24A		–	
>Time Slot Status	M		9.2.3.25		–	
>Time Slot Direction	M		9.2.3.24		–	
PCCPCH Information LCR		0..1		Mandatory for 1.28Mcps TDD. Not Applicable to 3.84Mcps TDD.	YES	reject
>Common Physical Channel ID	M		9.2.1.13		–	
>TDD Physical Channel Offset	M		9.2.3.20		–	
>Repetition Period	M		9.2.3.16		–	
>Repetition Length	M		9.2.3.15		–	
>PCCPCH Power	M		9.2.3.9		–	
>SCTD Indicator	M		9.2.3.30		–	
>TSTD Indicator	M		9.2.1.64		–	
DwPCH Information		0..1		Mandatory for 1.28Mcps TDD. Not Applicable to 3.84Mcps TDD.	YES	reject
>Common Physical Channel ID	M		9.2.1.13		–	
>TSTD Indicator	M		9.2.1.64		–	
>DwPCH Power	M		9.2.3.5B		–	
Reference SFN Offset	O		9.2.3.14B		YES	ignore
IPDL Parameter Information		0..1		Applicable to 3.84 Mcps TDD only	YES	reject
>IPDL TDD Parameters	M		9.2.3.5D		–	
>IPDL Indicator	M		9.2.1.36F		–	
IPDL Parameter Information LCR		0..1		Applicable to 1.28Mcps TDD only	YES	reject
>IPDL TDD Parameters LCR	M		9.2.3.5H		–	
>IPDL Indicator	M		9.2.1.36F		–	

9.2.3.26 Transmission Diversity Applied

Defines if Transmission Diversity on ~~DCHs~~ physical channels that may use closed loop transmit diversity is to be applied in a cell (see ref. [19]).

IE/Group Name	Presence	Range	IE Type and Reference	Semantics Description
Transmission Diversity Applied			BOOLEAN	True: Transmission Diversity shall be applied in this Cell. False: Transmission Diversity shall not be applied in this Cell.

9.2.3.30 SCTD Indicator

Indicates if SCTD antenna diversity is applied or not to ~~the PCCPCH and PICH [3.84Meps TDD]~~ [beacon channels \(see ref. \[19\]\)](#).

IE/Group Name	Presence	Range	IE Type and Reference	Semantics Description
SCTD Indicator			ENUMERATED (active, inactive)	

9.3.3 PDU Definitions

```

CellSetupRequestTDD-IEs NBAP-PROTOCOL-IES ::= {
  { ID id-Local-Cell-ID                CRITICALITY reject TYPE Local-Cell-ID                PRESENCE mandatory }|
  { ID id-C-ID                          CRITICALITY reject TYPE C-ID                          PRESENCE mandatory }|
  { ID id-ConfigurationGenerationID     CRITICALITY reject TYPE ConfigurationGenerationID     PRESENCE mandatory }|
  { ID id-UARFCNforNt                   CRITICALITY reject TYPE UARFCN                          PRESENCE mandatory }|
  { ID id-CellParameterID               CRITICALITY reject TYPE CellParameterID              PRESENCE mandatory }|
  { ID id-MaximumTransmissionPower      CRITICALITY reject TYPE MaximumTransmissionPower      PRESENCE mandatory }|
  { ID id-TransmissionDiversityApplied   CRITICALITY reject TYPE TransmissionDiversityApplied   PRESENCE mandatory }|
  On-DCHs
  { ID id-SyncCase                       CRITICALITY reject TYPE SyncCase                          PRESENCE mandatory }|
  { ID id-Synchronisation-Configuration-Cell-SetupRqst CRITICALITY reject TYPE Synchronisation-Configuration-Cell-SetupRqst PRESENCE mandatory }|
}|
  { ID id-DPCHConstant                   CRITICALITY reject TYPE ConstantValue                          PRESENCE mandatory }|
  -- This IE shall be ignored by the Node B.
  { ID id-PUSCHConstant                   CRITICALITY reject TYPE ConstantValue                          PRESENCE mandatory }|
  -- This IE shall be ignored by the Node B.
  { ID id-PRACHConstant                   CRITICALITY reject TYPE ConstantValue                          PRESENCE mandatory }|
  -- This IE shall be ignored by the Node B.
  { ID id-TimingAdvanceApplied            CRITICALITY reject TYPE TimingAdvanceApplied              PRESENCE mandatory }|
  { ID id-SCH-Information-Cell-SetupRqstTDD CRITICALITY reject TYPE SCH-Information-Cell-SetupRqstTDD      PRESENCE optional }|
  -- Mandatory for 3.84Mcps TDD, Not Applicable to 1.28Mcps TDD
  { ID id-PCCPCH-Information-Cell-SetupRqstTDD CRITICALITY reject TYPE PCCPCH-Information-Cell-SetupRqstTDD      PRESENCE optional }|
  -- Mandatory for 3.84Mcps TDD, Not Applicable to 1.28Mcps TDD
  { ID id-TimeSlotConfigurationList-Cell-SetupRqstTDD CRITICALITY reject TYPE TimeSlotConfigurationList-Cell-SetupRqstTDD      PRESENCE optional }|
  -- Mandatory for 3.84Mcps TDD, Not Applicable to 1.28Mcps TDD
},
  ...
}

```

CHANGE REQUEST

⌘ **25.433 CR 955** ⌘ rev - ⌘ Current version: **5.7.0** ⌘

For **HELP** 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 Radio Access Network Core Network

Title:	⌘ Correction of Reconfiguration of Multiple Radio Links in TDD		
Source:	⌘ RAN3		
Work item code:	⌘ TEI5	Date:	⌘ 09/02/2004
Category:	⌘ F	Release:	⌘ Rel-5
	<i>Use one of the following categories:</i> 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 .		<i>Use one of the following releases:</i> 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:	⌘ CR 906 which added the possibility for reconfiguration of multiple radio link for TDD had a couple of flaws. First, the handling of the radio link identifiers for the multiple repetitions was somewhat abiguous because it is currently a mandatory parameter in an extension container. Second, 4 of the ASN.1 containers that hold the multiple repetitions do not contain extension containers so they can't be enhanced in the future
Summary of change:	⌘ The radio link identifiers have been made optional in each repetition of the information but with abnormal conditions to handle the case where the identifiers are not present but are necessary (when multiple radio links exist in the Node B Context). Additionally the multiple rl containers are also expanded to include the extension containers.
Consequences if not approved:	⌘ The new IEs added for reconfiguration of multiple radio links would not work properly and would not be extendable in the future. Impact Analysis: Impact assessment towards the previous version of the specification (same release): This CR is backward incompatible but has very isolated impact since it has impact only to synchronized reconfiguration of radio links after multiple radio links are preallocated.

Clauses affected:	⌘ 8.3.2, 9.1.42, 9.3.3		
	<table border="1" style="display: inline-table; border-collapse: collapse;"> <tr> <td style="padding: 2px 5px;">Y</td> <td style="padding: 2px 5px;">N</td> </tr> </table>	Y	N
Y	N		

Other specs	⌘	<input checked="" type="checkbox"/>		Other core specifications	⌘	25.433 v6.0.0 CR 956
affected:			<input checked="" type="checkbox"/>	Test specifications		
			<input checked="" type="checkbox"/>	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 <http://www.3gpp.org/specs/CR.htm>. Below is a brief summary:

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

8.3.2 Synchronised Radio Link Reconfiguration Preparation

8.3.2.4 Abnormal Conditions

If only a subset of all the DCHs belonging to a set of co-ordinated DCHs is requested to be deleted, the Node B shall regard the Synchronised Radio Link Reconfiguration Preparation procedure as having failed and shall send the RADIO LINK RECONFIGURATION FAILURE message to the CRNC.

If more than one DCH of a set of co-ordinated DCHs has the *QE-Selector* IE set to "selected" [TDD – or no DCH of a set of co-ordinated DCHs has the *QE-Selector* IE set to "selected"], the Node B shall regard the Synchronised Radio Link Reconfiguration Preparation procedure as failed and shall respond with a RADIO LINK RECONFIGURATION FAILURE message.

[FDD - If the *RL Information* IE includes the *SSDT Indication* IE set to "SSDT Active in the UE" and SSDT is not active in the current configuration, the Node B shall regard the Synchronised Radio Link Reconfiguration Preparation procedure as failed if the *UL DPCH Information* IE does not include the *SSDT Cell Identity Length* IE. In this case, it shall respond with a RADIO LINK RECONFIGURATION FAILURE message.]

If the RADIO LINK RECONFIGURATION PREPARE message includes a *DCHs To Modify* IE or *DCHs To Add* IE with multiple *DCH Specific Info* IEs, and if the DCHs in the *DCHs To Modify* IE or *DCHs To Add* IE do not have the same *Transmission Time Interval* IE in the *Semi-Static Transport Format Information* IE, then the Node B shall reject the procedure using the RADIO LINK RECONFIGURATION FAILURE message.

[FDD - If the *RL Information* IE includes the *DL Reference Power* IEs, but the power balancing is not active in the indicated RL(s), the Node B shall regard the Synchronised Radio Link Reconfiguration Preparation procedure as having failed and the Node B shall respond with the RADIO LINK RECONFIGURATION FAILURE message with the cause value "Power Balancing status not compatible".]

[FDD - If the power balancing is active with the Power Balancing Adjustment Type of the Node B Communication Context set to "Common" in the existing RL(s) but the *RL Information* IE includes more than one *DL Reference Power* IEs, the Node B shall regard the Synchronised Radio Link Reconfiguration Preparation procedure as having failed and the Node B shall respond with the RADIO LINK RECONFIGURATION FAILURE message with the cause value "Power Balancing status not compatible".]

[FDD – If the RADIO LINK RECONFIGURATION PREPARE message includes the *Length Of TFCI2* IE but the *TFCI Signalling Option* IE is set to "Normal", then the Node B shall reject the procedure using the RADIO LINK RECONFIGURATION FAILURE message.]

[FDD – If the RADIO LINK RECONFIGURATION PREPARE message does not include the *Length Of TFCI2* IE but the *Split Type* IE is set to "Logical", then the Node B shall reject the procedure using the RADIO LINK RECONFIGURATION FAILURE message.]

[FDD – If the RADIO LINK RECONFIGURATION PREPARE message includes the *Split Type* IE set to the value "Hard" and the *Length Of TFCI2* IE set to the value "1", "2", "5", "8", "9" or "10", then the Node B shall reject the procedure using the RADIO LINK RECONFIGURATION FAILURE message.]

If the RADIO LINK RECONFIGURATION PREPARE message contains the *Transport Layer Address* IE or the *Binding ID* IE when establishing a transport bearer for any Transport Channel or HS-DSCH MAC-d flow being added, or any Transport Channel or HS-DSCH MAC-d flow being modified for which a new transport bearer was requested with the *Transport Bearer Request Indicator* IE, and not both are present for a transport bearer intended to be established, the Node B shall reject the procedure using the RADIO LINK RECONFIGURATION FAILURE message.

[FDD – If the RADIO LINK RECONFIGURATION PREPARE message is to modify UE channel estimation information for an existing RL and the modification is not allowed according to [10] subclause 4.3.2.1, the Node B shall reject the procedure using the RADIO LINK RECONFIGURATION FAILURE message.]

If the RADIO LINK RECONFIGURATION PREPARE message contains any of the *HS-DSCH Information To Modify* IE, *HS-DSCH MAC-d Flows To Add* IE or *HS-DSCH MAC-d Flows To Delete* IE in addition to the *HS-DSCH Information* IE, the Node B shall reject the procedure using the RADIO LINK RECONFIGURATION FAILURE message.

If the RADIO LINK RECONFIGURATION PREPARE message contains any of the *HS-DSCH Information To Modify* IE, *HS-DSCH MAC-d Flows To Add* IE, *HS-DSCH MAC-d Flows To Delete* IE or *HS-PDSCH RL ID* IE and the

Serving HS-DSCH Radio Link is not in the Node B, the Node B shall reject the procedure using the RADIO LINK RECONFIGURATION FAILURE message.

If the RADIO LINK RECONFIGURATION PREPARE message includes the *HS-DSCH Information* IE and does not include the *HS-PDSCH RL-ID* IE, the Node B shall reject the procedure using the RADIO LINK RECONFIGURATION FAILURE message.

[TDD - If multiple radio links exist within the Node B Communication Context and the RADIO LINK RECONFIGURATION PREPARE message does not include a *RL ID* IE within each *UL DPCH To Add Per RL IE*, *DL DPCH To Add Per RL IE*, *UL DPCH To Modify Per RL IE*, and *DL DPCH To Modify Per RL IE* that is present in the message, the Node B shall reject the procedure using the RADIO LINK RECONFIGURATION FAILURE message.]

9.1.42 RADIO LINK RECONFIGURATION PREPARE

9.1.42.2 TDD Message

IE/Group Name	Presence	Range	IE Type and Reference	Semantics Description	Criticality	Assigned Criticality
Message Discriminator	M		9.2.1.45		–	
Message Type	M		9.2.1.46		YES	reject
Transaction ID	M		9.2.1.62		–	
Node B Communication Context ID	M		9.2.1.48	The reserved value "All NBCC" shall not be used.	YES	reject
UL CCTrCH To Add		<i>0..<maxno of CCTrCHs></i>			GLOBAL	reject
>CCTrCH ID	M		9.2.3.3		–	
>TFCS	M		9.2.1.58		–	
>TFCI Coding	M		9.2.3.22		–	
>Puncture Limit	M		9.2.1.50		–	
>UL DPCH To Add Per RL		<i>0..<maxno of RLs></i>		See note 1 below	–	
>>UL DPCH Information		<i>0..1</i>		Applicable to 3.84Mcps TDD only	YES	reject
>>>Repetition Period	M		9.2.3.16		–	
>>>Repetition Length	M		9.2.3.15		–	
>>>TDD DPCH Offset	M		9.2.3.19A		–	
>>>UL Timeslot Information	M		9.2.3.26C		–	
>>UL DPCH Information LCR		<i>0..1</i>		Applicable to 1.28Mcps TDD only	YES	reject
>>>Repetition Period	M		9.2.3.16		–	
>>>Repetition Length	M		9.2.3.15		–	
>>>TDD DPCH Offset	M		9.2.3.19A		–	
>>>UL Timeslot Information LCR	M		9.2.3.26E		–	
>>UL SIR Target	O		UL SIR 9.2.1.67A	Mandatory for 1.28Mcps TDD. Not Applicable to 3.84Mcps TDD	YES	reject
>>TDD TPC UL Step Size	O		9.2.3.21a	Mandatory for 1.28Mcps TDD. Not Applicable to 3.84Mcps TDD.	YES	reject
>>RL ID	MO		9.2.1.53		YES	ignore
UL CCTrCH To Modify		<i>0..<maxno of CCTrCHs></i>			GLOBAL	reject
>CCTrCH ID	M		9.2.3.3		–	
>TFCS	O		9.2.1.58		–	
>TFCI Coding	O		9.2.3.22		–	
>Puncture Limit	O		9.2.1.50		–	
>UL DPCH To Modify Per RL		<i>0..<maxno of RLs></i>		See note 1 below	–	
>>UL DPCH To Add		<i>0..1</i>		Applicable to 3.84Mcps TDD only	YES	reject

>>>Repetition Period	M		9.2.3.16		–	
>>>Repetition Length	M		9.2.3.15		–	
>>>TDD DPCH Offset	M		9.2.3.19A		–	
>>>UL Timeslot Information	M		9.2.3.26C		–	
>>UL DPCH To Modify		0..1			YES	reject
>>>Repetition Period	O		9.2.3.16		–	
>>>Repetition Length	O		9.2.3.15		–	
>>>TDD DPCH Offset	O		9.2.3.19A		–	
>>>UL Timeslot Information		0..<maxno ofULts>		Applicable to 3.84Mcps TDD only	–	
>>>>Time Slot	M		9.2.3.23		–	
>>>>Midamble Shift And Burst Type	O		9.2.3.7		–	
>>>>TFCI Presence	O		9.2.1.57		–	
>>>>UL Code Information		0..<maxno ofDPCHs>			–	
>>>>>DPCH ID	M		9.2.3.5		–	
>>>>>TDD Channelisation Code	O		9.2.3.19		–	
>>>UL Timeslot Information LCR		0..<maxno ofULtsLCR >		Applicable to 1.28Mcps TDD only	GLOBAL	reject
>>>>Time Slot LCR	M		9.2.3.24A		–	
>>>>Midamble Shift LCR	O		9.2.3.7A			
>>>>TFCI Presence	O		9.2.1.57		–	
>>>>UL Code Information LCR		0..<maxno ofDPCH LCR>			–	
>>>>>DPCH ID	M		9.2.3.5		–	
>>>>>TDD Channelisation Code LCR	O		9.2.3.19a		–	
>>>>> TDD UL DPCH Time Slot Format LCR	O		9.2.3.21C		YES	reject
>>UL DPCH To Delete		0..<maxno ofDPCHs>			GLOBAL	reject
>>>DPCH ID	M		9.2.3.5		–	
>>UL DPCH To Add LCR		0..1		Applicable to 1.28Mcps TDD only	YES	reject
>>>Repetition Period	M		9.2.3.16		–	
>>>Repetition Length	M		9.2.3.15		–	
>>>TDD DPCH Offset	M		9.2.3.19A		–	
>>>UL Timeslot Information LCR	M		9.2.3.26E		–	
>>UL SIR Target	O		UL SIR 9.2.1.67A	Applicable to 1.28Mcps TDD only	YES	reject
>>TDD TPC UL Step Size	O		9.2.3.21a	Applicable to 1.28Mcps TDD only	YES	reject
>>RL ID	M O		9.2.1.53		YES	ignore
UL CCTrCH To Delete		0..<maxno ofCCTrCH s>			GLOBAL	reject
>CCTrCH ID	M		9.2.3.3		–	
DL CCTrCH To Add		0..<maxno			GLOBAL	reject

		<i>ofCCTrCHs></i>				
>CCTrCH ID	M		9.2.3.3		–	
>TFCS	M		9.2.1.58		–	
>TFCI Coding	M		9.2.3.22		–	
>Puncture Limit	M		9.2.1.50		–	
>TPC CCTrCH List		<i>0..<maxno ofCCTrCHs></i>		List of uplink CCTrCH which provide TPC	–	
>>TPC CCTrCH ID	M		CCTrCH ID 9.2.3.3		–	
>DL DPCH To Add Per RL		<i>0..<maxno ofRLs></i>		See Note 1 below	–	
>>DL DPCH Information		<i>0..1</i>		Applicable to 3.84Mcps TDD only	YES	reject
>>>Repetition Period	M		9.2.3.16		–	
>>>Repetition Length	M		9.2.3.15		–	
>>>TDD DPCH Offset	M		9.2.3.19A		–	
>>>DL Timeslot Information	M		9.2.3.4E		–	
>>DL DPCH Information LCR		<i>0..1</i>		Applicable to 1.28Mcps TDD only	YES	reject
>>>Repetition Period	M		9.2.3.16		–	
>>>Repetition Length	M		9.2.3.15		–	
>>>TDD DPCH Offset	M		9.2.3.19A		–	
>>>DL Timeslot Information LCR	M		9.2.3.4O		–	
>>CCTrCH Initial DL Transmission Power	O		DL Power 9.2.1.21		YES	ignore
>>TDD TPC DL Step Size	O		9.2.3.21		YES	reject

>>CCTrCH Maximum DL Transmission Power	O		DL Power 9.2.1.21		YES	ignore
>>CCTrCH Minimum DL Transmission Power	O		DL Power 9.2.1.21		YES	ignore
>>RL ID	M O		9.2.1.53		YES	ignore
DL CCTrCH To Modify		<i>0..<maxno ofCCTrCHs></i>			GLOBAL	reject
>CCTrCH ID	M		9.2.3.3		–	
>TFCS	O		9.2.1.58		–	
>TFCI Coding	O		9.2.3.22		–	
>Puncture Limit	O		9.2.1.50		–	
>TPC CCTrCH List		<i>0..<maxno ofCCTrCHs></i>		List of uplink CCTrCH which provide TPC	–	
>>TPC CCTrCH ID	M		CCTrCH ID 9.2.3.3		–	
>DL DPCH To Modify Per RL		<i>0..<maxno ofRLs></i>		See Note 1 below	–	
>>DL DPCH To Add		<i>0..1</i>		Applicable to 3.84Mcps TDD only	YES	reject
>>>Repetition Period	M		9.2.3.16		–	
>>>Repetition Length	M		9.2.3.15		–	
>>>TDD DPCH Offset	M		9.2.3.19A		–	
>>>DL Timeslot Information	M		9.2.3.4E		–	
>>DL DPCH To Modify		<i>0..1</i>			YES	reject
>>>Repetition Period	O		9.2.3.16		–	
>>>Repetition Length	O		9.2.3.15		–	
>>>TDD DPCH Offset	O		9.2.3.19A		–	
>>>DL Timeslot Information		<i>0..<maxno ofDLts></i>		Applicable to 3.84Mcps TDD only	–	
>>>>Time Slot	M		9.2.3.23		–	
>>>>Midamble Shift And Burst Type	O		9.2.3.7		–	
>>>>TFCI Presence	O		9.2.1.57		–	
>>>>DL Code Information		<i>0..<maxno ofDPCHs></i>			–	
>>>>>DPCH ID	M		9.2.3.5		–	
>>>>>TDD Channelisation Code	O		9.2.3.19		–	
>>>>DL Timeslot Information LCR		<i>0..<maxno ofDLtsLCR></i>		Applicable to 1.28Mcps TDD only	GLOBAL	reject
>>>>>Time Slot LCR	M		9.2.3.24A		–	
>>>>>Midamble Shift LCR	O		9.2.3.7A		–	
>>>>>TFCI Presence	O		9.2.1.57		–	
>>>>>DL Code Information LCR		<i>0..<maxno ofDPCHsLCR></i>			–	
>>>>>>DPCH ID	M		9.2.3.5		–	
>>>>>>TDD Channelisation Code LCR	O		9.2.3.19a		–	
>>>>>>TDD DL DPCH Time Slot Format LCR	O		9.2.3.19D		YES	reject

>>>>Maximum DL Power to Modify LCR	O		DL Power 9.2.1.21	Maximum allowed power on DPCH	YES	ignore
>>>>Minimum DL Power to Modify LCR	O		DL Power 9.2.1.21	Minimum allowed power on DPCH	YES	ignore
>>DL DPCH To Delete		<i>0..<maxno ofDPCHs></i>			GLOBAL	reject
>>>DPCH ID	M		9.2.3.5		–	
>>DL DPCH To Add LCR		<i>0..1</i>		Applicable to 1.28Mcps TDD only	YES	reject
>>>Repetition Period	M		9.2.3.16		–	
>>>Repetition Length	M		9.2.3.15		–	
>>>TDD DPCH Offset	M		9.2.3.19A		–	
>>>DL Timeslot Information LCR	M		9.2.3.4O		–	
>>TDD TPC DL Step Size	O		9.2.3.21		YES	reject
>>Maximum CCTrCH DL Power to Modify	O		DL Power 9.2.1.21		YES	ignore
>>Minimum CCTrCH DL Power to Modify	O		DL Power 9.2.1.21		YES	ignore
>>RL ID	MO		9.2.1.53		YES	ignore
DL CCTrCH To Delete		<i>0..<maxno ofCCTrCHs></i>			GLOBAL	reject
>CCTrCH ID	M		9.2.3.3		–	
DCHs To Modify	O		DCHs TDD To Modify 9.2.3.4D		YES	reject
DCHs To Add	O		DCH TDD Information 9.2.3.4C		YES	reject
DCHs To Delete		<i>0..<maxno ofDCHs></i>			GLOBAL	reject
>DCH ID	M		9.2.1.20		–	
DSCH To Modify		<i>0..<maxno ofDSCHs></i>			GLOBAL	reject
>DSCH ID	M		9.2.1.27		–	
>CCTrCH ID	O		9.2.3.3	DL CCTrCH in which the DSCH is mapped	–	
>Transport Format Set	O		9.2.1.59		–	
>Allocation/Retention Priority	O		9.2.1.1A		–	
>Frame Handling Priority	O		9.2.1.30		–	
>ToAWS	O		9.2.1.61		–	
>ToAWE	O		9.2.1.60		–	
>Transport Bearer Request Indicator	M		9.2.1.62A		–	
>Binding ID	O		9.2.1.4	Shall be ignored if bearer establishment with ALCAP.	YES	ignore
>Transport Layer Address	O		9.2.1.63	Shall be ignored if bearer establishment with ALCAP.	YES	ignore
DSCH To Add	O		DSCH TDD Information		YES	reject

			9.2.3.5A			
DSCH To Delete		<i>0..<maxno ofDSCHs></i>			GLOBAL	reject
>DSCH ID	M		9.2.1.27		–	
USCH To Modify		<i>0..<maxno ofUSCHs></i>			GLOBAL	reject
>USCH ID	M		9.2.3.27		–	
>Transport Format Set	O		9.2.1.59		–	
>Allocation/Retention Priority	O		9.2.1.1A		–	
>CCTrCH ID	O		9.2.3.3	UL CCTrCH in which the USCH is mapped	–	
>Transport Bearer Request Indicator	M		9.2.1.62A		–	
>Binding ID	O		9.2.1.4	Shall be ignored if bearer establishment with ALCAP.	YES	ignore
>Transport Layer Address	O		9.2.1.63	Shall be ignored if bearer establishment with ALCAP.	YES	ignore
>TNL QoS	O		9.2.1.58A		YES	ignore
USCH To Add	O		USCH Information 9.2.3.28		YES	reject
USCH To Delete		<i>0..<maxno ofUSCHs></i>			GLOBAL	reject
>USCH ID	M		9.2.3.27		–	
RL Information		<i>0..<maxno ofRLs></i>		See Note 1 below	YES	reject
>RL ID	M		9.2.1.53		–	
>Maximum Downlink Power	O		DL Power 9.2.1.21		–	
>Minimum Downlink Power	O		DL Power 9.2.1.21		–	
>Initial DL Transmission Power	O		DL Power 9.2.1.21		YES	ignore
>RL Specific DCH Information	O		9.2.1.53G		YES	ignore
>UL Synchronisation Parameters LCR		<i>0..1</i>		Mandatory for 1.28Mcps TDD. Not Applicable to 3.84Mcps TDD.	YES	ignore
>>Uplink Synchronisation Step Size	M		9.2.3.26H		–	
>>Uplink Synchronisation Frequency	M		9.2.3.26G		–	
>DL Time Slot ISCP Info LCR	O		9.2.3.4P	Applicable to 1.28Mcps TDD only	YES	ignore
Signalling Bearer Request Indicator	O		9.2.1.55A		YES	reject
HS-DSCH Information	O		HS-DSCH TDD Information 9.2.3.5F		YES	reject
HS-DSCH Information To	O		9.2.1.31H		YES	reject

Modify						
HS-DSCH MAC-d Flows To Add	O		HS-DSCH MAC-d Flows Information 9.2.1.31IA		YES	reject
HS-DSCH MAC-d Flows To Delete	O		9.2.1.31IB		YES	reject
HS-DSCH-RNTI	C-HSDSCH RadioLink		9.2.1.31J		YES	reject
HS-PDSCH RL ID	O		RL ID 9.2.1.53		YES	reject
PDSCH-RL-ID	O		RL ID 9.2.1.53		YES	ignore

Note 1: This information element is a simplified representation of the ASN.1. Repetition 1 and repetition 2 through *maxnoofRLs* are represented by separate ASN.1 structures with different criticalities.

Condition	Explanation
HSDSCHRadio Link	The IE shall be present if <i>HS-PDSCH RL ID</i> IE is present.

Range Bound	Explanation
<i>maxnoofDCHs</i>	Maximum number of DCHs for a UE
<i>maxnoofCCTrCHs</i>	Maximum number of CCTrCHs for a UE
<i>maxnoofDPCHs</i>	Maximum number of DPCHs in one CCTrCH for 3.84Mcps TDD
<i>maxnoofDPCHsLCR</i>	Maximum number of DPCHs in one CCTrCH for 1.28Mcps TDD
<i>maxnoofDSCHs</i>	Maximum number of DSCHs for one UE
<i>maxnoofUSCHs</i>	Maximum number of USCHs for one UE
<i>maxnoofDLts</i>	Maximum number of Downlink time slots per Radio Link for 3.84Mcps TDD
<i>maxnoofDLtsLCR</i>	Maximum number of Downlink time slots per Radio Link for 1.28Mcps TDD
<i>maxnoofULts</i>	Maximum number of Uplink time slots per Radio Link for 3.84Mcps TDD
<i>maxnoofULtsLCR</i>	Maximum number of Uplink time slots per Radio Link for 1.28Mcps TDD
<i>maxnoofRLs</i>	Maximum number of RLs for one UE


```

-- *****
--
-- RADIO LINK RECONFIGURATION PREPARE TDD
--
-- *****

RadioLinkReconfigurationPrepareTDD ::= SEQUENCE {
    protocolIEs          ProtocolIE-Container    {{RadioLinkReconfigurationPrepareTDD-IEs}},
    protocolExtensions   ProtocolExtensionContainer {{RadioLinkReconfigurationPrepareTDD-Extensions}}          OPTIONAL,
    ...
}

RadioLinkReconfigurationPrepareTDD-IEs NBAP-PROTOCOL-IES ::= {
    { ID id-NodeB-CommunicationContextID          CRITICALITY reject TYPE NodeB-CommunicationContextID          PRESENCE mandatory }|
    { ID id-UL-CCTrCH-InformationAddList-RL-ReconfPrepTDD          CRITICALITY reject TYPE UL-CCTrCH-InformationAddList-RL-ReconfPrepTDD          PRESENCE optional }|
    { ID id-UL-CCTrCH-InformationModifyList-RL-ReconfPrepTDD          CRITICALITY reject TYPE UL-CCTrCH-InformationModifyList-RL-ReconfPrepTDD          PRESENCE optional }|
    { ID id-UL-CCTrCH-InformationDeleteList-RL-ReconfPrepTDD          CRITICALITY reject TYPE UL-CCTrCH-InformationDeleteList-RL-ReconfPrepTDD          PRESENCE optional }|
    { ID id-DL-CCTrCH-InformationAddList-RL-ReconfPrepTDD          CRITICALITY reject TYPE DL-CCTrCH-InformationAddList-RL-ReconfPrepTDD          PRESENCE optional }|
    { ID id-DL-CCTrCH-InformationModifyList-RL-ReconfPrepTDD          CRITICALITY reject TYPE DL-CCTrCH-InformationModifyList-RL-ReconfPrepTDD          PRESENCE optional }|
    { ID id-DL-CCTrCH-InformationDeleteList-RL-ReconfPrepTDD          CRITICALITY reject TYPE DL-CCTrCH-InformationDeleteList-RL-ReconfPrepTDD          PRESENCE optional }|
    { ID id-TDD-DCHs-to-Modify          CRITICALITY reject TYPE TDD-DCHs-to-Modify          PRESENCE optional }|
    { ID id-DCHs-to-Add-TDD          CRITICALITY reject TYPE DCH-TDD-Information          PRESENCE optional }|
    { ID id-DCH-DeleteList-RL-ReconfPrepTDD          CRITICALITY reject TYPE DCH-DeleteList-RL-ReconfPrepTDD          PRESENCE optional }|
    { ID id-DSCH-Information-ModifyList-RL-ReconfPrepTDD          CRITICALITY reject TYPE DSCH-Information-ModifyList-RL-ReconfPrepTDD          PRESENCE optional }|
    { ID id-DSCHs-to-Add-TDD          CRITICALITY reject TYPE DSCH-TDD-Information          PRESENCE optional }|
    { ID id-DSCH-Information-DeleteList-RL-ReconfPrepTDD          CRITICALITY reject TYPE DSCH-Information-DeleteList-RL-ReconfPrepTDD          PRESENCE optional }|
    { ID id-USCH-Information-ModifyList-RL-ReconfPrepTDD          CRITICALITY reject TYPE USCH-Information-ModifyList-RL-ReconfPrepTDD          PRESENCE optional }|
    { ID id-USCH-Information-Add          CRITICALITY reject TYPE USCH-Information          PRESENCE optional }|
    { ID id-USCH-Information-DeleteList-RL-ReconfPrepTDD          CRITICALITY reject TYPE USCH-Information-DeleteList-RL-ReconfPrepTDD          PRESENCE optional }|
    { ID id-RL-Information-RL-ReconfPrepTDD          CRITICALITY reject TYPE RL-Information-RL-ReconfPrepTDD          PRESENCE optional },
-- This RL Information is the for the 1st RL IE repetition
    ...
}

RadioLinkReconfigurationPrepareTDD-Extensions NBAP-PROTOCOL-EXTENSION ::= {
    { ID id-SignallingBearerRequestIndicator          CRITICALITY reject EXTENSION SignallingBearerRequestIndicator          PRESENCE optional }|
    { ID id-HSDSCH-TDD-Information          CRITICALITY reject EXTENSION HSDSCH-TDD-Information          PRESENCE optional }|
    { ID id-HSDSCH-Information-to-Modify          CRITICALITY reject EXTENSION HSDSCH-Information-to-Modify          PRESENCE optional }|
    { ID id-HSDSCH-MACdFlows-to-Add          CRITICALITY reject EXTENSION HSDSCH-MACdFlows-Information          PRESENCE optional }|
    { ID id-HSDSCH-MACdFlows-to-Delete          CRITICALITY reject EXTENSION HSDSCH-MACdFlows-to-Delete          PRESENCE optional }|
    { ID id-HSDSCH-RNTI          CRITICALITY reject EXTENSION HSDSCH-RNTI          PRESENCE conditional }|
-- The IE shall be present if HS-PDSCH RL ID IE is present.
    { ID id-HSPDSCH-RL-ID          CRITICALITY reject EXTENSION RL-ID          PRESENCE optional }|
}

```

```

    { ID id-PDSCH-RL-ID CRITICALITY ignore EXTENSION RL-ID PRESENCE optional }|
    { ID id-RL-Information-RL-ReconfPrepTDD CRITICALITY reject EXTENSION MultipleRL-Information-RL-ReconfPrepTDD PRESENCE optional },
-- This RL Information is the for the 2nd and beyond repetition of RL information,
    ...
}

UL-CCTrCH-InformationAddList-RL-ReconfPrepTDD ::= SEQUENCE (SIZE (1..maxNrOfCCTrCHs)) OF UL-CCTrCH-InformationAddItem-RL-ReconfPrepTDD

UL-CCTrCH-InformationAddItem-RL-ReconfPrepTDD ::= SEQUENCE {
    cCTrCH-ID CCTrCH-ID,
    tFCS TFCS,
    tFCI-Coding TFCI-Coding,
    punctureLimit PunctureLimit,
    ul-DPCH-InformationList UL-DPCH-InformationAddList-RL-ReconfPrepTDD OPTIONAL,
-- This DPCH Information is the for the first RL repetition, DPCH information for RL repetitions 2 and on, should be defined in MultipleRL-UL-DPCH-
InformationAddList-RL-ReconfPrepTDD
    iE-Extensions ProtocolExtensionContainer { { UL-CCTrCH-InformationAddItem-RL-ReconfPrepTDD-ExtIEs } } OPTIONAL,
    ...
}

UL-CCTrCH-InformationAddItem-RL-ReconfPrepTDD-ExtIEs NBAP-PROTOCOL-EXTENSION ::= {
    { ID id-UL-DPCH-LCR-InformationAddListIE-RL-ReconfPrepTDD CRITICALITY reject EXTENSION UL-DPCH-LCR-InformationAddList-RL-ReconfPrepTDD
    PRESENCE optional }| -- Applicable to 1.28Mcps TDD only
-- This DPCH Information is the for the first RL repetition, DPCH information for RL repetitions 2 and on, should be defined in MultipleRL-UL-DPCH-
InformationAddList-RL-ReconfPrepTDD
    { ID id-UL-SIRTarget CRITICALITY reject EXTENSION UL-SIR PRESENCE optional }|
-- Mandatory for 1.28Mcps TDD, Not Applicable to 3.84Mcps TDD.
-- This Information is the for the first RL repetition, SIR Target information for RL repetitions 2 and on, should be defined in MultipleRL-UL-DPCH-
InformationAddList-RL-ReconfPrepTDD
    { ID id-TDD-TPC-UplinkStepSize-InformationAdd-LCR-RL-ReconfPrepTDD CRITICALITY reject EXTENSION TDD-TPC-UplinkStepSize-LCR PRESENCE optional
    }|
-- This Information is the for the first RL repetition, TPC information for RL repetitions 2 and on, should be defined in MultipleRL-UL-DPCH-
InformationAddList-RL-ReconfPrepTDD
    -- Mandatory for 1.28Mcps TDD, Not Applicable to 3.84Mcps TDD.
    { ID id-RL-ID CRITICALITY ignore EXTENSION RL-ID PRESENCE mandatory optional }|
-- This is the RL ID for the first RL repetition
    { ID id-multipleRL-ul-DPCH-InformationList CRITICALITY reject EXTENSION MultipleRL-UL-DPCH-InformationAddList-RL-ReconfPrepTDD
    PRESENCE optional },
-- This Information is the for the 2nd and beyond RL repetition,
    ...
}

MultipleRL-UL-DPCH-InformationAddList-RL-ReconfPrepTDD ::= SEQUENCE (SIZE (1..maxNrOfRLs-1)) OF MultipleRL-UL-DPCH-InformationAddListIE-RL-
ReconfPrepTDD
--Includes the 2nd through the max number of radio link repetitions.

MultipleRL-UL-DPCH-InformationAddListIE-RL-ReconfPrepTDD ::= SEQUENCE {
    ul-DPCH-InformationList UL-DPCH-InformationAddList-RL-ReconfPrepTDD OPTIONAL,
    ul-DPCH-InformationListLCR UL-DPCH-LCR-InformationAddList-RL-ReconfPrepTDD OPTIONAL,
    ul-sir-target UL-SIR OPTIONAL,
    -- Mandatory for 1.28Mcps TDD, Not Applicable to 3.84Mcps TDD.
    tDD-TPC-UplinkStepSize-LCR TDD-TPC-UplinkStepSize-LCR OPTIONAL,
    -- Mandatory for 1.28Mcps TDD, Not Applicable to 3.84Mcps TDD.

```

```

    rL-ID                                RL-ID                                OPTIONAL,
    iE-Extensions                          ProtocolExtensionContainer { { MultipleRL-UL-DPCH-InformationAddListIE-RL-ReconfPrepTDD-ExtIEs } }
    OPTIONAL,
    ...
}

MultipleRL-UL-DPCH-InformationAddListIE-RL-ReconfPrepTDD-ExtIEs NBAP-PROTOCOL-EXTENSION ::= {
    ...
}

UL-DPCH-InformationAddList-RL-ReconfPrepTDD ::= ProtocolIE-Single-Container { { UL-DPCH-InformationAddListIEs-RL-ReconfPrepTDD } }

UL-DPCH-InformationAddListIEs-RL-ReconfPrepTDD NBAP-PROTOCOL-IES ::= {
    { ID id-UL-DPCH-InformationAddListIE-RL-ReconfPrepTDD    CRITICALITY reject          TYPE UL-DPCH-InformationAddItem-RL-ReconfPrepTDD    PRESENCE
mandatory }
}

UL-DPCH-InformationAddItem-RL-ReconfPrepTDD ::= SEQUENCE {
    repetitionPeriod          RepetitionPeriod,
    repetitionLength          RepetitionLength,
    tdd-DPCHOffset            TDD-DPCHOffset,
    uL-Timeslot-Information    UL-Timeslot-Information,
    iE-Extensions              ProtocolExtensionContainer { { UL-DPCH-InformationAddItem-RL-ReconfPrepTDD-ExtIEs } }    OPTIONAL,
    ...
}

UL-DPCH-InformationAddItem-RL-ReconfPrepTDD-ExtIEs NBAP-PROTOCOL-EXTENSION ::= {
    ...
}

UL-DPCH-LCR-InformationAddList-RL-ReconfPrepTDD ::= SEQUENCE {
    repetitionPeriod          RepetitionPeriod,
    repetitionLength          RepetitionLength,
    tdd-DPCHOffset            TDD-DPCHOffset,
    uL-Timeslot-InformationLCR UL-TimeslotLCR-Information,
    iE-Extensions              ProtocolExtensionContainer { { UL-DPCH-LCR-InformationAddItem-RL-ReconfPrepTDD-ExtIEs } }    OPTIONAL,
    ...
}

UL-DPCH-LCR-InformationAddItem-RL-ReconfPrepTDD-ExtIEs NBAP-PROTOCOL-EXTENSION ::= {
    ...
}

UL-CCTrCH-InformationModifyList-RL-ReconfPrepTDD ::= SEQUENCE (SIZE (1..maxNrOfCCTrCHs)) OF UL-CCTrCH-InformationModifyItem-RL-ReconfPrepTDD

UL-CCTrCH-InformationModifyItem-RL-ReconfPrepTDD ::= SEQUENCE {
    cCTrCH-ID                  CCTrCH-ID,
    tFCS                        TFCS                                OPTIONAL,
    tFCI-Coding                 TFCI-Coding                       OPTIONAL,
    punctureLimit               PunctureLimit                       OPTIONAL,
    ul-DPCH-InformationAddList    UL-DPCH-InformationModify-AddList-RL-ReconfPrepTDD    OPTIONAL,
}

```

```

-- This DPCH Information is the for the first RL repetition, DPCH information for RL repetitions 2 and on, should be defined in MultipleRL-UL-DPCH-
InformationModifyList-RL-ReconfPrepTDD
  ul-DPCH-InformationModifyList          UL-DPCH-InformationModify-ModifyList-RL-ReconfPrepTDD          OPTIONAL,
-- This DPCH Information is the for the first RL repetition, DPCH information for RL repetitions 2 and on, should be defined in MultipleRL-UL-DPCH-
InformationModifyList-RL-ReconfPrepTDD
  ul-DPCH-InformationDeleteList         UL-DPCH-InformationModify-DeleteList-RL-ReconfPrepTDD          OPTIONAL,
-- This DPCH Information is the for the first RL repetition, DPCH information for RL repetitions 2 and on, should be defined in MultipleRL-UL-DPCH-
InformationModifyList-RL-ReconfPrepTDD
  iE-Extensions                         ProtocolExtensionContainer { { UL-CCTrCH-InformationModifyItem-RL-ReconfPrepTDD-ExtIEs} }
  OPTIONAL,
  ...
}

UL-CCTrCH-InformationModifyItem-RL-ReconfPrepTDD-ExtIEs NBAP-PROTOCOL-EXTENSION ::= {
  { ID id-UL-DPCH-LCR-InformationModify-AddList  CRITICALITY reject      EXTENSION      UL-DPCH-LCR-InformationModify-AddList-RL-ReconfPrepTDD
  PRESENCE optional }| -- Applicable to 1.28Mcps TDD only
-- This DPCH Information is the for the first RL repetition, DPCH information for RL repetitions 2 and on, should be defined in MultipleRL-UL-DPCH-
InformationModifyList-RL-ReconfPrepTDD
  { ID id-UL-SIRTarget      CRITICALITY reject      EXTENSION      UL-SIR      PRESENCE optional      }|
  -- Applicable to 1.28Mcps TDD only.
-- This Information is the for the first RL repetition, SIR Target information for RL repetitions 2 and on, should be defined in MultipleRL-UL-DPCH-
InformationModifyList-RL-ReconfPrepTDD
  { ID id-TDD-TPC-UplinkStepSize-InformationModify-LCR-RL-ReconfPrepTDD      CRITICALITY reject      EXTENSION      TDD-TPC-UplinkStepSize-LCR
  PRESENCE optional }|
  -- Applicable to 1.28Mcps TDD only
-- This Information is the for the first RL repetition, Step Size information for RL repetitions 2 and on, should be defined in MultipleRL-UL-DPCH-
InformationModifyList-RL-ReconfPrepTDD
  { ID id-RL-ID      CRITICALITY ignore      EXTENSION      RL-ID      PRESENCE optionalmandatory }|
-- This is the RL ID for the first RL repetition
  { ID id-multipleRL-ul-DPCH-InformationModifyList      CRITICALITY reject      EXTENSION      MultipleRL-UL-DPCH-InformationModifyList-RL-
ReconfPrepTDD      PRESENCE optional },
-- This DPCH Information is the for the 2nd and beyond RL repetition,
  ...
}

UL-DPCH-InformationModify-AddList-RL-ReconfPrepTDD ::= ProtocolIE-Single-Container {{ UL-DPCH-InformationModify-AddListIEs-RL-ReconfPrepTDD }}

UL-DPCH-InformationModify-AddListIEs-RL-ReconfPrepTDD NBAP-PROTOCOL-IES ::= {
  { ID id-UL-DPCH-InformationModify-AddListIE-RL-ReconfPrepTDD      CRITICALITY reject      TYPE UL-DPCH-InformationModify-AddItem-RL-ReconfPrepTDD
  PRESENCE mandatory }
}

MultipleRL-UL-DPCH-InformationModifyList-RL-ReconfPrepTDD ::= SEQUENCE (SIZE (1..maxNrOfRLs-1)) OF MultipleRL-UL-DPCH-InformationModifyListIE-RL-
ReconfPrepTDD
--Includes the 2nd through the max number of radio link information repetitions.

MultipleRL-UL-DPCH-InformationModifyListIE-RL-ReconfPrepTDD ::= SEQUENCE {
  ul-DPCH-InformationAddList          UL-DPCH-InformationModify-AddList-RL-ReconfPrepTDD          OPTIONAL,
  ul-DPCH-InformationModifyList       UL-DPCH-InformationModify-ModifyList-RL-ReconfPrepTDD       OPTIONAL,
  ul-DPCH-InformationDeleteList       UL-DPCH-InformationModify-DeleteList-RL-ReconfPrepTDD       OPTIONAL,
  ul-DPCH-InformationAddListLCR       UL-DPCH-LCR-InformationModify-AddList-RL-ReconfPrepTDD       OPTIONAL,
  ul-sir-target                       UL-SIR          OPTIONAL,
  tDD-TPC-UplinkStepSize-LCR         TDD-TPC-UplinkStepSize-LCR  OPTIONAL,
}

```

```

    rL-ID                               RL-ID OPTIONAL,
-- This DPCH Information is the for the 2nd and beyond RL repetitions,
iE-Extensions                         ProtocolExtensionContainer { { MultipleRL-UL-DPCH-InformationModifyListIE-RL-ReconfPrepTDD-ExtIEs } }
    OPTIONAL,
    ...
}

MultipleRL-UL-DPCH-InformationModifyListIE-RL-ReconfPrepTDD-ExtIEs NBAP-PROTOCOL-EXTENSION ::= {
    ...
}

UL-DPCH-InformationModify-AddItem-RL-ReconfPrepTDD ::= SEQUENCE {
    repetitionPeriod                    RepetitionPeriod,
    repetitionLength                    RepetitionLength,
    tdd-DPCHOffset                      TDD-DPCHOffset,
    uL-Timeslot-Information             UL-Timeslot-Information,
    iE-Extensions                       ProtocolExtensionContainer { { UL-DPCH-InformationModify-AddItem-RL-ReconfPrepTDD-ExtIEs } }    OPTIONAL,
    ...
}

UL-DPCH-InformationModify-AddItem-RL-ReconfPrepTDD-ExtIEs NBAP-PROTOCOL-EXTENSION ::= {
    ...
}

UL-DPCH-LCR-InformationModify-AddList-RL-ReconfPrepTDD ::= SEQUENCE {
    repetitionPeriod                    RepetitionPeriod,
    repetitionLength                    RepetitionLength,
    tdd-DPCHOffset                      TDD-DPCHOffset,
    uL-Timeslot-InformationLCR          UL-TimeslotLCR-Information,
    iE-Extensions                       ProtocolExtensionContainer { { UL-DPCH-LCR-InformationModify-AddItem-RL-ReconfPrepTDD-ExtIEs } }
    OPTIONAL,
    ...
}

UL-DPCH-LCR-InformationModify-AddItem-RL-ReconfPrepTDD-ExtIEs NBAP-PROTOCOL-EXTENSION ::= {
    ...
}

UL-DPCH-InformationModify-ModifyList-RL-ReconfPrepTDD ::= ProtocolIE-Single-Container { { UL-DPCH-InformationModify-ModifyListIEs-RL-ReconfPrepTDD } }

UL-DPCH-InformationModify-ModifyListIEs-RL-ReconfPrepTDD NBAP-PROTOCOL-IES ::= {
    { ID id-UL-DPCH-InformationModify-ModifyListIE-RL-ReconfPrepTDD    CRITICALITY reject          TYPE UL-DPCH-InformationModify-ModifyItem-RL-
ReconfPrepTDD                PRESENCE mandatory }
}

UL-DPCH-InformationModify-ModifyItem-RL-ReconfPrepTDD ::= SEQUENCE {
    repetitionPeriod                    RepetitionPeriod    OPTIONAL,
    repetitionLength                    RepetitionLength    OPTIONAL,
    tdd-DPCHOffset                      TDD-DPCHOffset    OPTIONAL,
    uL-Timeslot-InformationModify-ModifyList-RL-ReconfPrepTDD          UL-Timeslot-InformationModify-ModifyList-RL-ReconfPrepTDD    OPTIONAL,
    iE-Extensions                       ProtocolExtensionContainer { { UL-DPCH-InformationModify-ModifyItem-RL-ReconfPrepTDD-ExtIEs } }
    OPTIONAL,
    ...
}

```

```

}

UL-DPCH-InformationModify-ModifyItem-RL-ReconfPrepTDD-ExtIEs NBAP-PROTOCOL-EXTENSION ::= {
  { ID id-UL-TimeslotLCR-Information-RL-ReconfPrepTDD      CRITICALITY reject      EXTENSION  UL-TimeslotLCR-InformationModify-ModifyList-RL-
  ReconfPrepTDD      PRESENCE optional },      -- Applicable to 1.28Mcps TDD only
  ...
}

UL-Timeslot-InformationModify-ModifyList-RL-ReconfPrepTDD ::= SEQUENCE (SIZE (1..maxNrOfULTSs)) OF UL-Timeslot-InformationModify-ModifyItem-RL-
ReconfPrepTDD -- Applicable to 3.84Mcps TDD only

UL-Timeslot-InformationModify-ModifyItem-RL-ReconfPrepTDD ::= SEQUENCE {
  timeSlot                TimeSlot,
  midambleShiftAndBurstType MidambleShiftAndBurstType      OPTIONAL,
  tFCI-Presence            TFCI-Presence      OPTIONAL,
  uL-Code-InformationModify-ModifyList-RL-ReconfPrepTDD UL-Code-InformationModify-ModifyList-RL-ReconfPrepTDD      OPTIONAL,
  iE-Extensions            ProtocolExtensionContainer { { UL-Timeslot-InformationModify-ModifyItem-RL-ReconfPrepTDD-ExtIEs} }
  OPTIONAL,
  ...
}

UL-Timeslot-InformationModify-ModifyItem-RL-ReconfPrepTDD-ExtIEs NBAP-PROTOCOL-EXTENSION ::= {
  ...
}

UL-Code-InformationModify-ModifyList-RL-ReconfPrepTDD ::= SEQUENCE (SIZE (1..maxNrOfDPCHs)) OF UL-Code-InformationModify-ModifyItem-RL-ReconfPrepTDD

UL-Code-InformationModify-ModifyItem-RL-ReconfPrepTDD ::= SEQUENCE {
  dPCH-ID                DPCH-ID,
  tdd-ChannelisationCode TDD-ChannelisationCode      OPTIONAL,
  iE-Extensions            ProtocolExtensionContainer { { UL-Code-InformationModify-ModifyItem-RL-ReconfPrepTDD-ExtIEs} }
  OPTIONAL,
  ...
}

UL-Code-InformationModify-ModifyItem-RL-ReconfPrepTDD-ExtIEs NBAP-PROTOCOL-EXTENSION ::= {
  ...
}

UL-TimeslotLCR-InformationModify-ModifyList-RL-ReconfPrepTDD ::= SEQUENCE (SIZE (1..maxNrOfULTSLCRs)) OF UL-Timeslot-LCR-InformationModify-
ModifyItem-RL-ReconfPrepTDD -- Applicable to 1.28Mcps TDD only

UL-Timeslot-LCR-InformationModify-ModifyItem-RL-ReconfPrepTDD ::= SEQUENCE {
  timeSlotLCR                TimeSlotLCR,
  midambleShiftLCR            MidambleShiftLCR      OPTIONAL,
  tFCI-Presence            TFCI-Presence      OPTIONAL,
  uL-Code-InformationModify-ModifyList-RL-ReconfPrepTDDLcr UL-Code-InformationModify-ModifyList-RL-ReconfPrepTDDLcr      OPTIONAL,
  iE-Extensions            ProtocolExtensionContainer { { UL-Timeslot-LCR-InformationModify-ModifyItem-RL-ReconfPrepTDD-ExtIEs} }
  OPTIONAL,
  ...
}

UL-Timeslot-LCR-InformationModify-ModifyItem-RL-ReconfPrepTDD-ExtIEs NBAP-PROTOCOL-EXTENSION ::= {

```

```

}
...
}
UL-Code-InformationModify-ModifyList-RL-ReconfPrepTDDLRCR ::= SEQUENCE (SIZE (1..maxNrOfDPCHLCRs)) OF UL-Code-InformationModify-ModifyItem-RL-
ReconfPrepTDDLRCR
UL-Code-InformationModify-ModifyItem-RL-ReconfPrepTDDLRCR ::= SEQUENCE {
    dPCH-ID                DPCH-ID,
    tdd-ChannelisationCodeLCR    TDD-ChannelisationCodeLCR    OPTIONAL,
    iE-Extensions            ProtocolExtensionContainer { { UL-Code-InformationModify-ModifyItem-RL-ReconfPrepTDDLRCR-ExtIEs } }
    OPTIONAL,
    ...
}
UL-Code-InformationModify-ModifyItem-RL-ReconfPrepTDDLRCR-ExtIEs NBAP-PROTOCOL-EXTENSION ::= {
    { ID id-UL-DPCH-TimeSlotFormat-LCR-ModifyItem-RL-ReconfPrepTDD    CRITICALITY reject    EXTENSION TDD-UL-DPCH-TimeSlotFormat-LCR    PRESENCE
optional},
    ...
}
UL-DPCH-InformationModify-DeleteList-RL-ReconfPrepTDD ::= ProtocolIE-Single-Container { { UL-DPCH-InformationModify-DeleteListIEs-RL-ReconfPrepTDD } }
UL-DPCH-InformationModify-DeleteListIEs-RL-ReconfPrepTDD NBAP-PROTOCOL-IES ::= {
    { ID id-UL-DPCH-InformationModify-DeleteListIE-RL-ReconfPrepTDD    CRITICALITY reject    TYPE UL-DPCH-InformationModify-DeleteListIE-RL-
ReconfPrepTDD    PRESENCE mandatory }
}
UL-DPCH-InformationModify-DeleteListIE-RL-ReconfPrepTDD ::= SEQUENCE (SIZE (1..maxNrOfDPCHs)) OF UL-DPCH-InformationModify-DeleteItem-RL-
ReconfPrepTDD
UL-DPCH-InformationModify-DeleteItem-RL-ReconfPrepTDD ::= SEQUENCE {
    dPCH-ID                DPCH-ID,
    iE-Extensions            ProtocolExtensionContainer { { UL-DPCH-InformationModify-DeleteItem-RL-ReconfPrepTDD-ExtIEs } }
    OPTIONAL,
    ...
}
UL-DPCH-InformationModify-DeleteItem-RL-ReconfPrepTDD-ExtIEs NBAP-PROTOCOL-EXTENSION ::= {
    ...
}
UL-CCTrCH-InformationDeleteList-RL-ReconfPrepTDD ::= SEQUENCE (SIZE (1..maxNrOfCCTrCHs)) OF UL-CCTrCH-InformationDeleteItem-RL-ReconfPrepTDD
UL-CCTrCH-InformationDeleteItem-RL-ReconfPrepTDD ::= SEQUENCE {
    cCTrCH-ID                CCTrCH-ID,
    iE-Extensions            ProtocolExtensionContainer { { UL-CCTrCH-InformationDeleteItem-RL-ReconfPrepTDD-ExtIEs } }
    OPTIONAL,
    ...
}
UL-CCTrCH-InformationDeleteItem-RL-ReconfPrepTDD-ExtIEs NBAP-PROTOCOL-EXTENSION ::= {
    ...
}

```

```

}

DL-CCTrCH-InformationAddList-RL-ReconfPrepTDD ::= SEQUENCE (SIZE (1..maxNrOfCCTrCHs)) OF DL-CCTrCH-InformationAddItem-RL-ReconfPrepTDD

DL-CCTrCH-InformationAddItem-RL-ReconfPrepTDD ::= SEQUENCE {
    cCTrCH-ID                CCTrCH-ID,
    tFCS                      TFCS,
    tFCI-Coding              TFCI-Coding,
    punctureLimit            PunctureLimit,
    cCTrCH-TPCList           CCTrCH-TPCAddList-RL-ReconfPrepTDD                OPTIONAL,
    dl-DPCH-InformationList  DL-DPCH-InformationAddList-RL-ReconfPrepTDD        OPTIONAL,
    -- This DPCH Information is the for the first RL repetition, DPCH information for RL repetitions 2 and on, should be defined in MultipleRL-DL-DPCH-
InformationAddList-RL-ReconfPrepTDD
    iE-Extensions           ProtocolExtensionContainer { { DL-CCTrCH-InformationAddItem-RL-ReconfPrepTDD-ExtIEs} }
    OPTIONAL,
    ...
}

DL-CCTrCH-InformationAddItem-RL-ReconfPrepTDD-ExtIEs NBAP-PROTOCOL-EXTENSION ::= {
    { ID id-DL-DPCH-LCR-InformationAddList-RL-ReconfPrepTDD                CRITICALITY reject EXTENSION DL-DPCH-LCR-InformationAddList-RL-
ReconfPrepTDD                PRESENCE optional }} -- Applicable to 1.28Mcps TDD only
    -- This DPCH Information is the for the first RL repetition, DPCH information for RL repetitions 2 and on, should be defined in MultipleRL-DL-DPCH-
InformationAddList-RL-ReconfPrepTDD
    { ID id-CCTrCH-Initial-DL-Power-RL-ReconfPrepTDD                    CRITICALITY ignore EXTENSION DL-Power                PRESENCE optional }}
    -- This DL Power information is the for the first RL repetition, DL power information for RL repetitions 2 and on, should be defined in MultipleRL-
DL-DPCH-InformationAddList-RL-ReconfPrepTDD
    { ID id-TDD-TPC-DownlinkStepSize-InformationAdd-RL-ReconfPrepTDD    CRITICALITY reject EXTENSION TDD-TPC-DownlinkStepSize PRESENCE optional }}
    -- This DL step size is the for the first RL repetition, DL step size information for RL repetitions 2 and on, should be defined in MultipleRL-DL-
DPCH-InformationAddList-RL-ReconfPrepTDD
    { ID id-CCTrCH-Maximum-DL-Power-InformationAdd-RL-ReconfPrepTDD    CRITICALITY ignore EXTENSION DL-Power                PRESENCE optional }}
    -- This DL Power information is the for the first RL repetition, DL power information for RL repetitions 2 and on, should be defined in MultipleRL-
DL-DPCH-InformationAddList-RL-ReconfPrepTDD
    { ID id-CCTrCH-Minimum-DL-Power-InformationAdd-RL-ReconfPrepTDD    CRITICALITY ignore EXTENSION DL-Power                PRESENCE optional }}
    -- This DL Power information is the for the first RL repetition, DL power information for RL repetitions 2 and on, should be defined in MultipleRL-
DL-DPCH-InformationAddList-RL-ReconfPrepTDD
    { ID id-RL-ID                CRITICALITY ignore EXTENSION RL-ID                PRESENCE mandatoryoptional }}
    -- This is the RL ID for the first RL repetition
    { ID id-multipleRL-ul-DPCH-InformationList                CRITICALITY reject EXTENSION MultipleRL-DL-DPCH-InformationAddList-RL-
ReconfPrepTDD                PRESENCE optional },
    -- This DPCH Information is the for the 2nd and beyond RL repetition,
    ...
}

MultipleRL-DL-DPCH-InformationAddList-RL-ReconfPrepTDD ::= SEQUENCE (SIZE (1..maxNrOfRLs-1)) OF MultipleRL-DL-DPCH-InformationAddListIE-RL-
ReconfPrepTDD
--Includes the 2nd through the max number of radio link information repetitions.

MultipleRL-DL-DPCH-InformationAddListIE-RL-ReconfPrepTDD ::= SEQUENCE {
    dl-DPCH-InformationList                DL-DPCH-InformationAddList-RL-ReconfPrepTDD                OPTIONAL,
    dl-DPCH-InformationListLCR            DL-DPCH-LCR-InformationAddList-RL-ReconfPrepTDD        OPTIONAL,
    cCTrCH-Initial-DL-Power                DL-Power                OPTIONAL,
    tDD-TPC-DownlinkStepSize              TDD-TPC-DownlinkStepSize              OPTIONAL,
    cCTrCH-Maximum-DL-Power-InformationAdd-RL-ReconfPrepTDD            DL-Power                OPTIONAL,
}

```



```

cCtRCH-Minimum-DL-Power-InformationAdd-RL-ReconfPrepTDD    DL-Power                OPTIONAL,
rL-ID                                                       RL-ID OPTIONAL,
iE-Extensions                                             ProtocolExtensionContainer { { MultipleRL-DL-DPCH-InformationAddListIE-RL-ReconfPrepTDD-ExtIEs } }
OPTIONAL,
...
}

MultipleRL-DL-DPCH-InformationAddListIE-RL-ReconfPrepTDD-ExtIEs NBAP-PROTOCOL-EXTENSION ::= {
...
}

CCTrCH-TPCAddList-RL-ReconfPrepTDD ::= SEQUENCE (SIZE (1..maxNrOfCCTrCHs)) OF CCTrCH-TPCAddItem-RL-ReconfPrepTDD -- Applicable to 3.84Mcps TDD
only

CCTrCH-TPCAddItem-RL-ReconfPrepTDD ::= SEQUENCE {
    cCtRCH-ID                CCTrCH-ID,
    iE-Extensions            ProtocolExtensionContainer { { CCTrCH-TPCAddItem-RL-ReconfPrepTDD-ExtIEs } }    OPTIONAL,
    ...
}

CCTrCH-TPCAddItem-RL-ReconfPrepTDD-ExtIEs NBAP-PROTOCOL-EXTENSION ::= {
    ...
}

DL-DPCH-InformationAddList-RL-ReconfPrepTDD ::= ProtocolIE-Single-Container { { DL-DPCH-InformationAddListIEs-RL-ReconfPrepTDD } }

DL-DPCH-InformationAddListIEs-RL-ReconfPrepTDD NBAP-PROTOCOL-IES ::= {
    { ID id-DL-DPCH-InformationAddListIE-RL-ReconfPrepTDD    CRITICALITY reject    TYPE DL-DPCH-InformationAddItem-RL-ReconfPrepTDD    PRESENCE
mandatory }
}

DL-DPCH-InformationAddItem-RL-ReconfPrepTDD ::= SEQUENCE {
    repetitionPeriod        RepetitionPeriod,
    repetitionLength        RepetitionLength,
    tdd-DPCHOffset          TDD-DPCHOffset,
    dL-Timeslot-Information DL-Timeslot-Information,
    iE-Extensions            ProtocolExtensionContainer { { DL-DPCH-InformationAddItem-RL-ReconfPrepTDD-ExtIEs } }    OPTIONAL,
    ...
}

DL-DPCH-InformationAddItem-RL-ReconfPrepTDD-ExtIEs NBAP-PROTOCOL-EXTENSION ::= {
    ...
}

DL-DPCH-LCR-InformationAddList-RL-ReconfPrepTDD ::= SEQUENCE {
    repetitionPeriod        RepetitionPeriod,
    repetitionLength        RepetitionLength,
    tdd-DPCHOffset          TDD-DPCHOffset,
    dL-Timeslot-InformationCR LCR-Information,
    iE-Extensions            ProtocolExtensionContainer { { DL-DPCH-LCR-InformationAddItem-RL-ReconfPrepTDD-ExtIEs } }    OPTIONAL,
    ...
}

```

```

DL-DPCH-LCR-InformationAddItem-RL-ReconfPrepTDD-ExtIEs  NBAP-PROTOCOL-EXTENSION ::= {
    ...
}

DL-CCTrCH-InformationModifyList-RL-ReconfPrepTDD ::= SEQUENCE (SIZE (1..maxNrOfCCTrCHs)) OF DL-CCTrCH-InformationModifyItem-RL-ReconfPrepTDD

DL-CCTrCH-InformationModifyItem-RL-ReconfPrepTDD ::= SEQUENCE {
    cCTrCH-ID                CCTrCH-ID,
    tFCS                     TFCS                                OPTIONAL,
    tFCI-Coding              TFCI-Coding                        OPTIONAL,
    punctureLimit            PunctureLimit                    OPTIONAL,
    cCTrCH-TPCList           CCTrCH-TPCModifyList-RL-ReconfPrepTDD  OPTIONAL,
    dl-DPCH-InformationAddList  DL-DPCH-InformationModify-AddList-RL-ReconfPrepTDD  OPTIONAL,
    -- This DPCH Information is the for the first RL repetition, DPCH information for RL repetitions 2 and on, should be defined in MultipleRL-DL-DPCH-
    InformationModifyList-RL-ReconfPrepTDD
    dl-DPCH-InformationModifyList  DL-DPCH-InformationModify-ModifyList-RL-ReconfPrepTDD  OPTIONAL,
    -- This DPCH Information is the for the first RL repetition, DPCH information for RL repetitions 2 and on, should be defined in MultipleRL-DL-DPCH-
    InformationModifyList-RL-ReconfPrepTDD
    dl-DPCH-InformationDeleteList  DL-DPCH-InformationModify-DeleteList-RL-ReconfPrepTDD  OPTIONAL,
    -- This DPCH Information is the for the first RL repetition, DPCH information for RL repetitions 2 and on, should be defined in MultipleRL-DL-DPCH-
    InformationModifyList-RL-ReconfPrepTDD
    iE-Extensions              ProtocolExtensionContainer { { DL-CCTrCH-InformationModifyItem-RL-ReconfPrepTDD-ExtIEs } }
    OPTIONAL,
    ...
}

DL-CCTrCH-InformationModifyItem-RL-ReconfPrepTDD-ExtIEs  NBAP-PROTOCOL-EXTENSION ::= {
    { ID id-DL-DPCH-LCR-InformationModify-AddList-RL-ReconfPrepTDD CRITICALITY reject      EXTENSION          DL-DPCH-LCR-InformationModify-
    AddList-RL-ReconfPrepTDD      PRESENCE optional }| -- Applicable to 1.28Mcps TDD only
    -- This DPCH Information is the for the first RL repetition, DPCH information for RL repetitions 2 and on, should be defined in MultipleRL-DL-DPCH-
    InformationModifyList-RL-ReconfPrepTDD
    { ID id-TDD-TPC-DownlinkStepSize-InformationModify-RL-ReconfPrepTDD CRITICALITY reject  EXTENSION TDD-TPC-DownlinkStepSize PRESENCE optional }|
    -- This Step Size Information is the for the first RL repetition, step size information for RL repetitions 2 and on, should be defined in
    MultipleRL-DL-DPCH-InformationModifyList-RL-ReconfPrepTDD
    { ID id-CCTrCH-Maximum-DL-Power-InformationModify-RL-ReconfPrepTDD      CRITICALITY ignore  EXTENSION DL-Power      PRESENCE optional }|
    -- This power Information is the for the first RL repetition, power information for RL repetitions 2 and on, should be defined in MultipleRL-DL-
    DPCH-InformationModifyList-RL-ReconfPrepTDD
    { ID id-CCTrCH-Minimum-DL-Power-InformationModify-RL-ReconfPrepTDD      CRITICALITY ignore  EXTENSION DL-Power      PRESENCE optional }|
    -- This power Information is the for the first RL repetition, power information for RL repetitions 2 and on, should be defined in MultipleRL-DL-
    DPCH-InformationModifyList-RL-ReconfPrepTDD
    { ID id-RL-ID                CRITICALITY ignore      EXTENSION          RL-ID          PRESENCE mandatoryoptional }|
    -- This is the RL ID for the first RL repetition
    { ID id-multipleRL-dl-DPCH-InformationModifyList      CRITICALITY reject      EXTENSION          MultipleRL-DL-DPCH-InformationModifyList-RL-
    ReconfPrepTDD      PRESENCE optional },
    -- This DPCH Information is the for the 2nd and beyond RL repetitions,
    ...
}

MultipleRL-DL-DPCH-InformationModifyList-RL-ReconfPrepTDD ::= SEQUENCE (SIZE (1..maxNrOfRLs-1)) OF MultipleRL-DL-DPCH-InformationModifyListIE-RL-
ReconfPrepTDD
--Includes the 2nd through the max number of radio link information repetitions.

MultipleRL-DL-DPCH-InformationModifyListIE-RL-ReconfPrepTDD ::= SEQUENCE {

```

```

dl-DPCH-InformationAddList          DL-DPCH-InformationModify-AddList-RL-ReconfPrepTDD      OPTIONAL,
dl-DPCH-InformationModifyList       DL-DPCH-InformationModify-ModifyList-RL-ReconfPrepTDD   OPTIONAL,
dl-DPCH-InformationDeleteList       DL-DPCH-InformationModify-DeleteList-RL-ReconfPrepTDD  OPTIONAL,
dl-DPCH-InformationAddListLCR       DL-DPCH-LCR-InformationModify-AddList-RL-ReconfPrepTDD  OPTIONAL,
tDD-TPC-DownlinkStepSize-InformationModify-RL-ReconfPrepTDD  TDD-TPC-DownlinkStepSize                               OPTIONAL,
cCTrCH-Maximum-DL-Power-InformationModify-RL-ReconfPrepTDD  DL-Power                                                OPTIONAL,
cCTrCH-Minimum-DL-Power-InformationModify-RL-ReconfPrepTDD  DL-Power                                                OPTIONAL,
rL-ID                               RL-ID OPTIONAL,
iE-Extensions                     ProtocolExtensionContainer { { MultipleRL-DL-DPCH-InformationModifyListIE-RL-
ReconfPrepTDD-ExtIEs} } OPTIONAL,
...
}

MultipleRL-DL-DPCH-InformationModifyListIE-RL-ReconfPrepTDD-ExtIEs NBAP-PROTOCOL-EXTENSION ::= {
...
}

CCTrCH-TPCModifyList-RL-ReconfPrepTDD ::= SEQUENCE (SIZE (1..maxNrOfCCTrCHs)) OF CCTrCH-TPCModifyItem-RL-ReconfPrepTDD

CCTrCH-TPCModifyItem-RL-ReconfPrepTDD ::= SEQUENCE {
    cCTrCH-ID          CCTrCH-ID,
    iE-Extensions     ProtocolExtensionContainer { { CCTrCH-TPCModifyItem-RL-ReconfPrepTDD-ExtIEs} } OPTIONAL,
    ...
}

CCTrCH-TPCModifyItem-RL-ReconfPrepTDD-ExtIEs NBAP-PROTOCOL-EXTENSION ::= {
    ...
}

DL-DPCH-InformationModify-AddList-RL-ReconfPrepTDD ::= ProtocolIE-Single-Container {{ DL-DPCH-InformationModify-AddListIEs-RL-ReconfPrepTDD }}
-- Applicable to 3.84Mcps TDD only

DL-DPCH-InformationModify-AddListIEs-RL-ReconfPrepTDD NBAP-PROTOCOL-IES ::= {
    { ID id-DL-DPCH-InformationModify-AddListIE-RL-ReconfPrepTDD CRITICALITY reject          TYPE DL-DPCH-InformationModify-AddItem-RL-ReconfPrepTDD
    PRESENCE mandatory }
}

DL-DPCH-InformationModify-AddItem-RL-ReconfPrepTDD ::= SEQUENCE {
    repetitionPeriod      RepetitionPeriod,
    repetitionLength      RepetitionLength,
    tdd-DPCHOffset        TDD-DPCHOffset,
    dL-Timeslot-Information DL-Timeslot-Information,
    iE-Extensions         ProtocolExtensionContainer { { DL-DPCH-InformationModify-AddItem-RL-ReconfPrepTDD-ExtIEs} } OPTIONAL,
    ...
}

DL-DPCH-InformationModify-AddItem-RL-ReconfPrepTDD-ExtIEs NBAP-PROTOCOL-EXTENSION ::= {
    ...
}

DL-DPCH-LCR-InformationModify-AddList-RL-ReconfPrepTDD ::= SEQUENCE {
    repetitionPeriod      RepetitionPeriod,
    repetitionLength      RepetitionLength,

```

```

    tdd-DPCHOffset          TDD-DPCHOffset,
    dL-TimeslotLCR-Information  DL-TimeslotLCR-Information,
    iE-Extensions           ProtocolExtensionContainer { { DL-DPCH-LCR-InformationModify-AddItem-RL-ReconfPrepTDD-ExtIEs } }
    OPTIONAL,
    ...
}

DL-DPCH-LCR-InformationModify-AddItem-RL-ReconfPrepTDD-ExtIEs  NBAP-PROTOCOL-EXTENSION ::= {
    ...
}

DL-DPCH-InformationModify-ModifyList-RL-ReconfPrepTDD ::= ProtocolIE-Single-Container { { DL-DPCH-InformationModify-ModifyListIEs-RL-ReconfPrepTDD } }

DL-DPCH-InformationModify-ModifyListIEs-RL-ReconfPrepTDD NBAP-PROTOCOL-IES ::= {
    { ID id-DL-DPCH-InformationModify-ModifyListIE-RL-ReconfPrepTDD  CRITICALITY reject          TYPE DL-DPCH-InformationModify-ModifyItem-RL-
ReconfPrepTDD          PRESENCE mandatory }
}

DL-DPCH-InformationModify-ModifyItem-RL-ReconfPrepTDD ::= SEQUENCE {
    repetitionPeriod          RepetitionPeriod          OPTIONAL,
    repetitionLength          RepetitionLength          OPTIONAL,
    tdd-DPCHOffset            TDD-DPCHOffset            OPTIONAL,
    dL-Timeslot-InformationAddModify-ModifyList-RL-ReconfPrepTDD  DL-Timeslot-InformationModify-ModifyList-RL-ReconfPrepTDD          OPTIONAL,
    iE-Extensions             ProtocolExtensionContainer { { DL-DPCH-InformationModify-ModifyItem-RL-ReconfPrepTDD-ExtIEs } }
    OPTIONAL,
    ...
}

DL-DPCH-InformationModify-ModifyItem-RL-ReconfPrepTDD-ExtIEs  NBAP-PROTOCOL-EXTENSION ::= {
    { ID id-DL-Timeslot-LCR-InformationModify-ModifyList-RL-ReconfPrepTDD  CRITICALITY reject          EXTENSION          DL-Timeslot-
LCR-InformationModify-ModifyList-RL-ReconfPrepTDD          PRESENCE optional },
    ...
}

DL-Timeslot-InformationModify-ModifyList-RL-ReconfPrepTDD ::= SEQUENCE (SIZE (1..maxNrOfDLTs)) OF DL-Timeslot-InformationModify-ModifyItem-RL-
ReconfPrepTDD

DL-Timeslot-InformationModify-ModifyItem-RL-ReconfPrepTDD ::= SEQUENCE {
    timeSlot                  TimeSlot,
    midambleShiftAndBurstType  MidambleShiftAndBurstType          OPTIONAL,
    tFCI-Presence              TFCI-Presence          OPTIONAL,
    dL-Code-InformationModify-ModifyList-RL-ReconfPrepTDD  DL-Code-InformationModify-ModifyList-RL-ReconfPrepTDD          OPTIONAL,
    iE-Extensions              ProtocolExtensionContainer { { DL-Timeslot-InformationModify-ModifyItem-RL-ReconfPrepTDD-ExtIEs } }
    OPTIONAL,
    ...
}

DL-Timeslot-InformationModify-ModifyItem-RL-ReconfPrepTDD-ExtIEs NBAP-PROTOCOL-EXTENSION ::= {
    { ID id-Maximum-DL-Power-Modify-LCR-InformationModify-RL-ReconfPrepTDD  CRITICALITY ignore  EXTENSION DL-Power          PRESENCE optional } |
    -- Applicable to 1.28Mcps TDD only
    { ID id-Minimum-DL-Power-Modify-LCR-InformationModify-RL-ReconfPrepTDD  CRITICALITY ignore  EXTENSION DL-Power          PRESENCE optional },
    ...
}

```

```

}
DL-Code-InformationModify-ModifyList-RL-ReconfPrepTDD ::= SEQUENCE (SIZE (0..maxNrOfDPCHs)) OF DL-Code-InformationModify-ModifyItem-RL-ReconfPrepTDD

DL-Code-InformationModify-ModifyItem-RL-ReconfPrepTDD ::= SEQUENCE {
    dPCH-ID                DPCH-ID,
    tdd-ChannelisationCode TDD-ChannelisationCode OPTIONAL,
    iE-Extensions          ProtocolExtensionContainer { { DL-Code-InformationModify-ModifyItem-RL-ReconfPrepTDD-ExtIEs } }
    OPTIONAL,
    ...
}

DL-Code-InformationModify-ModifyItem-RL-ReconfPrepTDD-ExtIEs NBAP-PROTOCOL-EXTENSION ::= {
    ...
}

DL-Timeslot-LCR-InformationModify-ModifyList-RL-ReconfPrepTDD ::= SEQUENCE (SIZE (1..maxNrOfDLTSLCRs)) OF DL-Timeslot-LCR-InformationModify-
ModifyItem-RL-ReconfPrepTDD

DL-Timeslot-LCR-InformationModify-ModifyItem-RL-ReconfPrepTDD ::= SEQUENCE {
    timeSlotLCR                TimeSlotLCR,
    midambleShiftLCR          MidambleShiftLCR OPTIONAL,
    tFCI-Presence              TFCI-Presence OPTIONAL,
    dL-Code-LCR-InformationModify-ModifyList-RL-ReconfPrepTDD          DL-Code-LCR-InformationModify-ModifyList-RL-ReconfPrepTDD OPTIONAL,
    iE-Extensions              ProtocolExtensionContainer { { DL-Timeslot-LCR-InformationModify-ModifyItem-RL-ReconfPrepTDD-ExtIEs } }
    OPTIONAL,
    ...
}

DL-Timeslot-LCR-InformationModify-ModifyItem-RL-ReconfPrepTDD-ExtIEs NBAP-PROTOCOL-EXTENSION ::= {
    ...
}

DL-Code-LCR-InformationModify-ModifyList-RL-ReconfPrepTDD ::= SEQUENCE (SIZE (1..maxNrOfDPCHLCRs)) OF DL-Code-LCR-InformationModify-ModifyItem-RL-
ReconfPrepTDD

DL-Code-LCR-InformationModify-ModifyItem-RL-ReconfPrepTDD ::= SEQUENCE {
    dPCH-ID                DPCH-ID,
    tdd-ChannelisationCodeLCR TDD-ChannelisationCodeLCR OPTIONAL,
    iE-Extensions          ProtocolExtensionContainer { { DL-Code-LCR-InformationModify-ModifyItem-RL-ReconfPrepTDD-ExtIEs } }
    OPTIONAL,
    ...
}

DL-Code-LCR-InformationModify-ModifyItem-RL-ReconfPrepTDD-ExtIEs NBAP-PROTOCOL-EXTENSION ::= {
    { ID id-DL-DPCH-TimeSlotFormat-LCR-ModifyItem-RL-ReconfPrepTDD CRITICALITY reject EXTENSION TDD-DL-DPCH-TimeSlotFormat-LCR PRESENCE
optional},
    ...
}

DL-DPCH-InformationModify-DeleteList-RL-ReconfPrepTDD ::= ProtocolIE-Single-Container { { DL-DPCH-InformationModify-DeleteListIEs-RL-ReconfPrepTDD } }

DL-DPCH-InformationModify-DeleteListIEs-RL-ReconfPrepTDD NBAP-PROTOCOL-IES ::= {
    { ID id-DL-DPCH-InformationModify-DeleteListIE-RL-ReconfPrepTDD CRITICALITY reject TYPE DL-DPCH-InformationModify-DeleteListIE-RL-
ReconfPrepTDD PRESENCE mandatory }
}

```

```

}

DL-DPCH-InformationModify-DeleteListIE-RL-ReconfPrepTDD ::= SEQUENCE (SIZE (1..maxNrOfDPCHs)) OF DL-DPCH-InformationModify-DeleteItem-RL-
ReconfPrepTDD

DL-DPCH-InformationModify-DeleteItem-RL-ReconfPrepTDD ::= SEQUENCE {
    dPCH-ID                DPCH-ID,
    iE-Extensions          ProtocolExtensionContainer { { DL-DPCH-InformationModify-DeleteItem-RL-ReconfPrepTDD-ExtIEs} }
    OPTIONAL,
    ...
}

DL-DPCH-InformationModify-DeleteItem-RL-ReconfPrepTDD-ExtIEs  NBAP-PROTOCOL-EXTENSION ::= {
    ...
}

DL-CCTrCH-InformationDeleteList-RL-ReconfPrepTDD ::= SEQUENCE (SIZE (1..maxNrOfCCTrCHs)) OF DL-CCTrCH-InformationDeleteItem-RL-ReconfPrepTDD

DL-CCTrCH-InformationDeleteItem-RL-ReconfPrepTDD ::= SEQUENCE {
    cCTrCH-ID                CCTrCH-ID,
    iE-Extensions          ProtocolExtensionContainer { { DL-CCTrCH-InformationDeleteItem-RL-ReconfPrepTDD-ExtIEs} }
    OPTIONAL,
    ...
}

DL-CCTrCH-InformationDeleteItem-RL-ReconfPrepTDD-ExtIEs  NBAP-PROTOCOL-EXTENSION ::= {
    ...
}

DCH-DeleteList-RL-ReconfPrepTDD ::= SEQUENCE (SIZE (1..maxNrOfDCHs)) OF DCH-DeleteItem-RL-ReconfPrepTDD

DCH-DeleteItem-RL-ReconfPrepTDD ::= SEQUENCE {
    dCH-ID                DCH-ID,
    iE-Extensions          ProtocolExtensionContainer { { DCH-DeleteItem-RL-ReconfPrepTDD-ExtIEs} }
    OPTIONAL,
    ...
}

DCH-DeleteItem-RL-ReconfPrepTDD-ExtIEs  NBAP-PROTOCOL-EXTENSION ::= {
    ...
}

DSCH-Information-ModifyList-RL-ReconfPrepTDD ::= SEQUENCE (SIZE (1..maxNrOfDSCHs)) OF DSCH-Information-ModifyItem-RL-ReconfPrepTDD

DSCH-Information-ModifyItem-RL-ReconfPrepTDD ::= SEQUENCE {
    dSCH-ID                DSCH-ID,
    cCTrCH-ID                CCTrCH-ID                OPTIONAL,
    -- DL CCTrCH in which the DSCH is mapped
    transportFormatSet      TransportFormatSet      OPTIONAL,
    allocationRetentionPriority AllocationRetentionPriority OPTIONAL,
    frameHandlingPriority    FrameHandlingPriority    OPTIONAL,
    toAWS                    ToAWS                    OPTIONAL,
    toAWE                    ToAWE                    OPTIONAL,
    transportBearerRequestIndicator TransportBearerRequestIndicator,
}

```

```

    iE-Extensions          ProtocolExtensionContainer { { DSCH-Information-ModifyItem-RL-ReconfPrepTDD-ExtIEs } } OPTIONAL,
    ...
}

DSCH-Information-ModifyItem-RL-ReconfPrepTDD-ExtIEs NBAP-PROTOCOL-EXTENSION ::= {
    { ID id-bindingID          CRITICALITY ignore EXTENSION BindingID          PRESENCE optional }|
    -- Shall be ignored if bearer establishment with ALCAP.
    { ID id-transportlayeraddress CRITICALITY ignore EXTENSION TransportLayerAddress PRESENCE optional },
    -- Shall be ignored if bearer establishment with ALCAP.
    ...
}

DSCH-Information-DeleteList-RL-ReconfPrepTDD ::= SEQUENCE (SIZE (1..maxNrOfDSCHs)) OF DSCH-Information-DeleteItem-RL-ReconfPrepTDD

DSCH-Information-DeleteItem-RL-ReconfPrepTDD ::= SEQUENCE {
    dSCH-ID                DSCH-ID,
    iE-Extensions          ProtocolExtensionContainer { { DSCH-Information-DeleteItem-RL-ReconfPrepTDD-ExtIEs } } OPTIONAL,
    ...
}

DSCH-Information-DeleteItem-RL-ReconfPrepTDD-ExtIEs NBAP-PROTOCOL-EXTENSION ::= {
    ...
}

USCH-Information-ModifyList-RL-ReconfPrepTDD ::= SEQUENCE (SIZE (1..maxNrOfUSCHs)) OF USCH-Information-ModifyItem-RL-ReconfPrepTDD

USCH-Information-ModifyItem-RL-ReconfPrepTDD ::= SEQUENCE {
    uSCH-ID                USCH-ID,
    transportFormatSet     TransportFormatSet          OPTIONAL,
    allocationRetentionPriority AllocationRetentionPriority OPTIONAL,
    cCTrCH-ID              CCTrCH-ID          OPTIONAL, -- UL CCTrCH in which the USCH is mapped
    transportBearerRequestIndicator TransportBearerRequestIndicator,
    iE-Extensions          ProtocolExtensionContainer { { USCH-Information-ModifyItem-RL-ReconfPrepTDD-ExtIEs } } OPTIONAL,
    ...
}

USCH-Information-ModifyItem-RL-ReconfPrepTDD-ExtIEs NBAP-PROTOCOL-EXTENSION ::= {
    { ID id-bindingID          CRITICALITY ignore EXTENSION BindingID          PRESENCE optional }|
    -- Shall be ignored if bearer establishment with ALCAP.
    { ID id-transportlayeraddress CRITICALITY ignore EXTENSION TransportLayerAddress PRESENCE optional }|
    -- Shall be ignored if bearer establishment with ALCAP.
    { ID id-TnlQos            CRITICALITY ignore EXTENSION TnlQos            PRESENCE optional },
    ...
}

USCH-Information-DeleteList-RL-ReconfPrepTDD ::= SEQUENCE (SIZE (1..maxNrOfUSCHs)) OF USCH-Information-DeleteItem-RL-ReconfPrepTDD

USCH-Information-DeleteItem-RL-ReconfPrepTDD ::= SEQUENCE {
    uSCH-ID                USCH-ID,
    iE-Extensions          ProtocolExtensionContainer { { USCH-Information-DeleteItem-RL-ReconfPrepTDD-ExtIEs } } OPTIONAL,
    ...
}

```

```

USCH-Information-DeleteItem-RL-ReconfPrepTDD-ExtIEs  NBAP-PROTOCOL-EXTENSION ::= {
    ...
}

MultipleRL-Information-RL-ReconfPrepTDD ::= SEQUENCE (SIZE (1..maxNrOfRLs-1)) OF RL-Information-RL-ReconfPrepTDD
--Includes the 2nd through the max number of radio link information repetitions.

RL-Information-RL-ReconfPrepTDD ::= SEQUENCE {
    rL-ID                               RL-ID,
    maxDL-Power                         DL-Power          OPTIONAL,
    minDL-Power                         DL-Power          OPTIONAL,
    iE-Extensions                       ProtocolExtensionContainer { { RL-Information-RL-ReconfPrepTDD-ExtIEs} }    OPTIONAL,
    ...
}

RL-Information-RL-ReconfPrepTDD-ExtIEs  NBAP-PROTOCOL-EXTENSION ::= {
    { ID id-InitDL-Power                 CRITICALITY ignore  EXTENSION DL-Power          PRESENCE optional }|
    { ID id-RL-Specific-DCH-Info         CRITICALITY ignore  EXTENSION RL-Specific-DCH-Info PRESENCE optional }|
    { ID id-UL-Synchronisation-Parameters-LCR CRITICALITY ignore  EXTENSION UL-Synchronisation-Parameters-LCR PRESENCE optional }|
    -- Mandatory for 1.28Mcps TDD, Not Applicable to 3.84Mcps TDD
    { ID id-TimeslotISCP-LCR-InfoList-RL-ReconfPrepTDD CRITICALITY ignore  EXTENSION DL-TimeslotISCPInfoLCR PRESENCE optional },
    -- Applicable to 1.28Mcps TDD only
    ...
}

```


CHANGE REQUEST

⌘ **25.433 CR 956** ⌘ rev **-** ⌘ Current version: **6.0.0** ⌘

For **HELP** 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 Radio Access Network Core Network

Title:	⌘ Correction of Reconfiguration of Multiple Radio Links in TDD		
Source:	⌘ RAN3		
Work item code:	⌘ TEI5	Date:	⌘ 09/02/2004
Category:	⌘ A	Release:	⌘ Rel-6
	Use <u>one</u> of the following categories: <i>F</i> (correction) <i>A</i> (corresponds to a correction in an earlier release) <i>B</i> (addition of feature), <i>C</i> (functional modification of feature) <i>D</i> (editorial modification) Detailed explanations of the above categories can be found in 3GPP TR 21.900 .		Use <u>one</u> 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:	⌘ CR 906 which added the possibility for reconfiguration of multiple radio link for TDD had a couple of flaws. First, the handling of the radio link identifiers for the multiple repetitions was somewhat abiguous because it is currently a mandatory parameter in an extension container. Second, 4 of the ASN.1 containers that hold the multiple repetitions do not contain extension containers so they can't be enhanced in the future
Summary of change:	⌘ The radio link identifiers have been made optional in each repetition of the information but with abnormal conditions to handle the case where the identifiers are not present but are necessary (when multiple radio links exist in the Node B Context). Additionally the multiple rl containers are also expanded to include the extension containers.
Consequences if not approved:	⌘ The new IEs added for reconfiguration of multiple radio links would not work properly and would not be extendable in the future. Impact Analysis: Impact assessment towards the previous version of the specification (same release): This CR is backward incompatible but has very isolated impact since it has impact only to synchronized reconfiguration of radio links after multiple radio links are preallocated.

Clauses affected:	⌘ 8.3.2, 9.1.42, 9.3.3		
	<table border="1" style="display: inline-table; border-collapse: collapse;"> <tr> <td style="padding: 2px 5px;">Y</td> <td style="padding: 2px 5px;">N</td> </tr> </table>	Y	N
Y	N		

Other specs	⌘	<input checked="" type="checkbox"/>		Other core specifications	⌘	25.433 v5.7.0 CR 955
affected:			<input checked="" type="checkbox"/>	Test specifications		
			<input checked="" type="checkbox"/>	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 <http://www.3gpp.org/specs/CR.htm>. Below is a brief summary:

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

8.3.2 Synchronised Radio Link Reconfiguration Preparation

8.3.2.4 Abnormal Conditions

If only a subset of all the DCHs belonging to a set of co-ordinated DCHs is requested to be deleted, the Node B shall regard the Synchronised Radio Link Reconfiguration Preparation procedure as having failed and shall send the RADIO LINK RECONFIGURATION FAILURE message to the CRNC.

If more than one DCH of a set of co-ordinated DCHs has the *QE-Selector* IE set to "selected" [TDD – or no DCH of a set of co-ordinated DCHs has the *QE-Selector* IE set to "selected"], the Node B shall regard the Synchronised Radio Link Reconfiguration Preparation procedure as failed and shall respond with a RADIO LINK RECONFIGURATION FAILURE message.

[FDD - If the *RL Information* IE includes the *SSDT Indication* IE set to "SSDT Active in the UE" and SSDT is not active in the current configuration, the Node B shall regard the Synchronised Radio Link Reconfiguration Preparation procedure as failed if the *UL DPCH Information* IE does not include the *SSDT Cell Identity Length* IE. In this case, it shall respond with a RADIO LINK RECONFIGURATION FAILURE message.]

If the RADIO LINK RECONFIGURATION PREPARE message includes a *DCHs To Modify* IE or *DCHs To Add* IE with multiple *DCH Specific Info* IEs, and if the DCHs in the *DCHs To Modify* IE or *DCHs To Add* IE do not have the same *Transmission Time Interval* IE in the *Semi-Static Transport Format Information* IE, then the Node B shall reject the procedure using the RADIO LINK RECONFIGURATION FAILURE message.

[FDD - If the *RL Information* IE includes the *DL Reference Power* IEs, but the power balancing is not active in the indicated RL(s), the Node B shall regard the Synchronised Radio Link Reconfiguration Preparation procedure as having failed and the Node B shall respond with the RADIO LINK RECONFIGURATION FAILURE message with the cause value "Power Balancing status not compatible".]

[FDD - If the power balancing is active with the Power Balancing Adjustment Type of the Node B Communication Context set to "Common" in the existing RL(s) but the *RL Information* IE includes more than one *DL Reference Power* IEs, the Node B shall regard the Synchronised Radio Link Reconfiguration Preparation procedure as having failed and the Node B shall respond with the RADIO LINK RECONFIGURATION FAILURE message with the cause value "Power Balancing status not compatible".]

[FDD – If the RADIO LINK RECONFIGURATION PREPARE message includes the *Length Of TFCI2* IE but the *TFCI Signalling Option* IE is set to "Normal", then the Node B shall reject the procedure using the RADIO LINK RECONFIGURATION FAILURE message.]

[FDD – If the RADIO LINK RECONFIGURATION PREPARE message does not include the *Length Of TFCI2* IE but the *Split Type* IE is set to "Logical", then the Node B shall reject the procedure using the RADIO LINK RECONFIGURATION FAILURE message.]

[FDD – If the RADIO LINK RECONFIGURATION PREPARE message includes the *Split Type* IE set to the value "Hard" and the *Length Of TFCI2* IE set to the value "1", "2", "5", "8", "9" or "10", then the Node B shall reject the procedure using the RADIO LINK RECONFIGURATION FAILURE message.]

If the RADIO LINK RECONFIGURATION PREPARE message contains the *Transport Layer Address* IE or the *Binding ID* IE when establishing a transport bearer for any Transport Channel or HS-DSCH MAC-d flow being added, or any Transport Channel or HS-DSCH MAC-d flow being modified for which a new transport bearer was requested with the *Transport Bearer Request Indicator* IE, and not both are present for a transport bearer intended to be established, the Node B shall reject the procedure using the RADIO LINK RECONFIGURATION FAILURE message.

[FDD – If the RADIO LINK RECONFIGURATION PREPARE message is to modify UE channel estimation information for an existing RL and the modification is not allowed according to [10] subclause 4.3.2.1, the Node B shall reject the procedure using the RADIO LINK RECONFIGURATION FAILURE message.]

If the RADIO LINK RECONFIGURATION PREPARE message contains any of the *HS-DSCH Information To Modify* IE, *HS-DSCH MAC-d Flows To Add* IE or *HS-DSCH MAC-d Flows To Delete* IE in addition to the *HS-DSCH Information* IE, the Node B shall reject the procedure using the RADIO LINK RECONFIGURATION FAILURE message.

If the RADIO LINK RECONFIGURATION PREPARE message contains any of the *HS-DSCH Information To Modify* IE, *HS-DSCH MAC-d Flows To Add* IE, *HS-DSCH MAC-d Flows To Delete* IE or *HS-PDSCH RL ID* IE and the

Serving HS-DSCH Radio Link is not in the Node B, the Node B shall reject the procedure using the RADIO LINK RECONFIGURATION FAILURE message.

If the RADIO LINK RECONFIGURATION PREPARE message includes the *HS-DSCH Information* IE and does not include the *HS-PDSCH RL-ID* IE, the Node B shall reject the procedure using the RADIO LINK RECONFIGURATION FAILURE message.

[TDD - If multiple radio links exist within the Node B Communication Context and the RADIO LINK RECONFIGURATION PREPARE message does not include a *RL ID* IE within each *UL DPCH To Add Per RL IE*, *DL DPCH To Add Per RL IE*, *UL DPCH To Modify Per RL IE*, and *DL DPCH To Modify Per RL IE* that is present in the message, the Node B shall reject the procedure using the RADIO LINK RECONFIGURATION FAILURE message.]

9.1.42 RADIO LINK RECONFIGURATION PREPARE

9.1.42.2 TDD Message

IE/Group Name	Presence	Range	IE Type and Reference	Semantics Description	Criticality	Assigned Criticality
Message Discriminator	M		9.2.1.45		–	
Message Type	M		9.2.1.46		YES	reject
Transaction ID	M		9.2.1.62		–	
Node B Communication Context ID	M		9.2.1.48	The reserved value "All NBCC" shall not be used.	YES	reject
UL CCTrCH To Add		<i>0..<maxno of CCTrCHs></i>			GLOBAL	reject
>CCTrCH ID	M		9.2.3.3		–	
>TFCS	M		9.2.1.58		–	
>TFCI Coding	M		9.2.3.22		–	
>Puncture Limit	M		9.2.1.50		–	
>UL DPCH To Add Per RL		<i>0..<maxno of RLs></i>		See note 1 below	–	
>>UL DPCH Information		<i>0..1</i>		Applicable to 3.84Mcps TDD only	YES	reject
>>>Repetition Period	M		9.2.3.16		–	
>>>Repetition Length	M		9.2.3.15		–	
>>>TDD DPCH Offset	M		9.2.3.19A		–	
>>>UL Timeslot Information	M		9.2.3.26C		–	
>>UL DPCH Information LCR		<i>0..1</i>		Applicable to 1.28Mcps TDD only	YES	reject
>>>Repetition Period	M		9.2.3.16		–	
>>>Repetition Length	M		9.2.3.15		–	
>>>TDD DPCH Offset	M		9.2.3.19A		–	
>>>UL Timeslot Information LCR	M		9.2.3.26E		–	
>>UL SIR Target	O		UL SIR 9.2.1.67A	Mandatory for 1.28Mcps TDD. Not Applicable to 3.84Mcps TDD	YES	reject
>>TDD TPC UL Step Size	O		9.2.3.21a	Mandatory for 1.28Mcps TDD. Not Applicable to 3.84Mcps TDD.	YES	reject
>>RL ID	MO		9.2.1.53		YES	ignore
UL CCTrCH To Modify		<i>0..<maxno of CCTrCHs></i>			GLOBAL	reject
>CCTrCH ID	M		9.2.3.3		–	
>TFCS	O		9.2.1.58		–	
>TFCI Coding	O		9.2.3.22		–	
>Puncture Limit	O		9.2.1.50		–	
>UL DPCH To Modify Per RL		<i>0..<maxno of RLs></i>		See note 1 below	–	
>>UL DPCH To Add		<i>0..1</i>		Applicable to 3.84Mcps TDD	YES	reject

				only		
>>>Repetition Period	M		9.2.3.16		–	
>>>Repetition Length	M		9.2.3.15		–	
>>>TDD DPCH Offset	M		9.2.3.19A		–	
>>>UL Timeslot Information	M		9.2.3.26C		–	
>>UL DPCH To Modify		0..1			YES	reject
>>>Repetition Period	O		9.2.3.16		–	
>>>Repetition Length	O		9.2.3.15		–	
>>>TDD DPCH Offset	O		9.2.3.19A		–	
>>>UL Timeslot Information		0..<maxno ofULts>		Applicable to 3.84Mcps TDD only	–	
>>>>Time Slot	M		9.2.3.23		–	
>>>>Midamble Shift And Burst Type	O		9.2.3.7		–	
>>>>TFCI Presence	O		9.2.1.57		–	
>>>>UL Code Information		0..<maxno ofDPCHs>			–	
>>>>>DPCH ID	M		9.2.3.5		–	
>>>>>TDD Channelisation Code	O		9.2.3.19		–	
>>>UL Timeslot Information LCR		0..<maxno ofULtsLCR >		Applicable to 1.28Mcps TDD only	GLOBAL	reject
>>>>Time Slot LCR	M		9.2.3.24A		–	
>>>>Midamble Shift LCR	O		9.2.3.7A			
>>>>TFCI Presence	O		9.2.1.57		–	
>>>>UL Code Information LCR		0..<maxno ofDPCHLCR>			–	
>>>>>DPCH ID	M		9.2.3.5		–	
>>>>>TDD Channelisation Code LCR	O		9.2.3.19a		–	
>>>>> TDD UL DPCH Time Slot Format LCR	O		9.2.3.21C		YES	reject
>>UL DPCH To Delete		0..<maxno ofDPCHs>			GLOBAL	reject
>>>DPCH ID	M		9.2.3.5		–	
>>UL DPCH To Add LCR		0..1		Applicable to 1.28Mcps TDD only	YES	reject
>>>Repetition Period	M		9.2.3.16		–	
>>>Repetition Length	M		9.2.3.15		–	
>>>TDD DPCH Offset	M		9.2.3.19A		–	
>>>UL Timeslot Information LCR	M		9.2.3.26E		–	
>>UL SIR Target	O		UL SIR 9.2.1.67A	Applicable to 1.28Mcps TDD only	YES	reject
>>TDD TPC UL Step Size	O		9.2.3.21a	Applicable to 1.28Mcps TDD only	YES	reject
>>RL ID	MO		9.2.1.53		YES	ignore
UL CCTrCH To Delete		0..<maxno ofCCTrCH s>			GLOBAL	reject

>CCTrCH ID	M		9.2.3.3		–	
DL CCTrCH To Add		<i>0..<maxno of CCTrCHs></i>			GLOBAL	reject
>CCTrCH ID	M		9.2.3.3		–	
>TFCS	M		9.2.1.58		–	
>TFCI Coding	M		9.2.3.22		–	
>Puncture Limit	M		9.2.1.50		–	
>TPC CCTrCH List		<i>0..<maxno of CCTrCHs></i>		List of uplink CCTrCH which provide TPC	–	
>>TPC CCTrCH ID	M		CCTrCH ID 9.2.3.3		–	
>DL DPCH To Add Per RL		<i>0..<maxno of RLS></i>		See Note 1 below	–	
>>DL DPCH Information		<i>0..1</i>		Applicable to 3.84Mcps TDD only	YES	reject
>>>Repetition Period	M		9.2.3.16		–	
>>>Repetition Length	M		9.2.3.15		–	
>>>TDD DPCH Offset	M		9.2.3.19A		–	
>>>DL Timeslot Information	M		9.2.3.4E		–	
>>DL DPCH Information LCR		<i>0..1</i>		Applicable to 1.28Mcps TDD only	YES	reject
>>>Repetition Period	M		9.2.3.16		–	
>>>Repetition Length	M		9.2.3.15		–	
>>>TDD DPCH Offset	M		9.2.3.19A		–	
>>>DL Timeslot Information LCR	M		9.2.3.4O		–	
>>CCTrCH Initial DL Transmission Power	O		DL Power 9.2.1.21		YES	ignore
>>TDD TPC DL Step Size	O		9.2.3.21		YES	reject

>>CCTrCH Maximum DL Transmission Power	O		DL Power 9.2.1.21		YES	ignore
>>CCTrCH Minimum DL Transmission Power	O		DL Power 9.2.1.21		YES	ignore
>>RL ID	MO		9.2.1.53		YES	ignore
DL CCTrCH To Modify		<i>0..<maxno ofCCTrCHs></i>			GLOBAL	reject
>CCTrCH ID	M		9.2.3.3		–	
>TFCS	O		9.2.1.58		–	
>TFCl Coding	O		9.2.3.22		–	
>Puncture Limit	O		9.2.1.50		–	
>TPC CCTrCH List		<i>0..<maxno ofCCTrCHs></i>		List of uplink CCTrCH which provide TPC	–	
>>TPC CCTrCH ID	M		CCTrCH ID 9.2.3.3		–	
>DL DPCH To Modify Per RL		<i>0..<maxno ofRLs></i>		See Note 1 below	–	
>>DL DPCH To Add		<i>0..1</i>		Applicable to 3.84Mcps TDD only	YES	reject
>>>Repetition Period	M		9.2.3.16		–	
>>>Repetition Length	M		9.2.3.15		–	
>>>TDD DPCH Offset	M		9.2.3.19A		–	
>>>DL Timeslot Information	M		9.2.3.4E		–	
>>DL DPCH To Modify		<i>0..1</i>			YES	reject
>>>Repetition Period	O		9.2.3.16		–	
>>>Repetition Length	O		9.2.3.15		–	
>>>TDD DPCH Offset	O		9.2.3.19A		–	
>>>DL Timeslot Information		<i>0..<maxno ofDLts></i>		Applicable to 3.84Mcps TDD only	–	
>>>>Time Slot	M		9.2.3.23		–	
>>>>Midamble Shift And Burst Type	O		9.2.3.7		–	
>>>>TFCl Presence	O		9.2.1.57		–	
>>>>DL Code Information		<i>0..<maxno ofDPCHs></i>			–	
>>>>>DPCH ID	M		9.2.3.5		–	
>>>>>TDD Channelisation Code	O		9.2.3.19		–	
>>>>DL Timeslot Information LCR		<i>0..<maxno ofDLtsLCR></i>		Applicable to 1.28Mcps TDD only	GLOBAL	reject
>>>>>Time Slot LCR	M		9.2.3.24A		–	
>>>>>Midamble Shift LCR	O		9.2.3.7A		–	
>>>>>TFCl Presence	O		9.2.1.57		–	
>>>>>DL Code Information LCR		<i>0..<maxno ofDPCHsLCR></i>			–	
>>>>>>DPCH ID	M		9.2.3.5		–	
>>>>>>TDD Channelisation Code LCR	O		9.2.3.19a		–	
>>>>>>TDD DL DPCH Time Slot Format LCR	O		9.2.3.19D		YES	reject

>>>>Maximum DL Power to Modify LCR	O		DL Power 9.2.1.21	Maximum allowed power on DPCH	YES	ignore
>>>>Minimum DL Power to Modify LCR	O		DL Power 9.2.1.21	Minimum allowed power on DPCH	YES	ignore
>>DL DPCH To Delete		<i>0..<maxno ofDPCHs></i>			GLOBAL	reject
>>>DPCH ID	M		9.2.3.5		–	
>>DL DPCH To Add LCR		<i>0..1</i>		Applicable to 1.28Mcps TDD only	YES	reject
>>>Repetition Period	M		9.2.3.16		–	
>>>Repetition Length	M		9.2.3.15		–	
>>>TDD DPCH Offset	M		9.2.3.19A		–	
>>>DL Timeslot Information LCR	M		9.2.3.4O		–	
>>TDD TPC DL Step Size	O		9.2.3.21		YES	reject
>>Maximum CcTrCH DL Power to Modify	O		DL Power 9.2.1.21		YES	ignore
>>Minimum CcTrCH DL Power to Modify	O		DL Power 9.2.1.21		YES	ignore
>>RL ID	M O		9.2.1.53		YES	ignore
DL CcTrCH To Delete		<i>0..<maxno ofCcTrCHs></i>			GLOBAL	reject
>CcTrCH ID	M		9.2.3.3		–	
DCHs To Modify	O		DCHs TDD To Modify 9.2.3.4D		YES	reject
DCHs To Add	O		DCH TDD Information 9.2.3.4C		YES	reject
DCHs To Delete		<i>0..<maxno ofDCHs></i>			GLOBAL	reject
>DCH ID	M		9.2.1.20		–	
DSCH To Modify		<i>0..<maxno ofDSCHs></i>			GLOBAL	reject
>DSCH ID	M		9.2.1.27		–	
>CcTrCH ID	O		9.2.3.3	DL CcTrCH in which the DSCH is mapped	–	
>Transport Format Set	O		9.2.1.59		–	
>Allocation/Retention Priority	O		9.2.1.1A		–	
>Frame Handling Priority	O		9.2.1.30		–	
>ToAWS	O		9.2.1.61		–	
>ToAWE	O		9.2.1.60		–	
>Transport Bearer Request Indicator	M		9.2.1.62A		–	
>Binding ID	O		9.2.1.4	Shall be ignored if bearer establishment with ALCAP.	YES	ignore
>Transport Layer Address	O		9.2.1.63	Shall be ignored if bearer establishment with ALCAP.	YES	ignore
DSCH To Add	O		DSCH TDD Information		YES	reject

			9.2.3.5A			
DSCH To Delete		<i>0..<maxno ofDSCHs></i>			GLOBAL	reject
>DSCH ID	M		9.2.1.27		–	
USCH To Modify		<i>0..<maxno ofUSCHs></i>			GLOBAL	reject
>USCH ID	M		9.2.3.27		–	
>Transport Format Set	O		9.2.1.59		–	
>Allocation/Retention Priority	O		9.2.1.1A		–	
>CCTrCH ID	O		9.2.3.3	UL CCTrCH in which the USCH is mapped	–	
>Transport Bearer Request Indicator	M		9.2.1.62A		–	
>Binding ID	O		9.2.1.4	Shall be ignored if bearer establishment with ALCAP.	YES	ignore
>Transport Layer Address	O		9.2.1.63	Shall be ignored if bearer establishment with ALCAP.	YES	ignore
>TNL QoS	O		9.2.1.58A		YES	ignore
USCH To Add	O		USCH Information 9.2.3.28		YES	reject
USCH To Delete		<i>0..<maxno ofUSCHs></i>			GLOBAL	reject
>USCH ID	M		9.2.3.27		–	
RL Information		<i>0..<maxno ofRLs></i>		See Note 1 below	YES	reject
>RL ID	M		9.2.1.53		–	
>Maximum Downlink Power	O		DL Power 9.2.1.21		–	
>Minimum Downlink Power	O		DL Power 9.2.1.21		–	
>Initial DL Transmission Power	O		DL Power 9.2.1.21		YES	ignore
>RL Specific DCH Information	O		9.2.1.53G		YES	ignore
>UL Synchronisation Parameters LCR		<i>0..1</i>		Mandatory for 1.28Mcps TDD. Not Applicable to 3.84Mcps TDD.	YES	ignore
>>Uplink Synchronisation Step Size	M		9.2.3.26H		–	
>>Uplink Synchronisation Frequency	M		9.2.3.26G		–	
>DL Time Slot ISCP Info LCR	O		9.2.3.4P	Applicable to 1.28Mcps TDD only	YES	ignore
Signalling Bearer Request Indicator	O		9.2.1.55A		YES	reject
HS-DSCH Information	O		HS-DSCH TDD Information 9.2.3.5F		YES	reject
HS-DSCH Information To	O		9.2.1.31H		YES	reject

Modify						
HS-DSCH MAC-d Flows To Add	O		HS-DSCH MAC-d Flows Information 9.2.1.31IA		YES	reject
HS-DSCH MAC-d Flows To Delete	O		9.2.1.31IB		YES	reject
HS-DSCH-RNTI	C-HSDSCH RadioLink		9.2.1.31J		YES	reject
HS-PDSCH RL ID	O		RL ID 9.2.1.53		YES	reject
PDSCH-RL-ID	O		RL ID 9.2.1.53		YES	ignore

Note 1: This information element is a simplified representation of the ASN.1. Repetition 1 and repetition 2 through *maxnoofRLs* are represented by separate ASN.1 structures with different criticalities.

Condition	Explanation
HSDSCHRadio Link	The IE shall be present if <i>HS-PDSCH RL ID</i> IE is present.

Range Bound	Explanation
<i>maxnoofDCHs</i>	Maximum number of DCHs for a UE
<i>maxnoofCCTrCHs</i>	Maximum number of CCTrCHs for a UE
<i>maxnoofDPCHs</i>	Maximum number of DPCHs in one CCTrCH for 3.84Mcps TDD
<i>maxnoofDPCHsLCR</i>	Maximum number of DPCHs in one CCTrCH for 1.28Mcps TDD
<i>maxnoofDSCHs</i>	Maximum number of DSCHs for one UE
<i>maxnoofUSCHs</i>	Maximum number of USCHs for one UE
<i>maxnoofDLts</i>	Maximum number of Downlink time slots per Radio Link for 3.84Mcps TDD
<i>maxnoofDLtsLCR</i>	Maximum number of Downlink time slots per Radio Link for 1.28Mcps TDD
<i>maxnoofULts</i>	Maximum number of Uplink time slots per Radio Link for 3.84Mcps TDD
<i>maxnoofULtsLCR</i>	Maximum number of Uplink time slots per Radio Link for 1.28Mcps TDD
<i>maxnoofRLs</i>	Maximum number of RLs for one UE

```

-- *****
--
-- RADIO LINK RECONFIGURATION PREPARE TDD
--
-- *****

RadioLinkReconfigurationPrepareTDD ::= SEQUENCE {
    protocolIEs          ProtocolIE-Container    {{RadioLinkReconfigurationPrepareTDD-IEs}},
    protocolExtensions  ProtocolExtensionContainer {{RadioLinkReconfigurationPrepareTDD-Extensions}}          OPTIONAL,
    ...
}

RadioLinkReconfigurationPrepareTDD-IEs NBAP-PROTOCOL-IES ::= {
    { ID id-NodeB-CommunicationContextID          CRITICALITY reject TYPE NodeB-CommunicationContextID          PRESENCE mandatory }|
    { ID id-UL-CCTrCH-InformationAddList-RL-ReconfPrepTDD          CRITICALITY reject TYPE UL-CCTrCH-InformationAddList-RL-ReconfPrepTDD          PRESENCE optional }|
    { ID id-UL-CCTrCH-InformationModifyList-RL-ReconfPrepTDD          CRITICALITY reject TYPE UL-CCTrCH-InformationModifyList-RL-ReconfPrepTDD          PRESENCE optional }|
    { ID id-UL-CCTrCH-InformationDeleteList-RL-ReconfPrepTDD          CRITICALITY reject TYPE UL-CCTrCH-InformationDeleteList-RL-ReconfPrepTDD          PRESENCE optional }|
    { ID id-DL-CCTrCH-InformationAddList-RL-ReconfPrepTDD          CRITICALITY reject TYPE DL-CCTrCH-InformationAddList-RL-ReconfPrepTDD          PRESENCE optional }|
    { ID id-DL-CCTrCH-InformationModifyList-RL-ReconfPrepTDD          CRITICALITY reject TYPE DL-CCTrCH-InformationModifyList-RL-ReconfPrepTDD          PRESENCE optional }|
    { ID id-DL-CCTrCH-InformationDeleteList-RL-ReconfPrepTDD          CRITICALITY reject TYPE DL-CCTrCH-InformationDeleteList-RL-ReconfPrepTDD          PRESENCE optional }|
    { ID id-TDD-DCHs-to-Modify          CRITICALITY reject TYPE TDD-DCHs-to-Modify          PRESENCE optional }|
    { ID id-DCHs-to-Add-TDD          CRITICALITY reject TYPE DCH-TDD-Information          PRESENCE optional }|
    { ID id-DCH-DeleteList-RL-ReconfPrepTDD          CRITICALITY reject TYPE DCH-DeleteList-RL-ReconfPrepTDD          PRESENCE optional }|
    { ID id-DSCH-Information-ModifyList-RL-ReconfPrepTDD          CRITICALITY reject TYPE DSCH-Information-ModifyList-RL-ReconfPrepTDD          PRESENCE optional }|
    { ID id-DSCHs-to-Add-TDD          CRITICALITY reject TYPE DSCH-TDD-Information          PRESENCE optional }|
    { ID id-DSCH-Information-DeleteList-RL-ReconfPrepTDD          CRITICALITY reject TYPE DSCH-Information-DeleteList-RL-ReconfPrepTDD          PRESENCE optional }|
    { ID id-USCH-Information-ModifyList-RL-ReconfPrepTDD          CRITICALITY reject TYPE USCH-Information-ModifyList-RL-ReconfPrepTDD          PRESENCE optional }|
    { ID id-USCH-Information-Add          CRITICALITY reject TYPE USCH-Information          PRESENCE optional }|
    { ID id-USCH-Information-DeleteList-RL-ReconfPrepTDD          CRITICALITY reject TYPE USCH-Information-DeleteList-RL-ReconfPrepTDD          PRESENCE optional }|
    { ID id-RL-Information-RL-ReconfPrepTDD          CRITICALITY reject TYPE RL-Information-RL-ReconfPrepTDD          PRESENCE optional },
-- This RL Information is the for the 1st RL IE repetition
    ...
}

RadioLinkReconfigurationPrepareTDD-Extensions NBAP-PROTOCOL-EXTENSION ::= {
    { ID id-SignallingBearerRequestIndicator          CRITICALITY reject EXTENSION SignallingBearerRequestIndicator          PRESENCE optional }|
    { ID id-HSDSCH-TDD-Information          CRITICALITY reject EXTENSION HSDSCH-TDD-Information          PRESENCE optional }|
    { ID id-HSDSCH-Information-to-Modify          CRITICALITY reject EXTENSION HSDSCH-Information-to-Modify          PRESENCE optional }|
    { ID id-HSDSCH-MACdFlows-to-Add          CRITICALITY reject EXTENSION HSDSCH-MACdFlows-Information          PRESENCE optional }|
    { ID id-HSDSCH-MACdFlows-to-Delete          CRITICALITY reject EXTENSION HSDSCH-MACdFlows-to-Delete          PRESENCE optional }|
    { ID id-HSDSCH-RNTI          CRITICALITY reject EXTENSION HSDSCH-RNTI          PRESENCE conditional }|
-- The IE shall be present if HS-PDSCH RL ID IE is present.
}

```

```

    { ID id-HSPDSCH-RL-ID          CRITICALITY reject EXTENSION RL-ID          PRESENCE optional }|
    { ID id-PDSCH-RL-ID           CRITICALITY ignore EXTENSION RL-ID          PRESENCE optional }|
    { ID id-RL-Information-RL-ReconfPrepTDD CRITICALITY reject EXTENSION MultipleRL-Information-RL-ReconfPrepTDD PRESENCE optional },
-- This RL Information is the for the 2nd and beyond repetition of RL information,
    ...
}

UL-CCTrCH-InformationAddList-RL-ReconfPrepTDD ::= SEQUENCE (SIZE (1..maxNrOfCCTrCHs)) OF UL-CCTrCH-InformationAddItem-RL-ReconfPrepTDD

UL-CCTrCH-InformationAddItem-RL-ReconfPrepTDD ::= SEQUENCE {
    cCTrCH-ID          CCTrCH-ID,
    tFCS              TFCS,
    tFCI-Coding       TFCI-Coding,
    punctureLimit     PunctureLimit,
    ul-DPCH-InformationList UL-DPCH-InformationAddList-RL-ReconfPrepTDD OPTIONAL,
-- This DPCH Information is the for the first RL repetition, DPCH information for RL repetitions 2 and on, should be defined in MultipleRL-UL-DPCH-
InformationAddList-RL-ReconfPrepTDD
    iE-Extensions     ProtocolExtensionContainer { { UL-CCTrCH-InformationAddItem-RL-ReconfPrepTDD-ExtIEs } } OPTIONAL,
    ...
}

UL-CCTrCH-InformationAddItem-RL-ReconfPrepTDD-ExtIEs NBAP-PROTOCOL-EXTENSION ::= {
    { ID id-UL-DPCH-LCR-InformationAddListIE-RL-ReconfPrepTDD CRITICALITY reject EXTENSION UL-DPCH-LCR-InformationAddList-RL-ReconfPrepTDD
    PRESENCE optional }| -- Applicable to 1.28Mcps TDD only
-- This DPCH Information is the for the first RL repetition, DPCH information for RL repetitions 2 and on, should be defined in MultipleRL-UL-DPCH-
InformationAddList-RL-ReconfPrepTDD
    { ID id-UL-SIRTarget          CRITICALITY reject EXTENSION UL-SIR          PRESENCE optional }|
    -- Mandatory for 1.28Mcps TDD, Not Applicable to 3.84Mcps TDD.
-- This Information is the for the first RL repetition, SIR Target information for RL repetitions 2 and on, should be defined in MultipleRL-UL-DPCH-
InformationAddList-RL-ReconfPrepTDD
    { ID id-TDD-TPC-UplinkStepSize-InformationAdd-LCR-RL-ReconfPrepTDD CRITICALITY reject EXTENSION TDD-TPC-UplinkStepSize-LCR PRESENCE optional
    }|
-- This Information is the for the first RL repetition, TPC information for RL repetitions 2 and on, should be defined in MultipleRL-UL-DPCH-
InformationAddList-RL-ReconfPrepTDD
    -- Mandatory for 1.28Mcps TDD, Not Applicable to 3.84Mcps TDD.
    { ID id-RL-ID          CRITICALITY ignore EXTENSION RL-ID          PRESENCE mandatory optional }|
-- This is the RL ID for the first RL repetition
    { ID id-multipleRL-ul-DPCH-InformationList          CRITICALITY reject EXTENSION MultipleRL-UL-DPCH-InformationAddList-RL-ReconfPrepTDD
    PRESENCE optional },
-- This Information is the for the 2nd and beyond RL repetition,
    ...
}

MultipleRL-UL-DPCH-InformationAddList-RL-ReconfPrepTDD ::= SEQUENCE (SIZE (1..maxNrOfRLs-1)) OF MultipleRL-UL-DPCH-InformationAddListIE-RL-
ReconfPrepTDD
--Includes the 2nd through the max number of radio link repetitions.

MultipleRL-UL-DPCH-InformationAddListIE-RL-ReconfPrepTDD ::= SEQUENCE {
    ul-DPCH-InformationList          UL-DPCH-InformationAddList-RL-ReconfPrepTDD          OPTIONAL,
    ul-DPCH-InformationListLCR       UL-DPCH-LCR-InformationAddList-RL-ReconfPrepTDD OPTIONAL,
    ul-sir-target                    UL-SIR          OPTIONAL,
    -- Mandatory for 1.28Mcps TDD, Not Applicable to 3.84Mcps TDD.
    tDD-TPC-UplinkStepSize-LCR      TDD-TPC-UplinkStepSize-LCR          OPTIONAL,

```

```

-- Mandatory for 1.28Mcps TDD, Not Applicable to 3.84Mcps TDD.
rL-ID          RL-ID_____OPTIONAL,
iE-Extensions  ProtocolExtensionContainer { { MultipleRL-UL-DPCH-InformationAddListIE-RL-ReconfPrepTDD-ExtIEs } }
OPTIONAL,

...
}

MultipleRL-UL-DPCH-InformationAddListIE-RL-ReconfPrepTDD-ExtIEs NBAP-PROTOCOL-EXTENSION ::= {
    ...
}

UL-DPCH-InformationAddList-RL-ReconfPrepTDD ::= ProtocolIE-Single-Container { { UL-DPCH-InformationAddListIEs-RL-ReconfPrepTDD } }

UL-DPCH-InformationAddListIEs-RL-ReconfPrepTDD NBAP-PROTOCOL-IES ::= {
    { ID id-UL-DPCH-InformationAddListIE-RL-ReconfPrepTDD    CRITICALITY reject          TYPE UL-DPCH-InformationAddItem-RL-ReconfPrepTDD    PRESENCE
mandatory }
}

UL-DPCH-InformationAddItem-RL-ReconfPrepTDD ::= SEQUENCE {
    repetitionPeriod      RepetitionPeriod,
    repetitionLength      RepetitionLength,
    tdd-DPCHOffset        TDD-DPCHOffset,
    uL-Timeslot-Information UL-Timeslot-Information,
    iE-Extensions         ProtocolExtensionContainer { { UL-DPCH-InformationAddItem-RL-ReconfPrepTDD-ExtIEs } }    OPTIONAL,
    ...
}

UL-DPCH-InformationAddItem-RL-ReconfPrepTDD-ExtIEs NBAP-PROTOCOL-EXTENSION ::= {
    ...
}

UL-DPCH-LCR-InformationAddList-RL-ReconfPrepTDD ::= SEQUENCE {
    repetitionPeriod      RepetitionPeriod,
    repetitionLength      RepetitionLength,
    tdd-DPCHOffset        TDD-DPCHOffset,
    uL-Timeslot-InformationLCR UL-TimeslotLCR-Information,
    iE-Extensions         ProtocolExtensionContainer { { UL-DPCH-LCR-InformationAddItem-RL-ReconfPrepTDD-ExtIEs } }    OPTIONAL,
    ...
}

UL-DPCH-LCR-InformationAddItem-RL-ReconfPrepTDD-ExtIEs NBAP-PROTOCOL-EXTENSION ::= {
    ...
}

UL-CCTrCH-InformationModifyList-RL-ReconfPrepTDD ::= SEQUENCE (SIZE (1..maxNrOfCCTrCHs)) OF UL-CCTrCH-InformationModifyItem-RL-ReconfPrepTDD

UL-CCTrCH-InformationModifyItem-RL-ReconfPrepTDD ::= SEQUENCE {
    cCTrCH-ID            CCTrCH-ID,
    tFCS                 TFCS                                OPTIONAL,
    tFCI-Coding          TFCI-Coding                        OPTIONAL,
    punctureLimit        PunctureLimit                     OPTIONAL,
    ul-DPCH-InformationAddList UL-DPCH-InformationModify-AddList-RL-ReconfPrepTDD    OPTIONAL,
}

```

```

-- This DPCH Information is the for the first RL repetition, DPCH information for RL repetitions 2 and on, should be defined in MultipleRL-UL-DPCH-
InformationModifyList-RL-ReconfPrepTDD
  ul-DPCH-InformationModifyList          UL-DPCH-InformationModify-ModifyList-RL-ReconfPrepTDD          OPTIONAL,
-- This DPCH Information is the for the first RL repetition, DPCH information for RL repetitions 2 and on, should be defined in MultipleRL-UL-DPCH-
InformationModifyList-RL-ReconfPrepTDD
  ul-DPCH-InformationDeleteList         UL-DPCH-InformationModify-DeleteList-RL-ReconfPrepTDD          OPTIONAL,
-- This DPCH Information is the for the first RL repetition, DPCH information for RL repetitions 2 and on, should be defined in MultipleRL-UL-DPCH-
InformationModifyList-RL-ReconfPrepTDD
  iE-Extensions                         ProtocolExtensionContainer { { UL-CCTrCH-InformationModifyItem-RL-ReconfPrepTDD-ExtIEs} }
  OPTIONAL,
  ...
}

UL-CCTrCH-InformationModifyItem-RL-ReconfPrepTDD-ExtIEs NBAP-PROTOCOL-EXTENSION ::= {
  { ID id-UL-DPCH-LCR-InformationModify-AddList  CRITICALITY reject      EXTENSION      UL-DPCH-LCR-InformationModify-AddList-RL-ReconfPrepTDD
  PRESENCE optional }| -- Applicable to 1.28Mcps TDD only
-- This DPCH Information is the for the first RL repetition, DPCH information for RL repetitions 2 and on, should be defined in MultipleRL-UL-DPCH-
InformationModifyList-RL-ReconfPrepTDD
  { ID id-UL-SIRTarget      CRITICALITY reject      EXTENSION      UL-SIR      PRESENCE optional      }|
  -- Applicable to 1.28Mcps TDD only.
-- This Information is the for the first RL repetition, SIR Target information for RL repetitions 2 and on, should be defined in MultipleRL-UL-DPCH-
InformationModifyList-RL-ReconfPrepTDD
  { ID id-TDD-TPC-UplinkStepSize-InformationModify-LCR-RL-ReconfPrepTDD      CRITICALITY reject      EXTENSION      TDD-TPC-UplinkStepSize-LCR
  PRESENCE optional }|
  -- Applicable to 1.28Mcps TDD only
-- This Information is the for the first RL repetition, Step Size information for RL repetitions 2 and on, should be defined in MultipleRL-UL-DPCH-
InformationModifyList-RL-ReconfPrepTDD
  { ID id-RL-ID      CRITICALITY ignore      EXTENSION      RL-ID      PRESENCE mandatoryoptional }|
-- This is the RL ID for the first RL repetition
  { ID id-multipleRL-ul-DPCH-InformationModifyList      CRITICALITY reject      EXTENSION      MultipleRL-UL-DPCH-InformationModifyList-RL-
ReconfPrepTDD      PRESENCE optional },
-- This DPCH Information is the for the 2nd and beyond RL repetition,
  ...
}

UL-DPCH-InformationModify-AddList-RL-ReconfPrepTDD ::= ProtocolIE-Single-Container {{ UL-DPCH-InformationModify-AddListIEs-RL-ReconfPrepTDD }}

UL-DPCH-InformationModify-AddListIEs-RL-ReconfPrepTDD NBAP-PROTOCOL-IES ::= {
  { ID id-UL-DPCH-InformationModify-AddListIE-RL-ReconfPrepTDD      CRITICALITY reject      TYPE UL-DPCH-InformationModify-AddItem-RL-ReconfPrepTDD
  PRESENCE mandatory }
}

MultipleRL-UL-DPCH-InformationModifyList-RL-ReconfPrepTDD ::= SEQUENCE (SIZE (1..maxNrOfRLs-1)) OF MultipleRL-UL-DPCH-InformationModifyListIE-RL-
ReconfPrepTDD
--Includes the 2nd through the max number of radio link information repetitions.

MultipleRL-UL-DPCH-InformationModifyListIE-RL-ReconfPrepTDD ::= SEQUENCE {
  ul-DPCH-InformationAddList          UL-DPCH-InformationModify-AddList-RL-ReconfPrepTDD          OPTIONAL,
  ul-DPCH-InformationModifyList      UL-DPCH-InformationModify-ModifyList-RL-ReconfPrepTDD          OPTIONAL,
  ul-DPCH-InformationDeleteList      UL-DPCH-InformationModify-DeleteList-RL-ReconfPrepTDD          OPTIONAL,
  ul-DPCH-InformationAddListLCR      UL-DPCH-LCR-InformationModify-AddList-RL-ReconfPrepTDD          OPTIONAL,
  ul-sir-target                      UL-SIR          OPTIONAL,
  tDD-TPC-UplinkStepSize-LCR        TDD-TPC-UplinkStepSize-LCR          OPTIONAL,
}

```

```

    rL-ID                                RL-ID OPTIONAL,
-- This DPCH Information is the for the 2nd and beyond RL repetitions,
iE-Extensions                          ProtocolExtensionContainer { { MultipleRL-UL-DPCH-InformationModifyListIE-RL-ReconfPrepTDD-ExtIEs } }
    OPTIONAL,
    ...
}

MultipleRL-UL-DPCH-InformationModifyListIE-RL-ReconfPrepTDD-ExtIEs NBAP-PROTOCOL-EXTENSION ::= {
    ...
}

UL-DPCH-InformationModify-AddItem-RL-ReconfPrepTDD ::= SEQUENCE {
    repetitionPeriod                      RepetitionPeriod,
    repetitionLength                      RepetitionLength,
    tdd-DPCHOffset                        TDD-DPCHOffset,
    uL-Timeslot-Information                UL-Timeslot-Information,
    iE-Extensions                          ProtocolExtensionContainer { { UL-DPCH-InformationModify-AddItem-RL-ReconfPrepTDD-ExtIEs } }    OPTIONAL,
    ...
}

UL-DPCH-InformationModify-AddItem-RL-ReconfPrepTDD-ExtIEs NBAP-PROTOCOL-EXTENSION ::= {
    ...
}

UL-DPCH-LCR-InformationModify-AddList-RL-ReconfPrepTDD ::= SEQUENCE {
    repetitionPeriod                      RepetitionPeriod,
    repetitionLength                      RepetitionLength,
    tdd-DPCHOffset                        TDD-DPCHOffset,
    uL-Timeslot-InformationLCR            UL-TimeslotLCR-Information,
    iE-Extensions                          ProtocolExtensionContainer { { UL-DPCH-LCR-InformationModify-AddItem-RL-ReconfPrepTDD-ExtIEs } }
    OPTIONAL,
    ...
}

UL-DPCH-LCR-InformationModify-AddItem-RL-ReconfPrepTDD-ExtIEs NBAP-PROTOCOL-EXTENSION ::= {
    ...
}

UL-DPCH-InformationModify-ModifyList-RL-ReconfPrepTDD ::= ProtocolIE-Single-Container { { UL-DPCH-InformationModify-ModifyListIEs-RL-ReconfPrepTDD } }

UL-DPCH-InformationModify-ModifyListIEs-RL-ReconfPrepTDD NBAP-PROTOCOL-IES ::= {
    { ID id-UL-DPCH-InformationModify-ModifyListIE-RL-ReconfPrepTDD    CRITICALITY reject          TYPE UL-DPCH-InformationModify-ModifyItem-RL-
ReconfPrepTDD                PRESENCE mandatory }
}

UL-DPCH-InformationModify-ModifyItem-RL-ReconfPrepTDD ::= SEQUENCE {
    repetitionPeriod                      RepetitionPeriod    OPTIONAL,
    repetitionLength                      RepetitionLength    OPTIONAL,
    tdd-DPCHOffset                        TDD-DPCHOffset      OPTIONAL,
    uL-Timeslot-InformationModify-ModifyList-RL-ReconfPrepTDD          UL-Timeslot-InformationModify-ModifyList-RL-ReconfPrepTDD    OPTIONAL,
    iE-Extensions                          ProtocolExtensionContainer { { UL-DPCH-InformationModify-ModifyItem-RL-ReconfPrepTDD-ExtIEs } }
    OPTIONAL,
    ...
}

```



```

}

UL-DPCH-InformationModify-ModifyItem-RL-ReconfPrepTDD-ExtIEs NBAP-PROTOCOL-EXTENSION ::= {
  { ID id-UL-TimeslotLCR-Information-RL-ReconfPrepTDD      CRITICALITY reject      EXTENSION  UL-TimeslotLCR-InformationModify-ModifyList-RL-
ReconfPrepTDD      PRESENCE optional },    -- Applicable to 1.28Mcps TDD only
  ...
}

UL-Timeslot-InformationModify-ModifyList-RL-ReconfPrepTDD ::= SEQUENCE (SIZE (1..maxNrOfULTSs)) OF UL-Timeslot-InformationModify-ModifyItem-RL-
ReconfPrepTDD -- Applicable to 3.84Mcps TDD only

UL-Timeslot-InformationModify-ModifyItem-RL-ReconfPrepTDD ::= SEQUENCE {
  timeSlot                TimeSlot,
  midambleShiftAndBurstType MidambleShiftAndBurstType      OPTIONAL,
  tFCI-Presence            TFCI-Presence                  OPTIONAL,
  uL-Code-InformationModify-ModifyList-RL-ReconfPrepTDD UL-Code-InformationModify-ModifyList-RL-ReconfPrepTDD  OPTIONAL,
  iE-Extensions           ProtocolExtensionContainer { { UL-Timeslot-InformationModify-ModifyItem-RL-ReconfPrepTDD-ExtIEs} }
OPTIONAL,
  ...
}

UL-Timeslot-InformationModify-ModifyItem-RL-ReconfPrepTDD-ExtIEs NBAP-PROTOCOL-EXTENSION ::= {
  ...
}

UL-Code-InformationModify-ModifyList-RL-ReconfPrepTDD ::= SEQUENCE (SIZE (1..maxNrOfDPCHs)) OF UL-Code-InformationModify-ModifyItem-RL-ReconfPrepTDD

UL-Code-InformationModify-ModifyItem-RL-ReconfPrepTDD ::= SEQUENCE {
  dPCH-ID                DPCH-ID,
  tdd-ChannelisationCode TDD-ChannelisationCode      OPTIONAL,
  iE-Extensions           ProtocolExtensionContainer { { UL-Code-InformationModify-ModifyItem-RL-ReconfPrepTDD-ExtIEs} }
OPTIONAL,
  ...
}

UL-Code-InformationModify-ModifyItem-RL-ReconfPrepTDD-ExtIEs NBAP-PROTOCOL-EXTENSION ::= {
  ...
}

UL-TimeslotLCR-InformationModify-ModifyList-RL-ReconfPrepTDD ::= SEQUENCE (SIZE (1..maxNrOfULTSLCRs)) OF UL-Timeslot-LCR-InformationModify-
ModifyItem-RL-ReconfPrepTDD -- Applicable to 1.28Mcps TDD only

UL-Timeslot-LCR-InformationModify-ModifyItem-RL-ReconfPrepTDD ::= SEQUENCE {
  timeSlotLCR            TimeSlotLCR,
  midambleShiftLCR      MidambleShiftLCR      OPTIONAL,
  tFCI-Presence          TFCI-Presence      OPTIONAL,
  uL-Code-InformationModify-ModifyList-RL-ReconfPrepTDDLcr UL-Code-InformationModify-ModifyList-RL-ReconfPrepTDDLcr  OPTIONAL,
  iE-Extensions         ProtocolExtensionContainer { { UL-Timeslot-LCR-InformationModify-ModifyItem-RL-ReconfPrepTDD-ExtIEs} }
OPTIONAL,
  ...
}

UL-Timeslot-LCR-InformationModify-ModifyItem-RL-ReconfPrepTDD-ExtIEs NBAP-PROTOCOL-EXTENSION ::= {

```

```

}
...
}

UL-Code-InformationModify-ModifyList-RL-ReconfPrepTDDLRCR ::= SEQUENCE (SIZE (1..maxNrOfDPCHLCRs)) OF UL-Code-InformationModify-ModifyItem-RL-
ReconfPrepTDDLRCR

UL-Code-InformationModify-ModifyItem-RL-ReconfPrepTDDLRCR ::= SEQUENCE {
    dPCH-ID                DPCH-ID,
    tdd-ChannelisationCodeLCR    TDD-ChannelisationCodeLCR    OPTIONAL,
    iE-Extensions            ProtocolExtensionContainer { { UL-Code-InformationModify-ModifyItem-RL-ReconfPrepTDDLRCR-ExtIEs } }
    OPTIONAL,
    ...
}

UL-Code-InformationModify-ModifyItem-RL-ReconfPrepTDDLRCR-ExtIEs NBAP-PROTOCOL-EXTENSION ::= {
    { ID id-UL-DPCH-TimeSlotFormat-LCR-ModifyItem-RL-ReconfPrepTDD    CRITICALITY reject    EXTENSION TDD-UL-DPCH-TimeSlotFormat-LCR    PRESENCE
optional},
    ...
}

UL-DPCH-InformationModify-DeleteList-RL-ReconfPrepTDD ::= ProtocolIE-Single-Container { { UL-DPCH-InformationModify-DeleteListIEs-RL-ReconfPrepTDD } }

UL-DPCH-InformationModify-DeleteListIEs-RL-ReconfPrepTDD NBAP-PROTOCOL-IES ::= {
    { ID id-UL-DPCH-InformationModify-DeleteListIE-RL-ReconfPrepTDD    CRITICALITY reject    TYPE UL-DPCH-InformationModify-DeleteListIE-RL-
ReconfPrepTDD    PRESENCE mandatory }
}

UL-DPCH-InformationModify-DeleteListIE-RL-ReconfPrepTDD ::= SEQUENCE (SIZE (1..maxNrOfDPCHs)) OF UL-DPCH-InformationModify-DeleteItem-RL-
ReconfPrepTDD

UL-DPCH-InformationModify-DeleteItem-RL-ReconfPrepTDD ::= SEQUENCE {
    dPCH-ID                DPCH-ID,
    iE-Extensions            ProtocolExtensionContainer { { UL-DPCH-InformationModify-DeleteItem-RL-ReconfPrepTDD-ExtIEs } }
    OPTIONAL,
    ...
}

UL-DPCH-InformationModify-DeleteItem-RL-ReconfPrepTDD-ExtIEs NBAP-PROTOCOL-EXTENSION ::= {
    ...
}

UL-CCTrCH-InformationDeleteList-RL-ReconfPrepTDD ::= SEQUENCE (SIZE (1..maxNrOfCCTrCHs)) OF UL-CCTrCH-InformationDeleteItem-RL-ReconfPrepTDD

UL-CCTrCH-InformationDeleteItem-RL-ReconfPrepTDD ::= SEQUENCE {
    cCTrCH-ID                CCTrCH-ID,
    iE-Extensions            ProtocolExtensionContainer { { UL-CCTrCH-InformationDeleteItem-RL-ReconfPrepTDD-ExtIEs } }
    OPTIONAL,
    ...
}

UL-CCTrCH-InformationDeleteItem-RL-ReconfPrepTDD-ExtIEs NBAP-PROTOCOL-EXTENSION ::= {
    ...
}

```

```

}

DL-CCTrCH-InformationAddList-RL-ReconfPrepTDD ::= SEQUENCE (SIZE (1..maxNrOfCCTrCHs)) OF DL-CCTrCH-InformationAddItem-RL-ReconfPrepTDD

DL-CCTrCH-InformationAddItem-RL-ReconfPrepTDD ::= SEQUENCE {
    cCTrCH-ID                CCTrCH-ID,
    tFCS                     TFCS,
    tFCI-Coding              TFCI-Coding,
    punctureLimit            PunctureLimit,
    cCTrCH-TPCList           CCTrCH-TPCAddList-RL-ReconfPrepTDD                OPTIONAL,
    dl-DPCH-InformationList  DL-DPCH-InformationAddList-RL-ReconfPrepTDD        OPTIONAL,
    -- This DPCH Information is the for the first RL repetition, DPCH information for RL repetitions 2 and on, should be defined in MultipleRL-DL-DPCH-
    InformationAddList-RL-ReconfPrepTDD
    iE-Extensions           ProtocolExtensionContainer { { DL-CCTrCH-InformationAddItem-RL-ReconfPrepTDD-ExtIEs} }
    OPTIONAL,
    ...
}

DL-CCTrCH-InformationAddItem-RL-ReconfPrepTDD-ExtIEs NBAP-PROTOCOL-EXTENSION ::= {
    { ID id-DL-DPCH-LCR-InformationAddList-RL-ReconfPrepTDD                CRITICALITY reject EXTENSION DL-DPCH-LCR-InformationAddList-RL-
    ReconfPrepTDD PRESENCE optional }} -- Applicable to 1.28Mcps TDD only
    -- This DPCH Information is the for the first RL repetition, DPCH information for RL repetitions 2 and on, should be defined in MultipleRL-DL-DPCH-
    InformationAddList-RL-ReconfPrepTDD
    { ID id-CCTrCH-Initial-DL-Power-RL-ReconfPrepTDD                    CRITICALITY ignore EXTENSION DL-Power PRESENCE optional }}
    -- This DL Power information is the for the first RL repetition, DL power information for RL repetitions 2 and on, should be defined in MultipleRL-
    DL-DPCH-InformationAddList-RL-ReconfPrepTDD
    { ID id-TDD-TPC-DownlinkStepSize-InformationAdd-RL-ReconfPrepTDD    CRITICALITY reject EXTENSION TDD-TPC-DownlinkStepSize PRESENCE optional }}
    -- This DL step size is the for the first RL repetition, DL step size information for RL repetitions 2 and on, should be defined in MultipleRL-DL-
    DPCH-InformationAddList-RL-ReconfPrepTDD
    { ID id-CCTrCH-Maximum-DL-Power-InformationAdd-RL-ReconfPrepTDD      CRITICALITY ignore EXTENSION DL-Power PRESENCE optional }}
    -- This DL Power information is the for the first RL repetition, DL power information for RL repetitions 2 and on, should be defined in MultipleRL-
    DL-DPCH-InformationAddList-RL-ReconfPrepTDD
    { ID id-CCTrCH-Minimum-DL-Power-InformationAdd-RL-ReconfPrepTDD      CRITICALITY ignore EXTENSION DL-Power PRESENCE optional }}
    -- This DL Power information is the for the first RL repetition, DL power information for RL repetitions 2 and on, should be defined in MultipleRL-
    DL-DPCH-InformationAddList-RL-ReconfPrepTDD
    { ID id-RL-ID                                                       CRITICALITY ignore EXTENSION RL-ID PRESENCE mandatoryoptional }}
    -- This is the RL ID for the first RL repetition
    { ID id-multipleRL-ul-DPCH-InformationList                            CRITICALITY reject EXTENSION MultipleRL-DL-DPCH-InformationAddList-RL-
    ReconfPrepTDD PRESENCE optional },
    -- This DPCH Information is the for the 2nd and beyond RL repetition,
    ...
}

MultipleRL-DL-DPCH-InformationAddList-RL-ReconfPrepTDD ::= SEQUENCE (SIZE (1..maxNrOfRLs-1)) OF MultipleRL-DL-DPCH-InformationAddListIE-RL-
ReconfPrepTDD
--Includes the 2nd through the max number of radio link information repetitions.

MultipleRL-DL-DPCH-InformationAddListIE-RL-ReconfPrepTDD ::= SEQUENCE {
    dl-DPCH-InformationList                DL-DPCH-InformationAddList-RL-ReconfPrepTDD                OPTIONAL,
    dl-DPCH-InformationListLCR             DL-DPCH-LCR-InformationAddList-RL-ReconfPrepTDD        OPTIONAL,
    cCTrCH-Initial-DL-Power                DL-Power                                                            OPTIONAL,
    tDD-TPC-DownlinkStepSize              TDD-TPC-DownlinkStepSize                                           OPTIONAL,
    cCTrCH-Maximum-DL-Power-InformationAdd-RL-ReconfPrepTDD            DL-Power                                                            OPTIONAL,
}

```

```

cCtRCH-Minimum-DL-Power-InformationAdd-RL-ReconfPrepTDD      DL-Power      OPTIONAL,
rL-ID      RL-ID      OPTIONAL,
iE-Extensions      ProtocolExtensionContainer { { MultipleRL-DL-DPCH-InformationAddListIE-RL-ReconfPrepTDD-ExtIEs } }
OPTIONAL,
...
}

MultipleRL-DL-DPCH-InformationAddListIE-RL-ReconfPrepTDD-ExtIEs  NBAP-PROTOCOL-EXTENSION ::= {
...
}

CCTrCH-TPCAddList-RL-ReconfPrepTDD ::= SEQUENCE (SIZE (1..maxNrOfCCTrCHs)) OF CCTrCH-TPCAddItem-RL-ReconfPrepTDD      -- Applicable to 3.84Mcps TDD
only

CCTrCH-TPCAddItem-RL-ReconfPrepTDD ::= SEQUENCE {
cCtRCH-ID      CCTrCH-ID,
iE-Extensions      ProtocolExtensionContainer { { CCTrCH-TPCAddItem-RL-ReconfPrepTDD-ExtIEs } }      OPTIONAL,
...
}

CCTrCH-TPCAddItem-RL-ReconfPrepTDD-ExtIEs  NBAP-PROTOCOL-EXTENSION ::= {
...
}

DL-DPCH-InformationAddList-RL-ReconfPrepTDD ::= ProtocolIE-Single-Container { { DL-DPCH-InformationAddListIEs-RL-ReconfPrepTDD } }

DL-DPCH-InformationAddListIEs-RL-ReconfPrepTDD NBAP-PROTOCOL-IES ::= {
{ ID id-DL-DPCH-InformationAddListIE-RL-ReconfPrepTDD      CRITICALITY reject      TYPE DL-DPCH-InformationAddItem-RL-ReconfPrepTDD      PRESENCE
mandatory }
}

DL-DPCH-InformationAddItem-RL-ReconfPrepTDD ::= SEQUENCE {
repetitionPeriod      RepetitionPeriod,
repetitionLength      RepetitionLength,
tdd-DPCHOffset      TDD-DPCHOffset,
dL-Timeslot-Information      DL-Timeslot-Information,
iE-Extensions      ProtocolExtensionContainer { { DL-DPCH-InformationAddItem-RL-ReconfPrepTDD-ExtIEs } }      OPTIONAL,
...
}

DL-DPCH-InformationAddItem-RL-ReconfPrepTDD-ExtIEs  NBAP-PROTOCOL-EXTENSION ::= {
...
}

DL-DPCH-LCR-InformationAddList-RL-ReconfPrepTDD ::= SEQUENCE {
repetitionPeriod      RepetitionPeriod,
repetitionLength      RepetitionLength,
tdd-DPCHOffset      TDD-DPCHOffset,
dL-Timeslot-InformationLCR      DL-TimeslotLCR-Information,
iE-Extensions      ProtocolExtensionContainer { { DL-DPCH-LCR-InformationAddItem-RL-ReconfPrepTDD-ExtIEs } }      OPTIONAL,
...
}

```

```

DL-DPCH-LCR-InformationAddItem-RL-ReconfPrepTDD-ExtIEs  NBAP-PROTOCOL-EXTENSION ::= {
    ...
}

DL-CCTrCH-InformationModifyList-RL-ReconfPrepTDD ::= SEQUENCE (SIZE (1..maxNrOfCCTrCHs)) OF DL-CCTrCH-InformationModifyItem-RL-ReconfPrepTDD

DL-CCTrCH-InformationModifyItem-RL-ReconfPrepTDD ::= SEQUENCE {
    cCTrCH-ID                CCTrCH-ID,
    tFCS                      TFCS                                OPTIONAL,
    tFCI-Coding               TFCI-Coding                        OPTIONAL,
    punctureLimit             PunctureLimit                    OPTIONAL,
    cCTrCH-TPCList            CCTrCH-TPCModifyList-RL-ReconfPrepTDD  OPTIONAL,
    dl-DPCH-InformationAddList DL-DPCH-InformationModify-AddList-RL-ReconfPrepTDD  OPTIONAL,
    -- This DPCH Information is the for the first RL repetition, DPCH information for RL repetitions 2 and on, should be defined in MultipleRL-DL-DPCH-
    InformationModifyList-RL-ReconfPrepTDD
    dl-DPCH-InformationModifyList DL-DPCH-InformationModify-ModifyList-RL-ReconfPrepTDD  OPTIONAL,
    -- This DPCH Information is the for the first RL repetition, DPCH information for RL repetitions 2 and on, should be defined in MultipleRL-DL-DPCH-
    InformationModifyList-RL-ReconfPrepTDD
    dl-DPCH-InformationDeleteList DL-DPCH-InformationModify-DeleteList-RL-ReconfPrepTDD  OPTIONAL,
    -- This DPCH Information is the for the first RL repetition, DPCH information for RL repetitions 2 and on, should be defined in MultipleRL-DL-DPCH-
    InformationModifyList-RL-ReconfPrepTDD
    iE-Extensions             ProtocolExtensionContainer { { DL-CCTrCH-InformationModifyItem-RL-ReconfPrepTDD-ExtIEs } }
    OPTIONAL,
    ...
}

DL-CCTrCH-InformationModifyItem-RL-ReconfPrepTDD-ExtIEs  NBAP-PROTOCOL-EXTENSION ::= {
    { ID id-DL-DPCH-LCR-InformationModify-AddList-RL-ReconfPrepTDD CRITICALITY reject EXTENSION DL-DPCH-LCR-InformationModify-
    AddList-RL-ReconfPrepTDD PRESENCE optional }| -- Applicable to 1.28Mcps TDD only
    -- This DPCH Information is the for the first RL repetition, DPCH information for RL repetitions 2 and on, should be defined in MultipleRL-DL-DPCH-
    InformationModifyList-RL-ReconfPrepTDD
    { ID id-TDD-TPC-DownlinkStepSize-InformationModify-RL-ReconfPrepTDD CRITICALITY reject EXTENSION TDD-TPC-DownlinkStepSize PRESENCE optional }|
    -- This Step Size Information is the for the first RL repetition, step size information for RL repetitions 2 and on, should be defined in
    MultipleRL-DL-DPCH-InformationModifyList-RL-ReconfPrepTDD
    { ID id-CCTrCH-Maximum-DL-Power-InformationModify-RL-ReconfPrepTDD CRITICALITY ignore EXTENSION DL-Power PRESENCE optional }|
    -- This power Information is the for the first RL repetition, power information for RL repetitions 2 and on, should be defined in MultipleRL-DL-
    DPCH-InformationModifyList-RL-ReconfPrepTDD
    { ID id-CCTrCH-Minimum-DL-Power-InformationModify-RL-ReconfPrepTDD CRITICALITY ignore EXTENSION DL-Power PRESENCE optional }|
    -- This power Information is the for the first RL repetition, power information for RL repetitions 2 and on, should be defined in MultipleRL-DL-
    DPCH-InformationModifyList-RL-ReconfPrepTDD
    { ID id-RL-ID CRITICALITY ignore EXTENSION RL-ID PRESENCE mandatoryoptional }|
    -- This is the RL ID for the first RL repetition
    { ID id-multipleRL-dl-DPCH-InformationModifyList CRITICALITY reject EXTENSION MultipleRL-DL-DPCH-InformationModifyList-RL-
    ReconfPrepTDD PRESENCE optional },
    -- This DPCH Information is the for the 2nd and beyond RL repetitions,
    ...
}

MultipleRL-DL-DPCH-InformationModifyList-RL-ReconfPrepTDD ::= SEQUENCE (SIZE (1..maxNrOfRLs-1)) OF MultipleRL-DL-DPCH-InformationModifyListIE-RL-
ReconfPrepTDD
--Includes the 2nd through the max number of radio link information repetitions.

MultipleRL-DL-DPCH-InformationModifyListIE-RL-ReconfPrepTDD ::= SEQUENCE {

```

3GPP TS 25.433 v6.0.0

22

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dl-DPCH-InformationAddList          DL-DPCH-InformationModify-AddList-RL-ReconfPrepTDD      OPTIONAL,
dl-DPCH-InformationModifyList       DL-DPCH-InformationModify-ModifyList-RL-ReconfPrepTDD   OPTIONAL,
dl-DPCH-InformationDeleteList       DL-DPCH-InformationModify-DeleteList-RL-ReconfPrepTDD   OPTIONAL,
dl-DPCH-InformationAddListLCR       DL-DPCH-LCR-InformationModify-AddList-RL-ReconfPrepTDD  OPTIONAL,
tDD-TPC-DownlinkStepSize-InformationModify-RL-ReconfPrepTDD  TDD-TPC-DownlinkStepSize                               OPTIONAL,
cCTrCH-Maximum-DL-Power-InformationModify-RL-ReconfPrepTDD   DL-Power                                                OPTIONAL,
cCTrCH-Minimum-DL-Power-InformationModify-RL-ReconfPrepTDD   DL-Power                                                OPTIONAL,
rL-ID                               RL-ID OPTIONAL,
iE-Extensions                       ProtocolExtensionContainer { { MultipleRL-DL-DPCH-InformationModifyListIE-RL-
ReconfPrepTDD-ExtIEs } } OPTIONAL,
...
}

MultipleRL-DL-DPCH-InformationModifyListIE-RL-ReconfPrepTDD-ExtIEs NBAP-PROTOCOL-EXTENSION ::= {
...
}

CCTrCH-TPCModifyList-RL-ReconfPrepTDD ::= SEQUENCE (SIZE (1..maxNrOfCCTrCHs)) OF CCTrCH-TPCModifyItem-RL-ReconfPrepTDD

CCTrCH-TPCModifyItem-RL-ReconfPrepTDD ::= SEQUENCE {
    cCTrCH-ID          CCTrCH-ID,
    iE-Extensions     ProtocolExtensionContainer { { CCTrCH-TPCModifyItem-RL-ReconfPrepTDD-ExtIEs } } OPTIONAL,
    ...
}

CCTrCH-TPCModifyItem-RL-ReconfPrepTDD-ExtIEs NBAP-PROTOCOL-EXTENSION ::= {
    ...
}

DL-DPCH-InformationModify-AddList-RL-ReconfPrepTDD ::= ProtocolIE-Single-Container {{ DL-DPCH-InformationModify-AddListIEs-RL-ReconfPrepTDD }}
-- Applicable to 3.84Mcps TDD only

DL-DPCH-InformationModify-AddListIEs-RL-ReconfPrepTDD NBAP-PROTOCOL-IES ::= {
    { ID id-DL-DPCH-InformationModify-AddListIE-RL-ReconfPrepTDD CRITICALITY reject          TYPE DL-DPCH-InformationModify-AddItem-RL-ReconfPrepTDD
    PRESENCE mandatory }
}

DL-DPCH-InformationModify-AddItem-RL-ReconfPrepTDD ::= SEQUENCE {
    repetitionPeriod      RepetitionPeriod,
    repetitionLength      RepetitionLength,
    tdd-DPCHOffset        TDD-DPCHOffset,
    dL-Timeslot-Information DL-Timeslot-Information,
    iE-Extensions         ProtocolExtensionContainer { { DL-DPCH-InformationModify-AddItem-RL-ReconfPrepTDD-ExtIEs } } OPTIONAL,
    ...
}

DL-DPCH-InformationModify-AddItem-RL-ReconfPrepTDD-ExtIEs NBAP-PROTOCOL-EXTENSION ::= {
    ...
}

DL-DPCH-LCR-InformationModify-AddList-RL-ReconfPrepTDD ::= SEQUENCE {
    repetitionPeriod      RepetitionPeriod,
    repetitionLength      RepetitionLength,

```

```

tdd-DPCHOffset
DL-Timeslot-InformationLCR
IE-Extensions
OPTIONAL,
...
}

DL-DPCH-LCR-InformationModify-AddItem-RL-ReconfPrepTDD-ExtIEs NBAP-PROTOCOL-EXTENSION ::= {
...
}

DL-DPCH-InformationModify-ModifyList-RL-ReconfPrepTDD ::= ProtocolIE-Single-Container {{ DL-DPCH-InformationModify-ModifyListIEs-RL-ReconfPrepTDD }}

DL-DPCH-InformationModify-ModifyListIEs-RL-ReconfPrepTDD NBAP-PROTOCOL-IES ::= {
{ ID id-DL-DPCH-InformationModify-ModifyListIE-RL-ReconfPrepTDD CRITICALITY reject TYPE DL-DPCH-InformationModify-ModifyItem-RL-
ReconfPrepTDD PRESENCE mandatory }
}

DL-DPCH-InformationModify-ModifyItem-RL-ReconfPrepTDD ::= SEQUENCE {
repetitionPeriod RepetitionPeriod OPTIONAL,
repetitionLength RepetitionLength OPTIONAL,
tdd-DPCHOffset TDD-DPCHOffset OPTIONAL,
DL-Timeslot-InformationAddModify-ModifyList-RL-ReconfPrepTDD DL-Timeslot-InformationModify-ModifyList-RL-ReconfPrepTDD OPTIONAL,
IE-Extensions ProtocolExtensionContainer { { DL-DPCH-InformationModify-ModifyItem-RL-ReconfPrepTDD-ExtIEs } }
OPTIONAL,
...
}

DL-DPCH-InformationModify-ModifyItem-RL-ReconfPrepTDD-ExtIEs NBAP-PROTOCOL-EXTENSION ::= {
{ ID id-DL-Timeslot-LCR-InformationModify-ModifyList-RL-ReconfPrepTDD CRITICALITY reject EXTENSION DL-Timeslot-
LCR-InformationModify-ModifyList-RL-ReconfPrepTDD PRESENCE optional },
...
}

DL-Timeslot-InformationModify-ModifyList-RL-ReconfPrepTDD ::= SEQUENCE (SIZE (1..maxNrOfDLTs)) OF DL-Timeslot-InformationModify-ModifyItem-RL-
ReconfPrepTDD

DL-Timeslot-InformationModify-ModifyItem-RL-ReconfPrepTDD ::= SEQUENCE {
timeSlot TimeSlot,
midambleShiftAndBurstType MidambleShiftAndBurstType OPTIONAL,
tFCI-Presence TFCI-Presence OPTIONAL,
dL-Code-InformationModify-ModifyList-RL-ReconfPrepTDD DL-Code-InformationModify-ModifyList-RL-ReconfPrepTDD OPTIONAL,
IE-Extensions ProtocolExtensionContainer { { DL-Timeslot-InformationModify-ModifyItem-RL-ReconfPrepTDD-ExtIEs } }
OPTIONAL,
...
}

DL-Timeslot-InformationModify-ModifyItem-RL-ReconfPrepTDD-ExtIEs NBAP-PROTOCOL-EXTENSION ::= {
{ ID id-Maximum-DL-Power-Modify-LCR-InformationModify-RL-ReconfPrepTDD CRITICALITY ignore EXTENSION DL-Power PRESENCE optional }|
-- Applicable to 1.28Mcps TDD only
{ ID id-Minimum-DL-Power-Modify-LCR-InformationModify-RL-ReconfPrepTDD CRITICALITY ignore EXTENSION DL-Power PRESENCE optional },
...
}

```

```

}
DL-Code-InformationModify-ModifyList-RL-ReconfPrepTDD ::= SEQUENCE (SIZE (0..maxNrOfDPCHs)) OF DL-Code-InformationModify-ModifyItem-RL-ReconfPrepTDD

DL-Code-InformationModify-ModifyItem-RL-ReconfPrepTDD ::= SEQUENCE {
    dPCH-ID                DPCH-ID,
    tdd-ChannelisationCode TDD-ChannelisationCode OPTIONAL,
    iE-Extensions          ProtocolExtensionContainer { { DL-Code-InformationModify-ModifyItem-RL-ReconfPrepTDD-ExtIEs } }
    OPTIONAL,
    ...
}

DL-Code-InformationModify-ModifyItem-RL-ReconfPrepTDD-ExtIEs NBAP-PROTOCOL-EXTENSION ::= {
    ...
}

DL-Timeslot-LCR-InformationModify-ModifyList-RL-ReconfPrepTDD ::= SEQUENCE (SIZE (1..maxNrOfDLTSLCRs)) OF DL-Timeslot-LCR-InformationModify-
ModifyItem-RL-ReconfPrepTDD

DL-Timeslot-LCR-InformationModify-ModifyItem-RL-ReconfPrepTDD ::= SEQUENCE {
    timeSlotLCR                TimeSlotLCR,
    midambleShiftLCR           MidambleShiftLCR OPTIONAL,
    tFCI-Presence              TFCI-Presence OPTIONAL,
    dL-Code-LCR-InformationModify-ModifyList-RL-ReconfPrepTDD           DL-Code-LCR-InformationModify-ModifyList-RL-ReconfPrepTDD OPTIONAL,
    iE-Extensions              ProtocolExtensionContainer { { DL-Timeslot-LCR-InformationModify-ModifyItem-RL-ReconfPrepTDD-ExtIEs } }
    OPTIONAL,
    ...
}

DL-Timeslot-LCR-InformationModify-ModifyItem-RL-ReconfPrepTDD-ExtIEs NBAP-PROTOCOL-EXTENSION ::= {
    ...
}

DL-Code-LCR-InformationModify-ModifyList-RL-ReconfPrepTDD ::= SEQUENCE (SIZE (1..maxNrOfDPCHLCRs)) OF DL-Code-LCR-InformationModify-ModifyItem-RL-
ReconfPrepTDD

DL-Code-LCR-InformationModify-ModifyItem-RL-ReconfPrepTDD ::= SEQUENCE {
    dPCH-ID                DPCH-ID,
    tdd-ChannelisationCodeLCR TDD-ChannelisationCodeLCR OPTIONAL,
    iE-Extensions          ProtocolExtensionContainer { { DL-Code-LCR-InformationModify-ModifyItem-RL-ReconfPrepTDD-ExtIEs } }
    OPTIONAL,
    ...
}

DL-Code-LCR-InformationModify-ModifyItem-RL-ReconfPrepTDD-ExtIEs NBAP-PROTOCOL-EXTENSION ::= {
    { ID id-DL-DPCH-TimeSlotFormat-LCR-ModifyItem-RL-ReconfPrepTDD CRITICALITY reject EXTENSION TDD-DL-DPCH-TimeSlotFormat-LCR PRESENCE
optional},
    ...
}

DL-DPCH-InformationModify-DeleteList-RL-ReconfPrepTDD ::= ProtocolIE-Single-Container { { DL-DPCH-InformationModify-DeleteListIEs-RL-ReconfPrepTDD } }

DL-DPCH-InformationModify-DeleteListIEs-RL-ReconfPrepTDD NBAP-PROTOCOL-IES ::= {
    { ID id-DL-DPCH-InformationModify-DeleteListIE-RL-ReconfPrepTDD CRITICALITY reject TYPE DL-DPCH-InformationModify-DeleteListIE-RL-
ReconfPrepTDD PRESENCE mandatory }
}

```



```

}

DL-DPCH-InformationModify-DeleteListIE-RL-ReconfPrepTDD ::= SEQUENCE (SIZE (1..maxNrOfDPCHs)) OF DL-DPCH-InformationModify-DeleteItem-RL-
ReconfPrepTDD

DL-DPCH-InformationModify-DeleteItem-RL-ReconfPrepTDD ::= SEQUENCE {
    dPCH-ID                DPCH-ID,
    iE-Extensions          ProtocolExtensionContainer { { DL-DPCH-InformationModify-DeleteItem-RL-ReconfPrepTDD-ExtIEs} }
    OPTIONAL,
    ...
}

DL-DPCH-InformationModify-DeleteItem-RL-ReconfPrepTDD-ExtIEs  NBAP-PROTOCOL-EXTENSION ::= {
    ...
}

DL-CCTrCH-InformationDeleteList-RL-ReconfPrepTDD ::= SEQUENCE (SIZE (1..maxNrOfCCTrCHs)) OF DL-CCTrCH-InformationDeleteItem-RL-ReconfPrepTDD

DL-CCTrCH-InformationDeleteItem-RL-ReconfPrepTDD ::= SEQUENCE {
    cCTrCH-ID                CCTrCH-ID,
    iE-Extensions          ProtocolExtensionContainer { { DL-CCTrCH-InformationDeleteItem-RL-ReconfPrepTDD-ExtIEs} }
    OPTIONAL,
    ...
}

DL-CCTrCH-InformationDeleteItem-RL-ReconfPrepTDD-ExtIEs  NBAP-PROTOCOL-EXTENSION ::= {
    ...
}

DCH-DeleteList-RL-ReconfPrepTDD ::= SEQUENCE (SIZE (1..maxNrOfDCHs)) OF DCH-DeleteItem-RL-ReconfPrepTDD

DCH-DeleteItem-RL-ReconfPrepTDD ::= SEQUENCE {
    dCH-ID                DCH-ID,
    iE-Extensions          ProtocolExtensionContainer { { DCH-DeleteItem-RL-ReconfPrepTDD-ExtIEs} }
    OPTIONAL,
    ...
}

DCH-DeleteItem-RL-ReconfPrepTDD-ExtIEs  NBAP-PROTOCOL-EXTENSION ::= {
    ...
}

DSCH-Information-ModifyList-RL-ReconfPrepTDD ::= SEQUENCE (SIZE (1..maxNrOfDSCHs)) OF DSCH-Information-ModifyItem-RL-ReconfPrepTDD

DSCH-Information-ModifyItem-RL-ReconfPrepTDD ::= SEQUENCE {
    dSCH-ID                DSCH-ID,
    cCTrCH-ID                CCTrCH-ID                OPTIONAL,
    -- DL CCTrCH in which the DSCH is mapped
    transportFormatSet      TransportFormatSet      OPTIONAL,
    allocationRetentionPriority AllocationRetentionPriority OPTIONAL,
    frameHandlingPriority    FrameHandlingPriority    OPTIONAL,
    toAWS                    ToAWS                    OPTIONAL,
    toAWE                    ToAWE                    OPTIONAL,
    transportBearerRequestIndicator TransportBearerRequestIndicator,
}

```

```

    iE-Extensions          ProtocolExtensionContainer { { DSCH-Information-ModifyItem-RL-ReconfPrepTDD-ExtIEs } } OPTIONAL,
    ...
}

DSCH-Information-ModifyItem-RL-ReconfPrepTDD-ExtIEs NBAP-PROTOCOL-EXTENSION ::= {
    { ID id-bindingID          CRITICALITY ignore  EXTENSION BindingID          PRESENCE optional }|
    -- Shall be ignored if bearer establishment with ALCAP.
    { ID id-transportlayeraddress CRITICALITY ignore  EXTENSION TransportLayerAddress PRESENCE optional },
    -- Shall be ignored if bearer establishment with ALCAP.
    ...
}

DSCH-Information-DeleteList-RL-ReconfPrepTDD ::= SEQUENCE (SIZE (1..maxNrOfDSCHs)) OF DSCH-Information-DeleteItem-RL-ReconfPrepTDD

DSCH-Information-DeleteItem-RL-ReconfPrepTDD ::= SEQUENCE {
    dSCH-ID                DSCH-ID,
    iE-Extensions          ProtocolExtensionContainer { { DSCH-Information-DeleteItem-RL-ReconfPrepTDD-ExtIEs } } OPTIONAL,
    ...
}

DSCH-Information-DeleteItem-RL-ReconfPrepTDD-ExtIEs NBAP-PROTOCOL-EXTENSION ::= {
    ...
}

USCH-Information-ModifyList-RL-ReconfPrepTDD ::= SEQUENCE (SIZE (1..maxNrOfUSCHs)) OF USCH-Information-ModifyItem-RL-ReconfPrepTDD

USCH-Information-ModifyItem-RL-ReconfPrepTDD ::= SEQUENCE {
    uSCH-ID                USCH-ID,
    transportFormatSet      TransportFormatSet          OPTIONAL,
    allocationRetentionPriority AllocationRetentionPriority OPTIONAL,
    cCTrCH-ID              CCTrCH-ID          OPTIONAL, -- UL CCTrCH in which the USCH is mapped
    transportBearerRequestIndicator TransportBearerRequestIndicator,
    iE-Extensions          ProtocolExtensionContainer { { USCH-Information-ModifyItem-RL-ReconfPrepTDD-ExtIEs } } OPTIONAL,
    ...
}

USCH-Information-ModifyItem-RL-ReconfPrepTDD-ExtIEs NBAP-PROTOCOL-EXTENSION ::= {
    { ID id-bindingID          CRITICALITY ignore  EXTENSION BindingID          PRESENCE optional }|
    -- Shall be ignored if bearer establishment with ALCAP.
    { ID id-transportlayeraddress CRITICALITY ignore  EXTENSION TransportLayerAddress PRESENCE optional }|
    -- Shall be ignored if bearer establishment with ALCAP.
    { ID id-TnlQos            CRITICALITY ignore  EXTENSION TnlQos            PRESENCE optional },
    ...
}

USCH-Information-DeleteList-RL-ReconfPrepTDD ::= SEQUENCE (SIZE (1..maxNrOfUSCHs)) OF USCH-Information-DeleteItem-RL-ReconfPrepTDD

USCH-Information-DeleteItem-RL-ReconfPrepTDD ::= SEQUENCE {
    uSCH-ID                USCH-ID,
    iE-Extensions          ProtocolExtensionContainer { { USCH-Information-DeleteItem-RL-ReconfPrepTDD-ExtIEs } } OPTIONAL,
    ...
}

```

```

USCH-Information-DeleteItem-RL-ReconfPrepTDD-ExtIEs  NBAP-PROTOCOL-EXTENSION ::= {
    ...
}

MultipleRL-Information-RL-ReconfPrepTDD ::= SEQUENCE (SIZE (1..maxNrOfRLs-1)) OF RL-Information-RL-ReconfPrepTDD
--Includes the 2nd through the max number of radio link information repetitions.

RL-Information-RL-ReconfPrepTDD ::= SEQUENCE {
    rL-ID                               RL-ID,
    maxDL-Power                         DL-Power          OPTIONAL,
    minDL-Power                         DL-Power          OPTIONAL,
    iE-Extensions                       ProtocolExtensionContainer { { RL-Information-RL-ReconfPrepTDD-ExtIEs} }    OPTIONAL,
    ...
}

RL-Information-RL-ReconfPrepTDD-ExtIEs  NBAP-PROTOCOL-EXTENSION ::= {
    { ID id-InitDL-Power                 CRITICALITY ignore EXTENSION DL-Power PRESENCE optional }|
    { ID id-RL-Specific-DCH-Info         CRITICALITY ignore EXTENSION RL-Specific-DCH-Info PRESENCE optional }|
    { ID id-UL-Synchronisation-Parameters-LCR CRITICALITY ignore EXTENSION UL-Synchronisation-Parameters-LCR PRESENCE optional }|
    -- Mandatory for 1.28Mcps TDD, Not Applicable to 3.84Mcps TDD
    { ID id-TimeslotISCP-LCR-InfoList-RL-ReconfPrepTDD CRITICALITY ignore EXTENSION DL-TimeslotISCPInfoLCR PRESENCE optional },
    -- Applicable to 1.28Mcps TDD only
    ...
}

```

CHANGE REQUEST

25.433 CR 967 # rev 1 # Current version: 5.7.0

For [HELP](#) 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 Radio Access Network Core Network

Title:	# Correction of the Dedicated Measurement Initiation procedure with "All NBCC".		
Source:	# RAN3		
Work item code:	# TEI5	Date:	# 19/02/2004
Category:	# F	Release:	# Rel-5
	Use <u>one</u> of the following categories:		Use <u>one</u> of the following releases:
	F (correction)		2 (GSM Phase 2)
	A (corresponds to a correction in an earlier release)		R96 (Release 1996)
	B (addition of feature),		R97 (Release 1997)
	C (functional modification of feature)		R98 (Release 1998)
	D (editorial modification)		R99 (Release 1999)
	Detailed explanations of the above categories can be found in 3GPP TR 21.900 .		Rel-4 (Release 4)
			Rel-5 (Release 5)
			Rel-6 (Release 6)

Reason for change:	# The CR907 25.433 removed the restriction about using the Prepared Reconfiguration when the Dedicated Measurement Initiation procedure is initiated with "All NBCC". In addition to the changes made in CR907 it should be allowed for the Node B to delay the activation of a measurement if there is a pending reconfiguration for an existing context.
Summary of change:	# <p>Rev1: In the new added sentence it has been clarified that the initiation of the measurement may be delayed if a Prepared Reconfiguration no longer exists but the Reconfiguration CFN has not yet elapsed. It has also been clarified in the response message that the initiation of the measurement is delayed due to an existing Prepared Reconfiguration or that the reconfiguration CFN has not yet elapsed.</p> <p>Rev0: New sentence added in Dedicated Measurement Initiation procedure allowing the Node B to delay the activation of a measurement until a Prepared Reconfiguration for this context no longer exist and the CFN, at which the Prepared Reconfiguration becomes active, has expired.</p> <p><u>Impact assessment towards the previous version of the specification (same release):</u></p> <p>This CR has impact on the previous version of the specification (same release). This CR has an impact under the functional point of view. The impact can be considered isolated because the change affects only one function, namely the Dedicated Measurement procedure with "All NBCC".</p>

Consequences if not approved: ⌘ When the Dedicated Measurement Initiation procedure is initiated with “All NBCC” it will not be possible for the Node B to delay the activation of a measurement if there is a pending reconfiguration for an existing context.

Clauses affected: ⌘ 8.3.8.2

Other specs affected:	⌘	<table border="1"><tr><td>Y</td><td>N</td></tr><tr><td>X</td><td></td></tr><tr><td></td><td>X</td></tr><tr><td></td><td>X</td></tr></table>	Y	N	X			X		X	Other core specifications	⌘ 25.433 v6.0.0 CR968
		Y	N									
		X										
	X											
	X											
	Test specifications											
	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 <http://www.3gpp.org/specs/CR.htm>. Below is a brief summary:

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

The Dedicated Measurement Initiation procedure shall not be initiated if a Prepared Reconfiguration exists, as defined in subclause 3.1 except when the *Node B Communication Context ID* IE in the DEDICATED MEASUREMENT INITIATION REQUEST message is set to the reserved value "All NBCC".

If the *Node B Communication Context ID* IE in the DEDICATED MEASUREMENT INITIATION REQUEST message is set to the reserved value "All NBCC", the Dedicated Measurement Initiation procedure may be initiated by the CRNC at any time when the Node B Communication Context exists.

8.3.8.2 Successful Operation

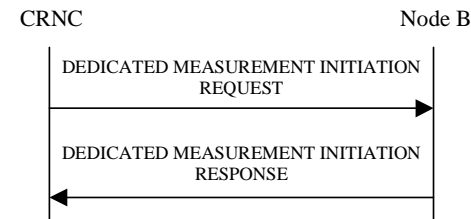


Figure 38: Dedicated Measurement Initiation procedure, Successful Operation

The procedure is initiated with a DEDICATED MEASUREMENT INITIATION REQUEST message sent from the CRNC to the Node B using the Communication Control Port assigned to the Node B Communication Context.

Upon reception, the Node B shall initiate the requested measurement according to the parameters given in the DEDICATED MEASUREMENT INITIATION REQUEST message. Unless specified below the meaning of the parameters are given in other specifications.

If the *Node B Communication Context ID* IE equals the reserved value "All NBCC", this measurement request shall apply for all current and future Node B Communication Contexts controlled via the Communication Control Port on which the DEDICATED MEASUREMENT INITIATION REQUEST message was received. Otherwise, this measurement request shall apply for the requested Node B Communication Context ID only.

If the *Node B Communication Context ID* IE equals the reserved value "All NBCC", the measurement request shall be treated as a single measurement, despite applying to multiple contexts. This means that it may only be terminated or failed on "All NBCC".

If the *Node B Communication Context ID* IE equals the reserved value "All NBCC", the measurement shall be initiated only for those Node B Communication Contexts handling a mode (FDD, 3.84Mcps TDD or 1.28Mcps TDD) for which the concerned measurement is specified in [4] and [5]. [The initiation of the measurement for a Node B Communication Context may be delayed until the Reconfiguration CFN has elapsed if either a Prepared Reconfiguration exists or a Prepared Reconfiguration no longer exists but the Reconfiguration CFN has not yet elapsed.](#)

If the Dedicated Measurement Object Type is indicated as being "RL" in the DEDICATED MEASUREMENT INITIATION REQUEST message, measurement results shall be reported for all indicated Radio Links.

[FDD – If the Dedicated Measurement Object Type is indicated as being "RLS" in the DEDICATED MEASUREMENT INITIATION REQUEST message, measurement results shall be reported for all indicated Radio Link Sets.]

MEASUREMENT INITIATION REQUEST message, measurement results shall be reported for all existing and future Radio Link Sets within the Node B Communication Context.]

/* partly omitted */

Response message

If the Node B was able to initiate the measurement requested by the CRNC, it shall respond with the DEDICATED MEASUREMENT INITIATION RESPONSE message using the Communication Control Port assigned to the Node B Communication Context. The message shall include the same Measurement ID that was used in the measurement request. [The DEDICATED MEASUREMENT INITIATION RESPONSE message shall be sent even if the initiation is delayed for some Node B Communication Contexts due to an existing Prepared Reconfiguration or that the Reconfiguration CFN has not yet elapsed.](#)

Only in the case where the *Report Characteristics* IE is set to "On Demand", the DEDICATED MEASUREMENT INITIATION RESPONSE message shall include the *Dedicated Measurement Object Type* IE containing the measurement result. [TDD – In the case that the measurement was performed on a particular HS-SICH, the Node B shall include the *HS-SICH ID* IE that indicates which HS-SICH was measured.]

In the case where the *Node B Communication Context ID* IE is set to "All NBCC", the *CRNC Communication Context ID* IE in the DEDICATED MEASUREMENT INITIATION RESPONSE shall be set to the value "All CRNCCC", which is reserved for this purpose.

Interaction with Reset Procedure:

If a measurement has been requested with the *Node B Communication Context ID* IE set to "All NBCC", the Node B shall terminate the measurement locally if either the CRNC or the Node B initiates the Reset procedure for the relevant Communication Control Port or the entire Node B.

CHANGE REQUEST

25.433 CR 968 # rev 1 # Current version: 6.0.0

For [HELP](#) 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 Radio Access Network Core Network

Title:	# Correction of the Dedicated Measurement Initiation procedure with "All NBCC".		
Source:	# RAN3		
Work item code:	# TEI5	Date:	# 19/02/2004
Category:	# A	Release:	# Rel-6
	Use <u>one</u> of the following categories:		Use <u>one</u> of the following releases:
	F (correction)	2	(GSM Phase 2)
	A (corresponds to a correction in an earlier release)	R96	(Release 1996)
	B (addition of feature),	R97	(Release 1997)
	C (functional modification of feature)	R98	(Release 1998)
	D (editorial modification)	R99	(Release 1999)
	Detailed explanations of the above categories can be found in 3GPP TR 21.900 .	Rel-4	(Release 4)
		Rel-5	(Release 5)
		Rel-6	(Release 6)

Reason for change:	# The CR907 25.433 removed the restriction about using the Prepared Reconfiguration when the Dedicated Measurement Initiation procedure is initiated with "All NBCC". In addition to the changes made in CR907 it should be allowed for the Node B to delay the activation of a measurement if there is a pending reconfiguration for an existing context.
Summary of change:	# <p>Rev1: In the new added sentence it has been clarified that the initiation of the measurement may be delayed if a Prepared Reconfiguration no longer exists but the Reconfiguration CFN has not yet elapsed. It has also been clarified in the response message that the initiation of the measurement is delayed due to an existing Prepared Reconfiguration or that the reconfiguration CFN has not yet elapsed.</p> <p>Rev0: New sentence added in Dedicated Measurement Initiation procedure allowing the Node B to delay the activation of a measurement until a Prepared Reconfiguration for this context no longer exist and the CFN, at which the Prepared Reconfiguration becomes active, has expired.</p> <p><u>Impact assessment towards the previous version of the specification (same release):</u></p> <p>This CR has impact on the previous version of the specification (same release). This CR has an impact under the functional point of view. The impact can be considered isolated because the change affects only one function, namely the Dedicated Measurement procedure with "All NBCC".</p>

Consequences if not approved: ⌘ When the Dedicated Measurement Initiation procedure is initiated with “All NBCC” it will not be possible for the Node B to delay the activation of a measurement if there is a pending reconfiguration for an existing context.

Clauses affected: ⌘ 8.3.8.2

Other specs affected:	⌘	<table border="1"><tr><td>Y</td><td>N</td></tr><tr><td>X</td><td></td></tr><tr><td></td><td>X</td></tr><tr><td></td><td>X</td></tr></table>	Y	N	X			X		X	Other core specifications	⌘ 25.433 v5.7.0 CR 967
		Y	N									
		X										
	X											
	X											
	Test specifications											
	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 <http://www.3gpp.org/specs/CR.htm>. Below is a brief summary:

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

The Dedicated Measurement Initiation procedure shall not be initiated if a Prepared Reconfiguration exists, as defined in subclause 3.1 except when the *Node B Communication Context ID* IE in the DEDICATED MEASUREMENT INITIATION REQUEST message is set to the reserved value "All NBCC".

If the *Node B Communication Context ID* IE in the DEDICATED MEASUREMENT INITIATION REQUEST message is set to the reserved value "All NBCC", the Dedicated Measurement Initiation procedure may be initiated by the CRNC at any time when the Node B Communication Context exists.

8.3.8.2 Successful Operation

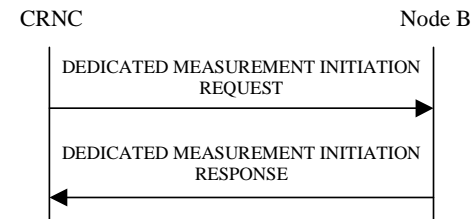


Figure 38: Dedicated Measurement Initiation procedure, Successful Operation

The procedure is initiated with a DEDICATED MEASUREMENT INITIATION REQUEST message sent from the CRNC to the Node B using the Communication Control Port assigned to the Node B Communication Context.

Upon reception, the Node B shall initiate the requested measurement according to the parameters given in the DEDICATED MEASUREMENT INITIATION REQUEST message. Unless specified below the meaning of the parameters are given in other specifications.

If the *Node B Communication Context ID* IE equals the reserved value "All NBCC", this measurement request shall apply for all current and future Node B Communication Contexts controlled via the Communication Control Port on which the DEDICATED MEASUREMENT INITIATION REQUEST message was received. Otherwise, this measurement request shall apply for the requested Node B Communication Context ID only.

If the *Node B Communication Context ID* IE equals the reserved value "All NBCC", the measurement request shall be treated as a single measurement, despite applying to multiple contexts. This means that it may only be terminated or failed on "All NBCC".

If the *Node B Communication Context ID* IE equals the reserved value "All NBCC", the measurement shall be initiated only for those Node B Communication Contexts handling a mode (FDD, 3.84Mcps TDD or 1.28Mcps TDD) for which the concerned measurement is specified in [4] and [5]. [The initiation of the measurement for a Node B Communication Context may be delayed until the Reconfiguration CFN has elapsed if either a Prepared Reconfiguration exists or a Prepared Reconfiguration no longer exists but the Reconfiguration CFN has not yet elapsed.](#)

If the Dedicated Measurement Object Type is indicated as being "RL" in the DEDICATED MEASUREMENT INITIATION REQUEST message, measurement results shall be reported for all indicated Radio Links.

[FDD – If the Dedicated Measurement Object Type is indicated as being "RLS" in the DEDICATED MEASUREMENT INITIATION REQUEST message, measurement results shall be reported for all indicated Radio Link Sets.]

MEASUREMENT INITIATION REQUEST message, measurement results shall be reported for all existing and future Radio Link Sets within the Node B Communication Context.]

/* partly omitted */

Response message

If the Node B was able to initiate the measurement requested by the CRNC, it shall respond with the DEDICATED MEASUREMENT INITIATION RESPONSE message using the Communication Control Port assigned to the Node B Communication Context. The message shall include the same Measurement ID that was used in the measurement request. [The DEDICATED MEASUREMENT INITIATION RESPONSE message shall be sent even if the initiation is delayed for some Node B Communication Contexts due to an existing Prepared Reconfiguration or that the Reconfiguration CFN has not yet elapsed.](#)

Only in the case where the *Report Characteristics* IE is set to "On Demand", the DEDICATED MEASUREMENT INITIATION RESPONSE message shall include the *Dedicated Measurement Object Type* IE containing the measurement result. [TDD – In the case that the measurement was performed on a particular HS-SICH, the Node B shall include the *HS-SICH ID* IE that indicates which HS-SICH was measured.]

In the case where the *Node B Communication Context ID* IE is set to "All NBCC", the *CRNC Communication Context ID* IE in the DEDICATED MEASUREMENT INITIATION RESPONSE shall be set to the value "All CRNCCC", which is reserved for this purpose.

Interaction with Reset Procedure:

If a measurement has been requested with the *Node B Communication Context ID* IE set to "All NBCC", the Node B shall terminate the measurement locally if either the CRNC or the Node B initiates the Reset procedure for the relevant Communication Control Port or the entire Node B.

CR-Form-v7

CHANGE REQUEST

25.433 CR 973 # rev - # Current version: 5.7.0

For **HELP** 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 Radio Access Network Core Network

Title:	# NBAP Corrections for TDD		
Source:	# RAN3		
Work item code:	# TEI5	Date:	# 16/02/2004
Category:	# F	Release:	# Rel-5
	Use <u>one</u> of the following categories:		Use <u>one</u> of the following releases:
	F (correction)		2 (GSM Phase 2)
	A (corresponds to a correction in an earlier release)		R96 (Release 1996)
	B (addition of feature),		R97 (Release 1997)
	C (functional modification of feature)		R98 (Release 1998)
	D (editorial modification)		R99 (Release 1999)
	Detailed explanations of the above categories can be found in 3GPP TR 21.900 .		Rel-4 (Release 4)
			Rel-5 (Release 5)
			Rel-6 (Release 6)

Reason for change:	# The SYNCDCIcodeIdMeasInfoLCR-CellSyncReconfRqstTDD type is used in an NBAP-PROTOCOL-EXTENSION in the CELL SYNCHRONISATION RECONFIGURATION REQUEST TDD message, so it can't be defined in NBAP-PROTOCOL-IES and a normal ASN.1 SEQUENCE has to be used and there are some minor ASN.1 flaws.
Summary of change:	# In the PHYSICAL SHARED CHANNEL RECONFIGURATION REQUEST TDD message some IE definitions are corrected. In the CELL SYNCHRONISATION RECONFIGURATION REQUEST TDD message the SYNCDCIcodeIdMeasInfoLCR-CellSyncReconfRqstTDD is redefined as a SEQUENCE and the tabular is also aligned. In the PHYSICAL SHARED CHANNEL RECONFIGURATION REQUEST TDD message the range of the >>>PUSCH To Modify Information IE is corrected to 1. The Cell Sync Burst Timing IE is aligned in the tabular to the ASN.1. Additional at some places the long dash is corrected to the short dash.
Consequences if not approved:	# If this CR is not approved, the NBAP ASN.1 can't be compiled correctly. Impact Analysis: Impact assessment towards the previous version of the specification (same release): This CR has isolated impact with the previous version of the specification (same release) because the definition of IEs for TDD is corrected. The impact can be considered isolated because the change affects one function namely TDD.

Clauses affected: # 9.1.62.2, 9.1.78, 9.3.3, 9.3.4

Other specs affected:		Y	N		
	⌘	X		Other core specifications	⌘ 25.433 CR974 Rel-6
			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 <http://www.3gpp.org/specs/CR.htm>. Below is a brief summary:

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

9.1.62 PHYSICAL SHARED CHANNEL RECONFIGURATION REQUEST

/* partly omitted */

9.1.62.2 TDD Message

IE/Group Name	Presence	Range	IE Type and Reference	Semantics Description	Criticality	Assigned Criticality
Message Discriminator	M		9.2.1.45		–	
Message Type	M		9.2.1.46		YES	reject
Transaction ID	M		9.2.1.62		–	
C-ID	M		9.2.1.9		YES	reject
SFN	O		9.2.1.53A		YES	reject
PDSCH Sets To Add		<i>0..<maxno of PDSCH Sets></i>			GLOBAL	reject
>PDSCH Set ID	M		9.2.3.11		–	
>PDSCH To Add Information		<i>0..1</i>		Mandatory for 3.84Mcps TDD. Not Applicable to 1.28Mcps TDD.	YES	reject
>>Repetition Period	M		9.2.3.16		–	
>>Repetition Length	M		9.2.3.15		–	
>>TDD Physical Channel Offset	M		9.2.3.20		–	
>>DL Timeslot Information		<i>1..<maxno of DLts></i>			–	
>>>Time Slot	M		9.2.3.23		–	
>>>Midamble Shift And Burst Type	M		9.2.3.7		–	
>>>TFCI Presence	M		9.2.1.57		–	
>>>DL Code Information		<i>1..<maxno of PDSCHs ></i>			–	
>>>>PDSCH ID	M		9.2.3.10		–	
>>>>TDD Channelisation Code	M		9.2.3.19		–	
>PDSCH To Add Information LCR		<i>0..1</i>		Mandatory for 1.28Mcps TDD. Not Applicable to 3.84Mcps TDD.	YES	reject
>>Repetition Period	M		9.2.3.16		–	
>>Repetition Length	M		9.2.3.15		–	
>>TDD Physical Channel Offset	M		9.2.3.20		–	
>>DL Timeslot Information LCR		<i>1..<maxno of DLtsLCR ></i>			–	
>>>Time Slot LCR	M		9.2.3.24A		–	
>>>Midamble Shift LCR	M		9.2.3.7A		–	
>>>TFCI Presence	M		9.2.1.57		–	
>>>DL Code Information LCR		<i>1..<maxno of PDSCHs ></i>			–	
>>>>PDSCH ID	M		9.2.3.10		–	

>>>>TDD Channelisation Code LCR	M		9.2.3.19a		-	
PDSCH Sets To Modify		<i>0..<maxno of PDSCHSe ts></i>			GLOBAL	reject
>PDSCH Set ID	M		9.2.3.11		-	
>CHOICE <i>HCR or LCR</i>	M			See note 1 below	-	
>>3.84Mcps TDD					-	
>>>PDSCH To Modify Information		1			YES	reject
>>>>Repetition Period	O		9.2.3.16		-	
>>>>Repetition Length	O		9.2.3.15		-	
>>>>TDD Physical Channel Offset	O		9.2.3.20		-	
>>>>DL Timeslot Information		<i>0..<maxno ofDLts></i>			-	
>>>>>Time Slot	M		9.2.3.23		-	
>>>>>Midamble Shift And Burst Type	O		9.2.3.7		-	
>>>>>TFCI Presence	O		9.2.1.57		-	
>>>>>DL Code Information		<i>0..<maxno ofPDSCHs ></i>			-	
>>>>>>PDSCH ID	M		9.2.3.10		-	
>>>>>>TDD Channelisation Code	M		9.2.3.19		-	
>>1.28Mcps TDD					-	
>>>PDSCH To Modify Information LCR		1			YES	reject
>>>>Repetition Period	O		9.2.3.16		-	
>>>>Repetition Length	O		9.2.3.15		-	
>>>>TDD Physical Channel Offset	O		9.2.3.20		-	
>>>>DL Timeslot Information LCR		<i>0..<maxno ofDLtsLCR ></i>			-	
>>>>>Time Slot LCR	M		9.2.3.24A		-	
>>>>>Midamble Shift LCR	O		9.2.3.7A		-	
>>>>>TFCI Presence	O		9.2.1.57		-	
>>>>>DL Code Information LCR		<i>0..<maxno ofPDSCHs ></i>			-	
>>>>>>PDSCH ID	M		9.2.3.10		-	
>>>>>>TDD Channelisation Code LCR	M		9.2.3.19a		-	

PDSCH Sets To Delete		0..<maxno of PDSCHSets>			GLOBAL	reject
>PDSCH Set ID	M		9.2.3.11		–	
PUSCH Sets To Add		0..<maxno of PUSCHSets>			GLOBAL	reject
>PUSCH Set ID	M		9.2.3.13		–	
>PUSCH To Add Information		0..1		Mandatory for 3.84Mcps TDD. Not Applicable to 1.28Mcps TDD.	YES	reject
>>Repetition Period	M		9.2.3.16		–	
>>Repetition Length	M		9.2.3.15		–	
>>TDD Physical Channel Offset	M		9.2.3.20		–	
>>UL Timeslot Information		1..<maxno of ULts>			–	
>>>Time Slot	M		9.2.3.23		–	
>>>Midamble Shift And Burst Type	M		9.2.3.7		–	
>>>TFCI Presence	M		9.2.1.57		–	
>>>UL Code Information		1..<maxno of PUSCHs>			–	
>>>>PUSCH ID	M		9.2.3.12		–	
>>>>TDD Channelisation Code	M		9.2.3.19		–	
>PUSCH To Add Information LCR		0..1		Mandatory for 1.28Mcps TDD. Not Applicable to 3.84Mcps TDD.	YES	reject
>>Repetition Period	M		9.2.3.16		–	
>>Repetition Length	M		9.2.3.15		–	
>>TDD Physical Channel Offset	M		9.2.3.20		–	
>>UL Timeslot Information LCR		1..<maxno of ULtsLCR>			–	
>>>Time Slot LCR	M		9.2.3.24A		–	
>>>Midamble Shift LCR	M		9.2.3.7A		–	
>>>TFCI Presence	M		9.2.1.57		–	
>>>UL Code Information LCR		1..<maxno of PUSCHs LCR>			–	
>>>>PUSCH ID	M		9.2.3.12		–	
>>>>TDD Channelisation Code LCR	M		9.2.3.19a		–	
PUSCH Sets To Modify		0..<maxno of PUSCHSets>			GLOBAL	reject
>PUSCH Set ID	M		9.2.3.13		–	
>CHOICE HCR or LCR	M			See note 1 below	–	
>>3.84Mcps TDD					–	
>>>PUSCH To Modify Information		0..1			YES	reject

>>>>Repetition Period	O		9.2.3.16		-	
>>>>Repetition Length	O		9.2.3.15		-	
>>>>TDD Physical Channel Offset	O		9.2.3.20		-	
>>>>UL Timeslot Information		<i>0..<maxno ofULts></i>			-	
>>>>>Time Slot	M		9.2.3.23		-	
>>>>>Midamble Shift And Burst Type	O		9.2.3.7		-	
>>>>>TFCI Presence	O		9.2.1.57		-	
>>>>>UL Code Information		<i>0..<maxno ofPUSCHs ></i>			-	
>>>>>>PUSCH ID	M		9.2.3.12		-	
>>>>>>TDD Channelisation Code	M		9.2.3.19		-	
<i>>>1.28Mcps TDD</i>					-	
>>>PUSCH To Modify Information LCR		1			YES	reject
>>>>Repetition Period	O		9.2.3.16		-	
>>>>Repetition Length	O		9.2.3.15		-	
>>>>TDD Physical Channel Offset	O		9.2.3.20		-	
>>>>UL Timeslot Information LCR		<i>0..<maxno ofULtsLCR ></i>			-	
>>>>>Time Slot LCR	M		9.2.3.24A		-	
>>>>>Midamble Shift LCR	O		9.2.3.7A		-	
>>>>>TFCI Presence	O		9.2.1.57		-	
>>>>>UL Code Information LCR		<i>0..<maxno ofPUSCHs LCR></i>			-	
>>>>>>PUSCH ID	M		9.2.3.12		-	
>>>>>>TDD Channelisation Code LCR	M		9.2.3.19a		-	
PUSCH Sets To Delete		<i>0..<maxno ofPUSCH Sets></i>			GLOBAL	reject
>PUSCH Set ID	M		9.2.3.13		-	
HS-PDSCH TDD Information		<i>0..1</i>			GLOBAL	reject
>DL Timeslot and Code Information		<i>0..<maxno ofDLts></i>		Mandatory for 3.84Mcps TDD. Not Applicable to 1.28Mcps TDD.	-	
>>Time Slot	M		9.2.3.23		-	
>>Midamble Shift And Burst Type	M		9.2.3.7		-	
>>Codes		<i>1..<maxno ofHSPDS CHs></i>			-	

>>>TDD Channelisation Code	M		9.2.3.19		–	
>>HS-PDSCH and HS-SCCH Total Power	O		Maximum Transmission Power 9.2.1.40	Maximum transmission power to be allowed for HS-PDSCH and HS-SCCH codes in the timeslot	YES	reject
>DL Timeslot and Code Information LCR		<i>0..<maxno ofDLtsLCR></i>		Mandatory for 1.28Mcps TDD. Not Applicable to 3.84Mcps TDD.	–	
>>Time Slot LCR	M		9.2.3.24a		–	
>>Midamble Shift LCR	M		9.2.3.7A		–	
>>Codes LCR		<i>1..<maxno ofHSPDS CHs></i>			–	
>>>TDD Channelisation Code	M		9.2.3.19		–	
>>HS-PDSCH and HS-SCCH Total Power	O		Maximum Transmission Power 9.2.1.40	Maximum transmission power to be allowed for HS-PDSCH and HS-SCCH codes in the timeslot	YES	reject
Add to HS-SCCH Resource Pool		<i>0..1</i>			GLOBAL	reject
>HS-SCCH Information		<i>0..<maxno ofHSSCC Hs></i>		Applicable to 3.84Mcps TDD only	–	
>>HS-SCCH ID	M		9.2.3.5Ga		–	
>>Time Slot	M		9.2.3.23		–	
>>Midamble Shift And Burst Type	M		9.2.3.7		–	
>>TDD Channelisation Code	M		9.2.3.19		–	
>>Maximum HS-SCCH Power	M		DL Power 9.2.1.21		–	
>>HS-SICH Information		<i>1</i>			–	
>>>HS-SICH ID	M		9.2.3.5Gb		–	
>>>Time Slot	M		9.2.3.23		–	
>>>Midamble Shift And Burst Type	M		9.2.3.7		–	
>>>TDD Channelisation Code	M		9.2.3.19		–	
>HS-SCCH Information LCR		<i>0..<maxno ofHSSCC Hs></i>		Applicable to 1.28Mcps TDD only	GLOBAL	reject
>>HS-SCCH ID	M		9.2.3.5Ga		–	
>>Time Slot LCR	M		9.2.3.24a		–	
>>Midamble Shift LCR	M		9.2.3.7A		–	
>>First TDD Channelisation Code	M		TDD Channelisation Code 9.2.3.19		–	

>>Second TDD Channelisation Code	M		TDD Channelisation Code 9.2.3.19		–	
>>Maximum HS-SCCH Power	M		DL Power 9.2.1.21		–	
>>HS-SICH Information LCR		1			–	
>>>HS-SICH ID	M		9.2.3.5Gb		–	
>>>Time Slot LCR	M		9.2.3.24a		–	
>>>Midamble Shift LCR	M		9.2.3.7A		–	
>>>TDD Channelisation Code	M		9.2.3.19		–	
Modify HS-SCCH Resource Pool		0..1			GLOBAL	reject
>HS-SCCH Information		0..<maxno ofHSSCC Hs>		Applicable to 3.84Mcps TDD only	–	
>>HS-SCCH ID	M		9.2.3.5Ga		–	
>>Time Slot	O		9.2.3.23		–	
>>Midamble Shift And Burst Type	O		9.2.3.7		–	
>>TDD Channelisation Code	O		9.2.3.19		–	
>>Maximum HS-SCCH Power	O		DL Power 9.2.1.21		–	
>>HS-SICH Information		0..1			–	
>>>HS-SICH ID	M		9.2.3.5Gb		–	
>>>Time Slot	O		9.2.3.23		–	
>>>Midamble Shift And Burst Type	O		9.2.3.7		–	
>>>TDD Channelisation Code	O		9.2.3.19		–	
>HS-SCCH Information LCR		0..<maxno ofHSSCC Hs>		Applicable to 1.28Mcps TDD only	GLOBAL	reject
>>HS-SCCH ID	M		9.2.3.5Ga		–	
>>Time Slot LCR	O		9.2.3.24a		–	
>>Midamble Shift LCR	O		9.2.3.7A		–	
>>First TDD Channelisation Code	O		TDD Channelisation Code 9.2.3.19		–	
>>Second TDD Channelisation Code	O		TDD Channelisation Code 9.2.3.19			
>>Maximum HS-SCCH Power	O		DL Power 9.2.1.21		–	
>>HS-SICH Information LCR		0..1			–	
>>>HS-SICH ID	M		9.2.3.5Gb		–	
>>>Time Slot LCR	O		9.2.3.24a		–	
>>>Midamble Shift LCR	O		9.2.3.7A		–	
>>>TDD Channelisation Code	O		9.2.3.19		–	
Delete from HS-SCCH Resource Pool		0..<maxno of HSSCCHs >			GLOBAL	reject
>HS-SCCH ID	M		9.2.3.5Ga		–	

Note 1: This information element is a simplified representation of the ASN.1. The choice is in reality performed through the use of ProtocolIE-Single-Container within the ASN.1.

Range Bound	Explanation
<i>maxnoofPDSCHSets</i>	Maximum number of PDSCH Sets in a cell.
<i>maxnoofPDSCHs</i>	Maximum number of PDSCH in a cell.
<i>maxnoofPUSCHSets</i>	Maximum number of PUSCH Sets in a cell.
<i>maxnoofPUSCHs</i>	Maximum number of PUSCH in a cell.
<i>maxnoofDLts</i>	Maximum number of Downlink time slots in a cell for 3.84Mcps TDD.
<i>maxnoofDLtsLCR</i>	Maximum number of Downlink time slots in a cell for 1.28Mcps TDD.
<i>maxnoofULts</i>	Maximum number of Uplink time slots in a cell for 3.84Mcps TDD.
<i>maxnoofULtsLCR</i>	Maximum number of Uplink time slots in a cell for 1.28Mcps TDD
<i>maxnoofHSSCCHs</i>	Maximum number of HS-SCCHs in a Cell
<i>maxnoofHSPDSCHs</i>	Maximum number of HS-PDSCHs in one time slot of a Cell

9.1.78 CELL SYNCHRONISATION RECONFIGURATION REQUEST [TDD]

IE/Group Name	Presence	Range	IE Type and Reference	Semantics Description	Criticality	Assigned Criticality
Message Discriminator	M		9.2.1.45		–	
Message Type	M		9.2.1.46		YES	reject
Transaction ID	M		9.2.1.62		–	
C-ID	M		9.2.1.9		YES	reject
Time Slot	M		9.2.3.23	Applicable to 3.84Mcps TDD only. For 1.28Mcps TDD, the CRNC should set this to 0 and the Node B shall ignore it	YES	reject
Number Of Cycles Per SFN Period	M		9.2.3.7B		YES	reject
Number Of Repetitions Per Cycle Period	M		9.2.3.7C		YES	reject
Cell Sync Burst Transmission Reconfiguration Information		<i>0..<maxno ofCellSync Bursts></i>		Applicable to 3.84Mcps TDD only	GLOBAL	reject
>CSB Transmission ID	M		9.2.3.4N		–	
>Sync Frame Number To Transmit	M		Sync Frame Number 9.2.3.18C		–	
>Cell Sync Burst Code	O		9.2.3.4G		–	
>Cell Sync Burst Code Shift	O		9.2.3.4H		–	
>DL Transmission Power	O		DL Power 9.2.1.21		–	
Cell Sync Burst Measurement Reconfiguration Information		<i>0..1</i>		Applicable to 3.84Mcps TDD only	YES	reject
>Cell Sync Burst Measurement Information		<i>1..<maxno ofCellSync Bursts></i>			GLOBAL	reject

>>Sync Frame Number To Receive	M		Sync Frame Number 9.2.3.18C		-	
>>Cell Sync Burst Information		<i>1..<maxno ofreceptio nspersync Frame></i>			-	
>>>CSB Measurement ID	M		9.2.3.4I		-	
>>>Cell Sync Burst Code	M		9.2.3.4G		-	
>>>Cell Sync Burst Code Shift	M		9.2.3.4H		-	
>Synchronisation Report Type	O		9.2.3.18E		YES	reject
>Synchronisation Report Characteristics	O		9.2.3.18D		YES	reject
Number Of Subcycles Per Cycle Period	O		9.2.3.7D	Applicable to 1.28Mcps TDD only	YES	reject
SYNC_DL Code Transmission Reconfiguration Information LCR		<i>0..<maxno ofSyncFramesLCR></i>		Applicable to 1.28Mcps TDD only	GLOBAL	reject
>CSB Transmission ID	M		9.2.3.4N		-	
>Sync Frame Number For Transmission	M		Sync Frame Number 9.2.3.18C		-	
>UARFCN	M		9.2.1.65		-	
>SYNC_DL Code ID	O		9.2.3.18B		-	
>DwPCH Power	O		9.2.3.5B		-	
SYNC_DL Code Measurement Reconfiguration Information LCR		<i>0..1</i>		Applicable to 1.28Mcps TDD only	YES	reject
>SYNC_DL Code Measurement Information LCR		<i>1..<maxno ofSyncDL CodesLCR ></i>			GLOBAL	reject
>>Sync Frame Number To Receive	M		Sync Frame Number 9.2.3.18C		-	
>>Sync_DLCode Information LCR		<i>1..<maxno ofreceptio nspersync FrameLCR ></i>			-	
>>>CSB Measurement ID	M		9.2.3.4I		-	
>>>SYNC_DL Code ID	M		9.2.3.18B		-	
>>>UARFCN	M		9.2.1.65		-	
>>>Propagation Delay Compensation	O		Timing Adjustment Value LCR 9.2.3.22b		-	
>Synchronisation Report Type	O		9.2.3.18E		YES	reject
>Synchronisation Report Characteristics	O		9.2.3.18D		YES	reject

Range Bound	Explanation
<i>maxnoofCellSyncBursts</i>	Maximum number of cell synchronisation bursts per cycle for 3.84Mcps TDD
<i>maxnoofreceptionsperSyncFrame</i>	Maximum number of cell synchronisation burst receptions per Sync Frame for 3.84Mcps TDD
<i>maxnoofSyncFramesLCR</i>	Maximum number of Sync Frames per subcycle for 1.28Mcps TDD
<i>maxnoofreceptionsperSyncFrameLCR</i>	Maximum number of SYNC_DL Code ID receptions per Sync Frame for 1.28Mcps TDD

/* partly omitted */

9.2.3.4L Cell Sync Burst Timing

The *Cell Sync Burst Timing* IE defines the time of start (defined by the first detected path in time) of the cell synchronisation burst of a neighbouring cell see [5] for 3.84Mcps TDD.

IE/Group Name	Presence	Range	IE Type and Reference	Semantics Description
CHOICE <i>Phase</i>				According to mapping in [23]
> <i>Initial Phase</i>				
>>Cell Synch Burst Timing Value	M		INTEGER (0.. 255 1048575,...)	
> <i>Steady State Phase</i>				
>>Cell Synch Burst Timing Value	M		INTEGER (0.. 4048575 255,...)	

/* partly omitted */

9.3.3 PDU Definitions

/* partly omitted */

```
-- *****
--
-- PHYSICAL SHARED CHANNEL RECONFIGURATION REQUEST TDD
--
-- *****
```

```
PhysicalSharedChannelReconfigurationRequestTDD ::= SEQUENCE {
    protocolIEs          ProtocolIE-Container  {{PhysicalSharedChannelReconfigurationRequestTDD-IEs}},
    protocolExtensions  ProtocolExtensionContainer {{PhysicalSharedChannelReconfigurationRequestTDD-Extensions}}  OPTIONAL,
    ...
}
```

```
PhysicalSharedChannelReconfigurationRequestTDD-IEs NBAP-PROTOCOL-IES ::= {
    { ID id-C-ID                CRITICALITY reject  TYPE C-ID                PRESENCE mandatory } |
    { ID id-SFN                  CRITICALITY reject  TYPE SFN                PRESENCE optional } |
    { ID id-PDSCHSets-AddList-PSCH-ReconfRqst  CRITICALITY reject  TYPE PDSCHSets-AddList-PSCH-ReconfRqst  PRESENCE optional } |
    { ID id-PDSCHSets-ModifyList-PSCH-ReconfRqst  CRITICALITY reject  TYPE PDSCHSets-ModifyList-PSCH-ReconfRqst  PRESENCE optional } |
    { ID id-PDSCHSets-DeleteList-PSCH-ReconfRqst  CRITICALITY reject  TYPE PDSCHSets-DeleteList-PSCH-ReconfRqst  PRESENCE optional } |
    { ID id-PUSCHSets-AddList-PSCH-ReconfRqst  CRITICALITY reject  TYPE PUSCHSets-AddList-PSCH-ReconfRqst  PRESENCE optional } |
    { ID id-PUSCHSets-ModifyList-PSCH-ReconfRqst  CRITICALITY reject  TYPE PUSCHSets-ModifyList-PSCH-ReconfRqst  PRESENCE optional } |
    { ID id-PUSCHSets-DeleteList-PSCH-ReconfRqst  CRITICALITY reject  TYPE PUSCHSets-DeleteList-PSCH-ReconfRqst  PRESENCE optional } |
    ...
}
```

```
PhysicalSharedChannelReconfigurationRequestTDD-Extensions NBAP-PROTOCOL-EXTENSION ::= {
    { ID id-HS-PDSCH-TDD-Information-PSCH-ReconfRqst  CRITICALITY reject  EXTENSION HS-PDSCH-TDD-Information-PSCH-ReconfRqst  PRESENCE optional } |
    { ID id-Add-To-HS-SCCH-Resource-Pool-PSCH-ReconfRqst  CRITICALITY reject  EXTENSION Add-To-HS-SCCH-Resource-Pool-PSCH-ReconfRqst  PRESENCE optional } |
    { ID id-Modify-HS-SCCH-Resource-Pool-PSCH-ReconfRqst  CRITICALITY reject  EXTENSION Modify-HS-SCCH-Resource-Pool-PSCH-ReconfRqst  PRESENCE optional } |
    { ID id-Delete-From-HS-SCCH-Resource-Pool-PSCH-ReconfRqst  CRITICALITY reject  EXTENSION Delete-From-HS-SCCH-Resource-Pool-PSCH-ReconfRqst  PRESENCE optional },
    ...
}
```

```
PDSCHSets-AddList-PSCH-ReconfRqst ::= SEQUENCE (SIZE (1..maxNrOfPDSCHSets)) OF PDSCHSets-AddItem-PSCH-ReconfRqst
```

```
PDSCHSets-AddItem-PSCH-ReconfRqst ::= SEQUENCE {
    pDSCHSet-ID                PDSCHSet-ID,
    pDSCH-InformationList      PDSCH-Information-AddList-PSCH-ReconfRqst  OPTIONAL,          -- Mandatory for 3.84Mcps TDD.
    Not Applicable to 1.28Mcps TDD
    iE-Extensions              ProtocolExtensionContainer { {PDSCHSets-AddItem-PSCH-ReconfRqst-ExtIEs} }  OPTIONAL,
    ...
}
```

```
PDSCHSets-AddItem-PSCH-ReconfRqst-ExtIEs NBAP-PROTOCOL-EXTENSION ::= {
```

```

    {ID id-PDSCH-AddInformation-LCR-PSCH-ReconfRqst      CRITICALITY reject      EXTENSION      PDSCH-AddInformation-LCR-AddItem-PSCH-ReconfRqst
    PRESENCE      optional}, -- Mandatory for 1.28Mcps TDD. Not Applicable to 3.84Mcps TDD
    ...
}

PDSCH-Information-AddList-PSCH-ReconfRqst ::= ProtocolIE-Single-Container {{ PDSCH-Information-AddListIEs-PSCH-ReconfRqst }}
-- Mandatory for 3.84Mcps TDD, Not Applicable to 1.28Mcps TDD

PDSCH-Information-AddListIEs-PSCH-ReconfRqst      NBAP-PROTOCOL-IES ::= {
    {ID id-PDSCH-Information-AddListIE-PSCH-ReconfRqst      CRITICALITY reject      TYPE      PDSCH-Information-AddItem-PSCH-ReconfRqst      PRESENCE
    mandatory}
}

PDSCH-Information-AddItem-PSCH-ReconfRqst ::= SEQUENCE {
    repetitionPeriod      RepetitionPeriod,
    repetitionLength      RepetitionLength,
    tdd-PhysicalChannelOffset      TDD-PhysicalChannelOffset,
    dL-Timeslot-InformationAddList-PSCH-ReconfRqst      DL-Timeslot-InformationAddList-PSCH-ReconfRqst,
    iE-Extensions      ProtocolExtensionContainer { {PDSCH-Information-AddItem-PSCH-ReconfRqst-ExtIEs} }      OPTIONAL,
    ...
}

PDSCH-Information-AddItem-PSCH-ReconfRqst-ExtIEs      NBAP-PROTOCOL-EXTENSION ::= {
    ...
}

DL-Timeslot-InformationAddList-PSCH-ReconfRqst ::= SEQUENCE (SIZE (1.. maxNrOfDLTs)) OF DL-Timeslot-InformationAddItem-PSCH-ReconfRqst

DL-Timeslot-InformationAddItem-PSCH-ReconfRqst ::= SEQUENCE {
    timeSlot      TimeSlot,
    midambleShiftAndBurstType      MidambleShiftAndBurstType,
    tFCI-Presence      TFCI-Presence,
    dL-Code-InformationAddList-PSCH-ReconfRqst      DL-Code-InformationAddList-PSCH-ReconfRqst,
    iE-Extensions      ProtocolExtensionContainer { { DL-Timeslot-InformationAddItem-PSCH-ReconfRqst-ExtIEs} }      OPTIONAL,
    ...
}

DL-Timeslot-InformationAddItem-PSCH-ReconfRqst-ExtIEs      NBAP-PROTOCOL-EXTENSION ::= {
    ...
}

DL-Code-InformationAddList-PSCH-ReconfRqst ::= SEQUENCE (SIZE (1..maxNrOfPDSCHs)) OF DL-Code-InformationAddItem-PSCH-ReconfRqst

DL-Code-InformationAddItem-PSCH-ReconfRqst ::= SEQUENCE {
    pDSCH-ID      PDSCH-ID,
    tdd-ChannelisationCode      TDD-ChannelisationCode,
    iE-Extensions      ProtocolExtensionContainer { { DL-Code-InformationAddItem-PSCH-ReconfRqst-ExtIEs} }      OPTIONAL,
    ...
}

DL-Code-InformationAddItem-PSCH-ReconfRqst-ExtIEs      NBAP-PROTOCOL-EXTENSION ::= {
    ...
}

```



```

PDSCH-AddInformation-LCR-AddItem-PSCH-ReconfRqst ::= SEQUENCE {
    repetitionPeriod                RepetitionPeriod,
    repetitionLength                RepetitionLength,
    tdd-PhysicalChannelOffset       TDD-PhysicalChannelOffset,
    dl-Timeslot-InformationAddList-LCR-PSCH-ReconfRqst
    DL-Timeslot-InformationAddList-LCR-PSCH-ReconfRqst,
    iE-Extensions                   ProtocolExtensionContainer { {PDSCH-AddInformation-LCR-AddItem-PSCH-ReconfRqst-ExtIEs} } OPTIONAL,
    ...
}

```

```

PDSCH-AddInformation-LCR-AddItem-PSCH-ReconfRqst-ExtIEs NBAP-PROTOCOL-EXTENSION ::= {
    ...
}

```

```

DL-Timeslot-InformationAddList-LCR-PSCH-ReconfRqst ::= SEQUENCE (SIZE (1.. maxNrOfDLTSLCRs)) OF DL-Timeslot-InformationAddItem-LCR-PSCH-ReconfRqst

```

```

DL-Timeslot-InformationAddItem-LCR-PSCH-ReconfRqst ::= SEQUENCE {
    timeSlotLCR                    TimeSlotLCR,
    midambleShiftLCR              MidambleShiftLCR,
    tFCI-Presence                  TFCI-Presence,
    dl-Code-InformationAddList-LCR-PSCH-ReconfRqst
    DL-Code-InformationAddList-LCR-PSCH-ReconfRqst,
    iE-Extensions                   ProtocolExtensionContainer { { DL-Timeslot-InformationAddItem-LCR-PSCH-ReconfRqst-ExtIEs} } OPTIONAL,
    ...
}

```

```

DL-Timeslot-InformationAddItem-LCR-PSCH-ReconfRqst-ExtIEs NBAP-PROTOCOL-EXTENSION ::= {
    ...
}

```

```

DL-Code-InformationAddList-LCR-PSCH-ReconfRqst ::= SEQUENCE (SIZE (1..maxNrOfPDSCHs)) OF DL-Code-InformationAddItem-LCR-PSCH-ReconfRqst

```

```

DL-Code-InformationAddItem-LCR-PSCH-ReconfRqst ::= SEQUENCE {
    pDSCH-ID                       PDSCH-ID,
    tdd-ChannelisationCodeLCR       TDD-ChannelisationCodeLCR,
    iE-Extensions                   ProtocolExtensionContainer { { DL-Code-InformationAddItem-LCR-PSCH-ReconfRqst-ExtIEs} } OPTIONAL,
    ...
}

```

```

DL-Code-InformationAddItem-LCR-PSCH-ReconfRqst-ExtIEs NBAP-PROTOCOL-EXTENSION ::= {
    ...
}

```

```

PDSCHSets-ModifyList-PSCH-ReconfRqst ::= SEQUENCE (SIZE (1..maxNrOfPDSCHSets)) OF PDSCHSets-ModifyItem-PSCH-ReconfRqst

```

```

PDSCHSets-ModifyItem-PSCH-ReconfRqst ::= SEQUENCE {
    pDSCHSet-ID                    PDSCHSet-ID,
    pDSCH-InformationList           PDSCH-Information-ModifyList-PSCH-ReconfRqst,
    iE-Extensions                   ProtocolExtensionContainer { {PDSCHSets-ModifyItem-PSCH-ReconfRqst-ExtIEs} } OPTIONAL,
    ...
}

```

```

PDSCHSets-ModifyItem-PSCH-ReconfRqst-ExtIEs NBAP-PROTOCOL-EXTENSION ::= {
    ...
}

```

```

}

PDSCH-Information-ModifyList-PSCH-ReconfRqst ::= ProtocolIE-Single-Container {{ PDSCH-Information-ModifyListIEs-PSCH-ReconfRqst }}

PDSCH-Information-ModifyListIEs-PSCH-ReconfRqst NBAP-PROTOCOL-IES ::= {
  {ID id-PDSCH-Information-ModifyListIE-PSCH-ReconfRqst  CRITICALITY reject  TYPE PDSCH-Information-ModifyItem-PSCH-ReconfRqst      PRESENCE
  optional}|
  {ID id-PDSCH-ModifyInformation-LCR-PSCH-ReconfRqst      CRITICALITY reject  TYPE PDSCH-ModifyInformation-LCR-ModifyItem-PSCH-ReconfRqst
  PRESENCE      optional}
}

PDSCH-Information-ModifyItem-PSCH-ReconfRqst ::= SEQUENCE {
  repetitionPeriod              RepetitionPeriod              OPTIONAL,
  repetitionLength              RepetitionLength              OPTIONAL,
  tdd-PhysicalChannelOffset     TDD-PhysicalChannelOffset     OPTIONAL,
  dl-Timeslot-InformationModifyList-PSCH-ReconfRqst  DL-Timeslot-InformationModifyList-PSCH-ReconfRqst      OPTIONAL,
  iE-Extensions                 ProtocolExtensionContainer { {PDSCH-Information-ModifyItem-PSCH-ReconfRqst-ExtIEs} }  OPTIONAL,
  ...
}

PDSCH-Information-ModifyItem-PSCH-ReconfRqst-ExtIEs NBAP-PROTOCOL-EXTENSION ::= {
  ...
}

DL-Timeslot-InformationModifyList-PSCH-ReconfRqst ::= SEQUENCE (SIZE (1.. maxNrOfDLTs)) OF DL-Timeslot-InformationModifyItem-PSCH-ReconfRqst

DL-Timeslot-InformationModifyItem-PSCH-ReconfRqst ::= SEQUENCE {
  timeSlot                      TimeSlot,
  midambleShiftAndBurstType     MidambleShiftAndBurstType  OPTIONAL,
  tFCI-Presence                 TFCI-Presence  OPTIONAL,
  dl-Code-InformationModifyList-PSCH-ReconfRqst  DL-Code-InformationModifyList-PSCH-ReconfRqst      OPTIONAL,
  iE-Extensions                 ProtocolExtensionContainer { { DL-Timeslot-InformationModifyItem-PSCH-ReconfRqst-ExtIEs} }  OPTIONAL,
  ...
}

DL-Timeslot-InformationModifyItem-PSCH-ReconfRqst-ExtIEs NBAP-PROTOCOL-EXTENSION ::= {
  ...
}

DL-Code-InformationModifyList-PSCH-ReconfRqst ::= SEQUENCE (SIZE (1..maxNrOfPDSCHs)) OF DL-Code-InformationModifyItem-PSCH-ReconfRqst

DL-Code-InformationModifyItem-PSCH-ReconfRqst ::= SEQUENCE {
  pDSCH-ID                      PDSCH-ID,
  tdd-ChannelisationCode        TDD-ChannelisationCode,
  iE-Extensions                 ProtocolExtensionContainer { { DL-Code-InformationModifyItem-PSCH-ReconfRqst-ExtIEs} }  OPTIONAL,
  ...
}

DL-Code-InformationModifyItem-PSCH-ReconfRqst-ExtIEs NBAP-PROTOCOL-EXTENSION ::= {
  ...
}

```

```

PDSCH-ModifyInformation-LCR-ModifyItem-PSCH-ReconfRqst ::= SEQUENCE {
    repetitionPeriod                RepetitionPeriod                OPTIONAL,
    repetitionLength                RepetitionLength                OPTIONAL,
    tdd-PhysicalChannelOffset       TDD-PhysicalChannelOffset  OPTIONAL,
    dL-Timeslot-LCR-InformationModifyList-PSCH-ReconfRqst DL-Timeslot-LCR-InformationModifyList-PSCH-ReconfRqst OPTIONAL,
    iE-Extensions                   ProtocolExtensionContainer { {PDSCH-ModifyInformation-LCR-ModifyListIE-PSCH-ReconfRqst-ExtIEs} }
    OPTIONAL,
    ...
}

PDSCH-ModifyInformation-LCR-ModifyListIE-PSCH-ReconfRqst-ExtIEs NBAP-PROTOCOL-EXTENSION ::= {
    ...
}

DL-Timeslot-LCR-InformationModifyList-PSCH-ReconfRqst ::= SEQUENCE (SIZE (1.. maxNrOfDLTSLCRs)) OF DL-Timeslot-LCR-InformationModifyItem-PSCH-ReconfRqst

DL-Timeslot-LCR-InformationModifyItem-PSCH-ReconfRqst ::= SEQUENCE {
    timeSlotLCR                    TimeSlotLCR,
    midambleShiftLCR              MidambleShiftLCR OPTIONAL,
    tFCI-Presence                 TFCI-Presence OPTIONAL,
    dL-Code-LCR-InformationModifyList-PSCH-ReconfRqst DL-Code-LCR-InformationModifyList-PSCH-ReconfRqst OPTIONAL,
    iE-Extensions                 ProtocolExtensionContainer { { DL-Timeslot-LCR-InformationModifyItem-PSCH-ReconfRqst-ExtIEs} }
    OPTIONAL,
    ...
}

DL-Timeslot-LCR-InformationModifyItem-PSCH-ReconfRqst-ExtIEs NBAP-PROTOCOL-EXTENSION ::= {
    ...
}

DL-Code-LCR-InformationModifyList-PSCH-ReconfRqst ::= SEQUENCE (SIZE (1..maxNrOfPDSCHs)) OF DL-Code-LCR-InformationModifyItem-PSCH-ReconfRqst

DL-Code-LCR-InformationModifyItem-PSCH-ReconfRqst ::= SEQUENCE {
    pDSCH-ID                      PDSCH-ID,
    tdd-ChannelisationCodeLCR     TDD-ChannelisationCodeLCR,
    iE-Extensions                 ProtocolExtensionContainer { { DL-Code-LCR-InformationModifyItem-PSCH-ReconfRqst-ExtIEs} }
    OPTIONAL,
    ...
}

DL-Code-LCR-InformationModifyItem-PSCH-ReconfRqst-ExtIEs NBAP-PROTOCOL-EXTENSION ::= {
    ...
}

PDSCHSets-DeleteList-PSCH-ReconfRqst ::= SEQUENCE (SIZE (1..maxNrOfPDSCHSets)) OF PDSCHSets-DeleteItem-PSCH-ReconfRqst

PDSCHSets-DeleteItem-PSCH-ReconfRqst ::= SEQUENCE {
    pDSCHSet-ID                  PDSCHSet-ID,
    iE-Extensions                 ProtocolExtensionContainer { {PDSCHSets-DeleteItem-PSCH-ReconfRqst-ExtIEs} }
    OPTIONAL,
    ...
}

PDSCHSets-DeleteItem-PSCH-ReconfRqst-ExtIEs NBAP-PROTOCOL-EXTENSION ::= {

```

```

}
...
}
PUSCHSets-AddList-PSCH-ReconfRqst ::= SEQUENCE (SIZE (1..maxNrOfPUSCHSets)) OF PUSCHSets-AddItem-PSCH-ReconfRqst
PUSCHSets-AddItem-PSCH-ReconfRqst ::= SEQUENCE {
    PUSCHSet-ID                PUSCHSet-ID,
    PUSCH-InformationList      PUSCH-Information-AddList-PSCH-ReconfRqst OPTIONAL,
    -- Mandatory for 3.84Mcps TDD, Not Applicable to 1.28Mcps TDD
    iE-Extensions              ProtocolExtensionContainer { {PUSCHSets-AddItem-PSCH-ReconfRqst-ExtIEs} } OPTIONAL,
    ...
}
PUSCHSets-AddItem-PSCH-ReconfRqst-ExtIEs NBAP-PROTOCOL-EXTENSION ::= {
    {ID id-PUSCH-AddInformation-LCR-PSCH-ReconfRqst CRITICALITY reject EXTENSION PUSCH-AddInformation-LCR-AddItem-PSCH-ReconfRqst
    PRESENCE optional}, -- Mandatory for 1.28Mcps TDD, Not Applicable to 3.84Mcps TDD
    ...
}
PUSCH-Information-AddList-PSCH-ReconfRqst ::= ProtocolIE-Single-Container {{ PUSCH-Information-AddListIEs-PSCH-ReconfRqst }}
PUSCH-Information-AddListIEs-PSCH-ReconfRqst NBAP-PROTOCOL-IES ::= {
    {ID id-PUSCH-Information-AddListIE-PSCH-ReconfRqst CRITICALITY reject TYPE PUSCH-Information-AddItem-PSCH-ReconfRqst PRESENCE
    mandatory}
}
PUSCH-Information-AddItem-PSCH-ReconfRqst ::= SEQUENCE {
    repetitionPeriod           RepetitionPeriod,
    repetitionLength           RepetitionLength,
    tdd-PhysicalChannelOffset  TDD-PhysicalChannelOffset,
    uL-Timeslot-InformationAddList-PSCH-ReconfRqst UL-Timeslot-InformationAddList-PSCH-ReconfRqst,
    iE-Extensions              ProtocolExtensionContainer { {PUSCH-Information-AddItem-PSCH-ReconfRqst-ExtIEs} } OPTIONAL,
    ...
}
PUSCH-Information-AddItem-PSCH-ReconfRqst-ExtIEs NBAP-PROTOCOL-EXTENSION ::= {
    ...
}
UL-Timeslot-InformationAddList-PSCH-ReconfRqst ::= SEQUENCE (SIZE (1..maxNrOfULTSs)) OF UL-Timeslot-InformationAddItem-PSCH-ReconfRqst
UL-Timeslot-InformationAddItem-PSCH-ReconfRqst ::= SEQUENCE {
    timeSlot                   TimeSlot,
    midambleShiftAndBurstType  MidambleShiftAndBurstType,
    tFCI-Presence              TFCI-Presence,
    uL-Code-InformationAddList-PSCH-ReconfRqst UL-Code-InformationAddList-PSCH-ReconfRqst,
    iE-Extensions              ProtocolExtensionContainer { { UL-Timeslot-InformationAddItem-PSCH-ReconfRqst-ExtIEs} } OPTIONAL,
    ...
}
UL-Timeslot-InformationAddItem-PSCH-ReconfRqst-ExtIEs NBAP-PROTOCOL-EXTENSION ::= {
    ...
}

```

```

UL-Code-InformationAddList-PSCH-ReconfRqst ::= SEQUENCE (SIZE (1..maxNrOfPUSCHs)) OF UL-Code-InformationAddItem-PSCH-ReconfRqst

UL-Code-InformationAddItem-PSCH-ReconfRqst ::= SEQUENCE {
    pUSCH-ID                PUSCH-ID,
    tdd-ChannelisationCode  TDD-ChannelisationCode,
    iE-Extensions           ProtocolExtensionContainer { { UL-Code-InformationAddItem-PSCH-ReconfRqst-ExtIEs} }    OPTIONAL,
    ...
}

UL-Code-InformationAddItem-PSCH-ReconfRqst-ExtIEs NBAP-PROTOCOL-EXTENSION ::= {
    ...
}

PUSCH-AddInformation-LCR-AddItem-PSCH-ReconfRqst ::= SEQUENCE {
    repetitionPeriod        RepetitionPeriod,
    repetitionLength        RepetitionLength,
    tdd-PhysicalChannelOffset TDD-PhysicalChannelOffset,
    uL-Timeslot-InformationAddList-LCR-PSCH-ReconfRqst    UL-Timeslot-InformationAddList-LCR-PSCH-ReconfRqst,
    iE-Extensions           ProtocolExtensionContainer { {PUSCH-AddInformation-LCR-AddItem-PSCH-ReconfRqst-ExtIEs} }    OPTIONAL,
    ...
}

PUSCH-AddInformation-LCR-AddItem-PSCH-ReconfRqst-ExtIEs NBAP-PROTOCOL-EXTENSION ::= {
    ...
}

UL-Timeslot-InformationAddList-LCR-PSCH-ReconfRqst ::= SEQUENCE (SIZE (1.. maxNrOfULTSLCRs)) OF UL-Timeslot-InformationAddItem-LCR-PSCH-ReconfRqst

UL-Timeslot-InformationAddItem-LCR-PSCH-ReconfRqst ::= SEQUENCE {
    timeSlotLCR            TimeSlotLCR,
    midambleShiftLCR      MidambleShiftLCR,
    tFCI-Presence          TFCI-Presence,
    uL-Code-InformationAddList-LCR-PSCH-ReconfRqst    UL-Code-InformationAddList-LCR-PSCH-ReconfRqst,
    iE-Extensions           ProtocolExtensionContainer { { UL-Timeslot-InformationAddItem-LCR-PSCH-ReconfRqst-ExtIEs} }    OPTIONAL,
    ...
}

UL-Timeslot-InformationAddItem-LCR-PSCH-ReconfRqst-ExtIEs NBAP-PROTOCOL-EXTENSION ::= {
    ...
}

UL-Code-InformationAddList-LCR-PSCH-ReconfRqst ::= SEQUENCE (SIZE (1..maxNrOfPUSCHs)) OF UL-Code-InformationAddItem-LCR-PSCH-ReconfRqst

UL-Code-InformationAddItem-LCR-PSCH-ReconfRqst ::= SEQUENCE {
    pUSCH-ID                PUSCH-ID,
    tdd-ChannelisationCodeLCR  TDD-ChannelisationCodeLCR,
    iE-Extensions           ProtocolExtensionContainer { { UL-Code-InformationAddItem-LCR-PSCH-ReconfRqst-ExtIEs} }    OPTIONAL,
    ...
}

UL-Code-InformationAddItem-LCR-PSCH-ReconfRqst-ExtIEs NBAP-PROTOCOL-EXTENSION ::= {
    ...
}

```

```

}

PUSCHSets-ModifyList-PSCH-ReconfRqst ::= SEQUENCE (SIZE (1..maxNrOfPUSCHSets)) OF PUSCHSets-ModifyItem-PSCH-ReconfRqst

PUSCHSets-ModifyItem-PSCH-ReconfRqst ::= SEQUENCE {
    PUSCHSet-ID                PUSCHSet-ID,
    PUSCH-InformationList      PUSCH-Information-ModifyList-PSCH-ReconfRqst,
    iE-Extensions              ProtocolExtensionContainer { {PUSCHSets-ModifyItem-PSCH-ReconfRqst-ExtIEs} } OPTIONAL,
    ...
}

PUSCHSets-ModifyItem-PSCH-ReconfRqst-ExtIEs NBAP-PROTOCOL-EXTENSION ::= {
    ...
}

PUSCH-Information-ModifyList-PSCH-ReconfRqst ::= ProtocolIE-Single-Container {{ PUSCH-Information-ModifyListIEs-PSCH-ReconfRqst }}

PUSCH-Information-ModifyListIEs-PSCH-ReconfRqst NBAP-PROTOCOL-IES ::= {
    {ID id-PUSCH-Information-ModifyListIE-PSCH-ReconfRqst CRITICALITY reject TYPE PUSCH-Information-ModifyItem-PSCH-ReconfRqst PRESENCE optional}|
    {ID id-PUSCH-ModifyInformation-LCR-PSCH-ReconfRqst CRITICALITY reject TYPE PUSCH-ModifyInformation-LCR-ModifyItem-PSCH-ReconfRqst PRESENCE optional}
}

PUSCH-Information-ModifyItem-PSCH-ReconfRqst ::= SEQUENCE {
    repetitionPeriod            RepetitionPeriod OPTIONAL,
    repetitionLength            RepetitionLength OPTIONAL,
    tdd-PhysicalChannelOffset   TDD-PhysicalChannelOffset OPTIONAL,
    uL-Timeslot-InformationModifyList-PSCH-ReconfRqst UL-Timeslot-InformationModifyList-PSCH-ReconfRqst OPTIONAL,
    iE-Extensions              ProtocolExtensionContainer { {PUSCH-Information-ModifyItem-PSCH-ReconfRqst-ExtIEs} } OPTIONAL,
    ...
}

PUSCH-Information-ModifyItem-PSCH-ReconfRqst-ExtIEs NBAP-PROTOCOL-EXTENSION ::= {
    ...
}

UL-Timeslot-InformationModifyList-PSCH-ReconfRqst ::= SEQUENCE (SIZE (1..maxNrOfULTSs)) OF UL-Timeslot-InformationModifyItem-PSCH-ReconfRqst

UL-Timeslot-InformationModifyItem-PSCH-ReconfRqst ::= SEQUENCE {
    timeSlot                    TimeSlot,
    midambleShiftAndBurstType   MidambleShiftAndBurstType OPTIONAL,
    tFCI-Presence               TFCI-Presence OPTIONAL,
    uL-Code-InformationModifyList-PSCH-ReconfRqst UL-Code-InformationModifyList-PSCH-ReconfRqst OPTIONAL,
    iE-Extensions              ProtocolExtensionContainer { { UL-Timeslot-InformationModifyItem-PSCH-ReconfRqst-ExtIEs} } OPTIONAL,
    ...
}

UL-Timeslot-InformationModifyItem-PSCH-ReconfRqst-ExtIEs NBAP-PROTOCOL-EXTENSION ::= {
    ...
}

UL-Code-InformationModifyList-PSCH-ReconfRqst ::= SEQUENCE (SIZE (1..maxNrOfPUSCHs)) OF UL-Code-InformationModifyItem-PSCH-ReconfRqst

```

```

UL-Code-InformationModifyItem-PSCH-ReconfRqst ::= SEQUENCE {
    pUSCH-ID                PUSCH-ID,
    tdd-ChannelisationCode  TDD-ChannelisationCode,
    iE-Extensions           ProtocolExtensionContainer { { UL-Code-InformationModifyItem-PSCH-ReconfRqst-ExtIEs} } OPTIONAL,
    ...
}

UL-Code-InformationModifyItem-PSCH-ReconfRqst-ExtIEs NBAP-PROTOCOL-EXTENSION ::= {
    ...
}

PUSCH-ModifyInformation-LCR-ModifyItem-PSCH-ReconfRqst ::= SEQUENCE {
    repetitionPeriod          RepetitionPeriod          OPTIONAL,
    repetitionLength          RepetitionLength          OPTIONAL,
    tdd-PhysicalChannelOffset  TDD-PhysicalChannelOffset OPTIONAL,
    uL-Timeslot-InformationModifyList-LCR-PSCH-ReconfRqst  UL-Timeslot-LCR-InformationModifyList-PSCH-ReconfRqst OPTIONAL,
    iE-Extensions             ProtocolExtensionContainer { {PUSCH-ModifyInformation-LCR-ModifyItem-PSCH-ReconfRqst-ExtIEs} }
    OPTIONAL,
    ...
}

PUSCH-ModifyInformation-LCR-ModifyItem-PSCH-ReconfRqst-ExtIEs NBAP-PROTOCOL-EXTENSION ::= {
    ...
}

UL-Timeslot-LCR-InformationModifyList-PSCH-ReconfRqst ::= SEQUENCE (SIZE (1..maxNrOfULTSLCRs)) OF UL-Timeslot-LCR-InformationModifyItem-PSCH-
ReconfRqst

UL-Timeslot-LCR-InformationModifyItem-PSCH-ReconfRqst ::= SEQUENCE {
    timeSlotLCR              TimeSlotLCR,
    midambleShiftLCR        MidambleShiftLCR          OPTIONAL,
    tFCI-Presence            TFCI-Presence            OPTIONAL,
    uL-Code-InformationModifyList-PSCH-ReconfRqst  UL-Code-InformationModifyList-PSCH-ReconfRqst          OPTIONAL,
    iE-Extensions           ProtocolExtensionContainer { { UL-Timeslot-LCR-InformationModifyItem-PSCH-ReconfRqst-ExtIEs} }
    OPTIONAL,
    ...
}

UL-Timeslot-LCR-InformationModifyItem-PSCH-ReconfRqst-ExtIEs NBAP-PROTOCOL-EXTENSION ::= {
    ...
}

UL-Code-LCR-InformationModifyList-PSCH-ReconfRqst ::= SEQUENCE (SIZE (1..maxNrOfPUSCHs)) OF UL-Code-LCR-InformationModifyItem-PSCH-ReconfRqst

UL-Code-LCR-InformationModifyItem-PSCH-ReconfRqst ::= SEQUENCE {
    pUSCH-ID                PUSCH-ID,
    tdd-ChannelisationCodeLCR  TDD-ChannelisationCodeLCR,
    iE-Extensions           ProtocolExtensionContainer { { UL-Code-LCR-InformationModifyItem-PSCH-ReconfRqst-ExtIEs} }          OPTIONAL,
    ...
}

UL-Code-LCR-InformationModifyItem-PSCH-ReconfRqst-ExtIEs NBAP-PROTOCOL-EXTENSION ::= {

```

```

}
...
}
PUSCHSets-DeleteList-PSCH-ReconfRqst ::= SEQUENCE (SIZE (1..maxNrOfPUSCHSets)) OF PUSCHSets-DeleteItem-PSCH-ReconfRqst

PUSCHSets-DeleteItem-PSCH-ReconfRqst ::= SEQUENCE {
    PUSCHSet-ID                PUSCHSet-ID,
    iE-Extensions              ProtocolExtensionContainer { {PUSCHSets-DeleteItem-PSCH-ReconfRqst-ExtIEs} } OPTIONAL,
    ...
}

PUSCHSets-DeleteItem-PSCH-ReconfRqst-ExtIEs NBAP-PROTOCOL-EXTENSION ::= {
    ...
}

HS-PDSCH-TDD-Information-PSCH-ReconfRqst ::= SEQUENCE {
    dL-HS-PDSCH-Timeslot-Information-PSCH-ReconfRqst          DL-HS-PDSCH-Timeslot-Information-PSCH-ReconfRqst OPTIONAL,
    dL-HS-PDSCH-Timeslot-Information-LCR-PSCH-ReconfRqst      DL-HS-PDSCH-Timeslot-Information-LCR-PSCH-ReconfRqst OPTIONAL,
    iE-Extensions              ProtocolExtensionContainer { { HS-PDSCH-TDD-Information-PSCH-ReconfRqst-ExtIEs} } OPTIONAL,
    ...
}

HS-PDSCH-TDD-Information-PSCH-ReconfRqst-ExtIEs NBAP-PROTOCOL-EXTENSION ::= {
    ...
}

DL-HS-PDSCH-Timeslot-Information-PSCH-ReconfRqst ::= SEQUENCE (SIZE (1..maxNrOfDLTSS)) OF DL-HS-PDSCH-Timeslot-InformationItem-PSCH-ReconfRqst

DL-HS-PDSCH-Timeslot-InformationItem-PSCH-ReconfRqst ::= SEQUENCE {
    timeSlot                TimeSlot,
    midambleShiftAndBurstType MidambleShiftAndBurstType,
    dL-HS-PDSCH-Codelist-PSCH-ReconfRqst DL-HS-PDSCH-Codelist-PSCH-ReconfRqst,
    maxHSDSCH-HSSCCH-Power MaximumTransmissionPower OPTIONAL,
    iE-Extensions              ProtocolExtensionContainer { { DL-HS-PDSCH-Timeslot-InformationItem-PSCH-ReconfRqst-ExtIEs} } OPTIONAL,
    ...
}

DL-HS-PDSCH-Timeslot-InformationItem-PSCH-ReconfRqst-ExtIEs NBAP-PROTOCOL-EXTENSION ::= {
    ...
}

DL-HS-PDSCH-Codelist-PSCH-ReconfRqst ::= SEQUENCE (SIZE (1..maxNrOfHSPDSCHs)) OF TDD-ChannelisationCode

DL-HS-PDSCH-Timeslot-Information-LCR-PSCH-ReconfRqst ::= SEQUENCE (SIZE (1..maxNrOfDLTSLCRs)) OF DL-HS-PDSCH-Timeslot-InformationItem-LCR-PSCH-ReconfRqst

DL-HS-PDSCH-Timeslot-InformationItem-LCR-PSCH-ReconfRqst ::= SEQUENCE {
    timeSlot                TimeSlotLCR,
    midambleShiftAndBurstType MidambleShiftLCR,
    dL-HS-PDSCH-Codelist-LCR-PSCH-ReconfRqst DL-HS-PDSCH-Codelist-LCR-PSCH-ReconfRqst,
    maxHSDSCH-HSSCCH-Power MaximumTransmissionPower OPTIONAL,
}

```



```

    iE-Extensions
    OPTIONAL,
    ...
}

DL-HS-PDSCH-Timeslot-InformationItem-LCR-PSCH-ReconfRqst-ExtIEs NBAP-PROTOCOL-EXTENSION ::= {
    ...
}

DL-HS-PDSCH-Codelist-LCR-PSCH-ReconfRqst ::= SEQUENCE (SIZE (1..maxNrOfHSPDSCHs)) OF TDD-ChannelisationCode

Add-To-HS-SCCH-Resource-Pool-PSCH-ReconfRqst ::= SEQUENCE {
    hS-SCCH-Information-PSCH-ReconfRqst      HS-SCCH-Information-PSCH-ReconfRqst      OPTIONAL,
    hS-SCCH-Information-LCR-PSCH-ReconfRqst  HS-SCCH-Information-LCR-PSCH-ReconfRqst  OPTIONAL,
    iE-Extensions                            ProtocolExtensionContainer { { Add-To-HS-SCCH-Resource-Pool-PSCH-ReconfRqst-ExtIEs } }  OPTIONAL,
    ...
}

Add-To-HS-SCCH-Resource-Pool-PSCH-ReconfRqst-ExtIEs NBAP-PROTOCOL-EXTENSION ::= {
    ...
}

HS-SCCH-Information-PSCH-ReconfRqst ::= SEQUENCE (SIZE (1..maxNrOfHSSCCHs)) OF HS-SCCH-InformationItem-PSCH-ReconfRqst

HS-SCCH-InformationItem-PSCH-ReconfRqst ::= SEQUENCE {
    hS-SCCH-ID                HS-SCCH-ID,
    timeSlot                  TimeSlot,
    midambleShiftAndBurstType MidambleShiftAndBurstType,
    tdd-ChannelisationCode    TDD-ChannelisationCode,
    hS-SCCH-MaxPower          DL-Power,
    hS-SICH-Information        HS-SICH-Information-PSCH-ReconfRqst,
    iE-Extensions             ProtocolExtensionContainer { { HS-SCCH-InformationItem-PSCH-ReconfRqst-ExtIEs } }  OPTIONAL,
    ...
}

HS-SCCH-InformationItem-PSCH-ReconfRqst-ExtIEs NBAP-PROTOCOL-EXTENSION ::= {
    ...
}

HS-SICH-Information-PSCH-ReconfRqst ::= SEQUENCE {
    hsSICH-ID                HS-SICH-ID,
    timeSlot                  TimeSlot,
    midambleShiftAndBurstType MidambleShiftAndBurstType,
    tdd-ChannelisationCode    TDD-ChannelisationCode,
    iE-Extensions             ProtocolExtensionContainer { { HS-SICH-Information-PSCH-ReconfRqst-ExtIEs } }  OPTIONAL,
    ...
}

HS-SICH-Information-PSCH-ReconfRqst-ExtIEs NBAP-PROTOCOL-EXTENSION ::= {
    ...
}

HS-SCCH-Information-LCR-PSCH-ReconfRqst ::= SEQUENCE (SIZE (1..maxNrOfHSSCCHs)) OF HS-SCCH-InformationItem-LCR-PSCH-ReconfRqst

```

```

HS-SCCH-InformationItem-LCR-PSCH-ReconfRqst ::= SEQUENCE {
    hS-SCCH-ID                HS-SCCH-ID,
    timeSlotLCR                TimeSlotLCR,
    midambleShiftLCR           MidambleShiftLCR,
    first-TDD-ChannelisationCode TDD-ChannelisationCode,
    second-TDD-ChannelisationCode TDD-ChannelisationCode,
    hS-SCCH-MaxPower           DL-Power,
    hS-SICH-Information-LCR     HS-SICH-Information-LCR-PSCH-ReconfRqst,
    iE-Extensions              ProtocolExtensionContainer { { HS-SCCH-InformationItem-LCR-PSCH-ReconfRqst-ExtIEs} } OPTIONAL,
    ...
}

```

```

HS-SCCH-InformationItem-LCR-PSCH-ReconfRqst-ExtIEs NBAP-PROTOCOL-EXTENSION ::= {
    ...
}

```

```

HS-SICH-Information-LCR-PSCH-ReconfRqst ::= SEQUENCE {
    hsSICH-ID                HS-SICH-ID,
    timeSlotLCR                TimeSlotLCR,
    midambleShiftLCR           MidambleShiftLCR,
    tdd-ChannelisationCode     TDD-ChannelisationCode,
    iE-Extensions              ProtocolExtensionContainer { { HS-SICH-Information-LCR-PSCH-ReconfRqst-ExtIEs} } OPTIONAL,
    ...
}

```

```

HS-SICH-Information-LCR-PSCH-ReconfRqst-ExtIEs NBAP-PROTOCOL-EXTENSION ::= {
    ...
}

```

```

Modify-HS-SCCH-Resource-Pool-PSCH-ReconfRqst ::= SEQUENCE {
    hS-SCCH-InformationModify-PSCH-ReconfRqst HS-SCCH-InformationModify-PSCH-ReconfRqst OPTIONAL,
    hS-SCCH-InformationModify-LCR-PSCH-ReconfRqst HS-SCCH-InformationModify-LCR-PSCH-ReconfRqst OPTIONAL,
    iE-Extensions              ProtocolExtensionContainer { { Modify-HS-SCCH-Resource-Pool-PSCH-ReconfRqst-ExtIEs} } OPTIONAL,
    ...
}

```

```

Modify-HS-SCCH-Resource-Pool-PSCH-ReconfRqst-ExtIEs NBAP-PROTOCOL-EXTENSION ::= {
    ...
}

```

```

HS-SCCH-InformationModify-PSCH-ReconfRqst ::= SEQUENCE (SIZE (1..maxNrOfHSSCCHs)) OF HS-SCCH-InformationModifyItem-PSCH-ReconfRqst

```

```

HS-SCCH-InformationModifyItem-PSCH-ReconfRqst ::= SEQUENCE {
    hS-SCCH-ID                HS-SCCH-ID,
    timeSlot                    TimeSlot OPTIONAL,
    midambleShiftAndBurstType   MidambleShiftAndBurstType OPTIONAL,
    tdd-ChannelisationCode     TDD-ChannelisationCode OPTIONAL,
    hS-SCCH-MaxPower           DL-Power OPTIONAL,
    hS-SICH-Information         HS-SICH-InformationModify-PSCH-ReconfRqst OPTIONAL,
    iE-Extensions              ProtocolExtensionContainer { { HS-SCCH-InformationModifyItem-PSCH-ReconfRqst-ExtIEs} } OPTIONAL,
    ...
}

```

```

}

HS-SCCH-InformationModifyItem-PSCH-ReconfRqst-ExtIEs  NBAP-PROTOCOL-EXTENSION ::= {
  ...
}

HS-SICH-InformationModify-PSCH-ReconfRqst ::= SEQUENCE {
  hsSICH-ID           HS-SICH-ID,
  timeSlot            TimeSlot    OPTIONAL,
  midambleShiftAndBurstType  MidambleShiftAndBurstType  OPTIONAL,
  tdd-ChannelisationCode  TDD-ChannelisationCode  OPTIONAL,
  iE-Extensions       ProtocolExtensionContainer { { HS-SICH-InformationModify-PSCH-ReconfRqst-ExtIEs } }  OPTIONAL,
  ...
}

HS-SICH-InformationModify-PSCH-ReconfRqst-ExtIEs  NBAP-PROTOCOL-EXTENSION ::= {
  ...
}

HS-SCCH-InformationModify-LCR-PSCH-ReconfRqst ::= SEQUENCE (SIZE (1..maxNrOfHSSCCHs)) OF HS-SCCH-InformationModifyItem-LCR-PSCH-ReconfRqst

HS-SCCH-InformationModifyItem-LCR-PSCH-ReconfRqst ::= SEQUENCE {
  hS-SCCH-ID           HS-SCCH-ID,
  timeSlotLCR          TimeSlotLCR    OPTIONAL,
  midambleShiftLCR     MidambleShiftLCR  OPTIONAL,
  first-TDD-ChannelisationCode  TDD-ChannelisationCode  OPTIONAL,
  second-TDD-ChannelisationCode  TDD-ChannelisationCode  OPTIONAL,
  hS-SCCH-MaxPower     DL-Power    OPTIONAL,
  HS-SICH-Information-LCR  HS-SICH-InformationModify-LCR-PSCH-ReconfRqst  OPTIONAL,
  iE-Extensions       ProtocolExtensionContainer { { HS-SCCH-InformationModifyItem-LCR-PSCH-ReconfRqst-ExtIEs } }  OPTIONAL,
  ...
}

HS-SCCH-InformationModifyItem-LCR-PSCH-ReconfRqst-ExtIEs  NBAP-PROTOCOL-EXTENSION ::= {
  ...
}

HS-SICH-InformationModify-LCR-PSCH-ReconfRqst ::= SEQUENCE {
  hsSICH-ID           HS-SICH-ID,
  timeSlotLCR          TimeSlotLCR    OPTIONAL,
  midambleShiftLCR     MidambleShiftLCR  OPTIONAL,
  tdd-ChannelisationCode  TDD-ChannelisationCode  OPTIONAL,
  iE-Extensions       ProtocolExtensionContainer { { HS-SICH-InformationModify-LCR-PSCH-ReconfRqst-ExtIEs } }  OPTIONAL,
  ...
}

HS-SICH-InformationModify-LCR-PSCH-ReconfRqst-ExtIEs  NBAP-PROTOCOL-EXTENSION ::= {
  ...
}

Delete-From-HS-SCCH-Resource-Pool-PSCH-ReconfRqst ::= SEQUENCE (SIZE (1..maxNrOfHSSCCHs)) OF Delete-From-HS-SCCH-Resource-PoolItem-PSCH-ReconfRqst

Delete-From-HS-SCCH-Resource-PoolItem-PSCH-ReconfRqst ::= SEQUENCE {

```

```

    hS-SCCH-ID          HS-SCCH-ID,
    iE-Extensions       ProtocolExtensionContainer { { Delete-From-HS-SCCH-Resource-PoolItem-PSCH-ReconfRqst-ExtIEs} }
    OPTIONAL,
    ...
}

Delete-From-HS-SCCH-Resource-PoolItem-PSCH-ReconfRqst-ExtIEs  NBAP-PROTOCOL-EXTENSION ::= {
    ...
}

```

/* partly omitted */

```

-- *****
--
-- CELL SYNCHRONISATION RECONFIGURATION REQUEST TDD
--
-- *****

CellSynchronisationReconfigurationRequestTDD ::= SEQUENCE {
    protocolIEs          ProtocolIE-Container    {{CellSynchronisationReconfigurationRequestTDD-IEs}},
    protocolExtensions  ProtocolExtensionContainer {{CellSynchronisationReconfigurationRequestTDD-Extensions}}  OPTIONAL,
    ...
}

CellSynchronisationReconfigurationRequestTDD-Extensions NBAP-PROTOCOL-EXTENSION ::= {
    { ID id-NSubCyclesPerCyclePeriod-CellSyncReconfRqstTDD          CRITICALITY reject  EXTENSION          NSubCyclesPerCyclePeriod
      PRESENCE optional }| -- Applicable to 1.28Mcps TDD only
    { ID id-SYNCD1CodeIdTransReconfInfoLCR-CellSyncReconfRqstTDD  CRITICALITY reject  EXTENSION          SYNCD1CodeIdTransReconfInfoLCR-
      PRESENCE optional }| -- Applicable to 1.28Mcps TDD only
    { ID id-SYNCD1CodeIdMeasReconfigurationLCR-CellSyncReconfRqstTDD  CRITICALITY reject  EXTENSION          SYNCD1CodeIdMeasInfoLCR-
      PRESENCE optional }, -- Applicable to 1.28Mcps TDD only
    ...
}

CellSynchronisationReconfigurationRequestTDD-IEs NBAP-PROTOCOL-IES ::= {
    { ID id-C-ID          CRITICALITY reject  TYPE  C-ID          PRESENCE  mandatory
    }|
    { ID id-TimeSlot      CRITICALITY reject  TYPE  TimeSlot      PRESENCE  mandatory }|
    -- Applicable to 3.84Mcps TDD only. For 1.28Mcps TDD, the CRNC should set this to 0 and the Node B shall ignore it.
    { ID id-NCyclesPerSFNperiod  CRITICALITY reject  TYPE  NCyclesPerSFNperiod  PRESENCE  mandatory }|
    { ID id-NRepetitionsPerCyclePeriod  CRITICALITY reject  TYPE  NRepetitionsPerCyclePeriod  PRESENCE  mandatory }|
    { ID id-CellSyncBurstTransReconfInfo-CellSyncReconfRqstTDD  CRITICALITY reject  TYPE
      CellSyncBurstTransReconfInfo-CellSyncReconfRqstTDD  PRESENCE optional }| -- Applicable to 3.84Mcps TDD only
    { ID id-CellSyncBurstMeasReconfiguration-CellSyncReconfRqstTDD  CRITICALITY reject  TYPE  CellSyncBurstMeasInfo-
      CellSyncReconfRqstTDD  PRESENCE optional }, -- Applicable to 3.84Mcps TDD only
    ...
}

```

CellSyncBurstTransReconfInfo-CellSyncReconfRqstTDD ::= SEQUENCE (SIZE (1.. maxNrOfCellSyncBursts)) OF CellSyncBurstTransInfoItem-CellSyncReconfRqstTDD

```
CellSyncBurstTransInfoItem-CellSyncReconfRqstTDD ::= SEQUENCE {
  cSBTransmissionID          CSBTransmissionID,
  syncFrameNumberToTransmit  SyncFrameNumber,
  cellSyncBurstCode          CellSyncBurstCode          OPTIONAL,
  cellSyncBurstCodeShift    CellSyncBurstCodeShift    OPTIONAL,
  dlTransPower              DL-Power                  OPTIONAL,
  iE-Extensions             ProtocolExtensionContainer { { CellSyncBurstTransInfoItem-CellSyncReconfRqstTDD-ExtIEs} }
  OPTIONAL,
  ...
}
```

```
CellSyncBurstTransInfoItem-CellSyncReconfRqstTDD-ExtIEs NBAP-PROTOCOL-EXTENSION ::= {
  ...
}
```

```
CellSyncBurstMeasInfo-CellSyncReconfRqstTDD ::= SEQUENCE {
  cellSyncBurstMeasInfoList-CellSyncReconfRqstTDD  CellSyncBurstMeasInfoList-CellSyncReconfRqstTDD,
  synchronisationReportType                        SynchronisationReportTypeIE          OPTIONAL,
  synchronisationReportCharacteristics             SynchronisationReportCharacteristicsIE OPTIONAL,
  iE-Extensions                                   ProtocolExtensionContainer { { SYNCd1CodeIdMeasInfoLCR-CellSyncReconfRqstTDD-ExtIEs} }
  OPTIONAL,
  ...
}
```

```
SYNCd1CodeIdMeasInfoLCR-CellSyncReconfRqstTDD-ExtIEs NBAP-PROTOCOL-EXTENSION ::= {
  ...
}
```

```
CellSyncBurstMeasInfoList-CellSyncReconfRqstTDD ::= ProtocolIE-Single-Container {{ CellSyncBurstMeasInfoListIEs-CellSyncReconfRqstTDD }}
```

```
CellSyncBurstMeasInfoListIEs-CellSyncReconfRqstTDD NBAP-PROTOCOL-IES ::= {
  { ID id-CellSyncBurstMeasInfoList-CellSyncReconfRqstTDD  CRITICALITY reject  TYPE CellSyncBurstMeasInfoListIE-CellSyncReconfRqstTDD
  PRESENCE mandatory }
}
```

```
SynchronisationReportTypeIE ::= ProtocolIE-Single-Container {{ SynchronisationReportTypeIEs }}
```

```
SynchronisationReportTypeIEs NBAP-PROTOCOL-IES ::= {
  { ID id-SynchronisationReportType  CRITICALITY reject  TYPE SynchronisationReportType  PRESENCE
  mandatory }
}
```

```
SynchronisationReportCharacteristicsIE ::= ProtocolIE-Single-Container {{ SynchronisationReportCharacteristicsIEs }}
```

```
SynchronisationReportCharacteristicsIEs NBAP-PROTOCOL-IES ::= {
  { ID id-SynchronisationReportCharacteristics  CRITICALITY reject  TYPE SynchronisationReportCharacteristics  PRESENCE mandatory }
}
```

CellSyncBurstMeasInfoListIE-CellSyncReconfRqstTDD ::= SEQUENCE (SIZE (1.. maxNrOfCellSyncBursts)) OF CellSyncBurstMeasInfoItem-CellSyncReconfRqstTDD

```
CellSyncBurstMeasInfoItem-CellSyncReconfRqstTDD ::= SEQUENCE {
    syncFrameNrToReceive          SyncFrameNumber,
    syncBurstInfo                CellSyncBurstInfoList-CellSyncReconfRqstTDD,
    iE-Extensions                ProtocolExtensionContainer { { CellSyncBurstMeasInfoItem-CellSyncReconfRqstTDD-ExtIEs} } OPTIONAL,
    ...
}
```

```
CellSyncBurstMeasInfoItem-CellSyncReconfRqstTDD-ExtIEs NBAP-PROTOCOL-EXTENSION ::= {
    ...
}
```

CellSyncBurstInfoList-CellSyncReconfRqstTDD ::= SEQUENCE (SIZE (1..maxNrOfReceptsPerSyncFrame)) OF CellSyncBurstInfoItem-CellSyncReconfRqstTDD

```
CellSyncBurstInfoItem-CellSyncReconfRqstTDD ::= SEQUENCE {
    cSBMeasurementID            CSBMeasurementID,
    cellSyncBurstCode          CellSyncBurstCode,
    cellSyncBurstCodeShift    CellSyncBurstCodeShift,
    iE-Extensions              ProtocolExtensionContainer { { CellSyncBurstMeasInfo-CellSyncReconfRqstTDD-ExtIEs} } OPTIONAL,
    ...
}
```

```
CellSyncBurstMeasInfo-CellSyncReconfRqstTDD-ExtIEs NBAP-PROTOCOL-EXTENSION ::= {
    ...
}
```

SYNCD1CodeIdTransReconfInfoLCR-CellSyncReconfRqstTDD ::= SEQUENCE (SIZE (1..maxNrOfSyncFramesLCR)) OF SYNCD1CodeIdTransReconfItemLCR-CellSyncReconfRqstTDD

```
SYNCD1CodeIdTransReconfItemLCR-CellSyncReconfRqstTDD ::= SEQUENCE {
    cSBTransmissionID          CSBTransmissionID,
    syncFrameNumberforTransmit SyncFrameNumber,
    uARFCN                    UARFCN,
    sYNCD1CodeId              SYNCD1CodeId OPTIONAL,
    dwPCH-Power               DwPCH-Power OPTIONAL,
    iE-Extensions              ProtocolExtensionContainer { { SYNCD1CodeIdTransReconfInfoLCR-CellSyncReconfRqstTDD-ExtIEs} } OPTIONAL,
    ...
}
```

```
SYNCD1CodeIdTransReconfInfoLCR-CellSyncReconfRqstTDD-ExtIEs NBAP-PROTOCOL-EXTENSION ::= {
    ...
}
```

```
SYNCD1CodeIdMeasInfoLCR-CellSyncReconfRqstTDD NBAP-PROTOCOL-IES ::= SEQUENCE {
  { ID-id SYNCD1CodeIdMeasInfoList-CellSyncReconfRqstTDD CRITICALITY reject TYPE SYNCD1CodeIdMeasInfoList-CellSyncReconfRqstTDD PRESENCE
  mandatory }+
  { ID-id SynchronisationReportType CRITICALITY reject TYPE SynchronisationReportType PRESENCE
  optional }+
  { ID-id SynchronisationReportCharacteristics CRITICALITY reject TYPE SynchronisationReportCharacteristics PRESENCE optional }+,
  sYNCD1CodeIdMeasInfoList          SYNCD1CodeIdMeasInfoList-CellSyncReconfRqstTDD,
```

```

synchronisationReportType SynchronisationReportType OPTIONAL,
synchronisationReportCharacteristics SynchronisationReportCharacteristics OPTIONAL,
iE-Extensions ProtocolExtensionContainer { { SYNCd1CodeIdMeasInfoLCR-CellSyncReconfRqstTDD-ExtIEs } } OPTIONAL,

```

```

...
}

```

```

SYNCd1CodeIdMeasInfoLCR-CellSyncReconfRqstTDD-ExtIEs NBAP-PROTOCOL-EXTENSION ::= {

```

```

...
}

```

```

SYNCd1CodeIdMeasInfoList-CellSyncReconfRqstTDD ::= SEQUENCE (SIZE (1.. maxNrOfSyncDLCodesLCR)) OF SYNCd1CodeIdMeasInfoItem-CellSyncReconfRqstTDD

```

```

SYNCd1CodeIdMeasInfoItem-CellSyncReconfRqstTDD ::= SEQUENCE {
    syncFrameNrToReceive          SyncFrameNumber,
    syncd1CodeIdInfoLCR          SYNCd1CodeIdInfoListLCR-CellSyncReconfRqstTDD,
    iE-Extensions                ProtocolExtensionContainer { { SYNCd1CodeIdMeasInfoItem-CellSyncReconfRqstTDD-ExtIEs } } OPTIONAL,
    ...
}

```

```

SYNCd1CodeIdMeasInfoItem-CellSyncReconfRqstTDD-ExtIEs NBAP-PROTOCOL-EXTENSION ::= {

```

```

...
}

```

```

SYNCd1CodeIdInfoListLCR-CellSyncReconfRqstTDD ::= SEQUENCE (SIZE (1.. maxNrOfReceptionsperSyncFrameLCR)) OF SYNCd1CodeIdInfoItemLCR-CellSyncReconfRqstTDD

```

```

SYNCd1CodeIdInfoItemLCR-CellSyncReconfRqstTDD ::= SEQUENCE {
    cSBMeasurementID             CSBMeasurementID,
    syncd1CodeId                 SYNCd1CodeId,
    uARFCN                       UARFCN,
    propagationDelayCompensation TimingAdjustmentValueLCR OPTIONAL,
    iE-Extensions                ProtocolExtensionContainer { { SYNCd1CodeIdInfoLCR-CellSyncReconfRqstTDD-ExtIEs } } OPTIONAL,
    ...
}

```

```

SYNCd1CodeIdInfoLCR-CellSyncReconfRqstTDD-ExtIEs NBAP-PROTOCOL-EXTENSION ::= {

```

```

...
}

```

```

/* partly omitted */

```

```

-- *****
--
-- CELL SYNCHRONISATION REPORT TDD
--
-- *****

```

```

CellSynchronisationReportTDD ::= SEQUENCE {
    protocolIEs          ProtocolIE-Container {{CellSynchronisationReportTDD-IEs}},
    protocolExtensions  ProtocolExtensionContainer {{CellSynchronisationReportTDD-Extensions}} OPTIONAL,
    ...
}

```

```

CellSynchronisationReportTDD-Extensions NBAP-PROTOCOL-EXTENSION ::= {
  ...
}

CellSynchronisationReportTDD-IEs NBAP-PROTOCOL-IES ::= {
  { ID id-CellSyncInfo-CellSyncReprtTDD CRITICALITY ignore TYPE CellSyncInfo-CellSyncReprtTDD PRESENCE mandatory },
  ...
}

CellSyncInfo-CellSyncReprtTDD ::= SEQUENCE (SIZE (1..maxCellinNodeB)) OF CellSyncInfoItemIE-CellSyncReprtTDD

CellSyncInfoItemIE-CellSyncReprtTDD ::= SEQUENCE {
  c-ID-CellSyncReprtTDD C-ID-IE-CellSyncReprtTDD,
  syncReportType-CellSyncReprtTDD SyncReportTypeIE-CellSyncReprtTDD OPTIONAL,
  ...
}

C-ID-IE-CellSyncReprtTDD ::= ProtocolIE-Single-Container {{ C-ID-IEs-CellSyncReprtTDD }}

C-ID-IEs-CellSyncReprtTDD NBAP-PROTOCOL-IES ::= {
  { ID id-C-ID CRITICALITY ignore TYPE C-ID
    PRESENCE mandatory}
}

SyncReportTypeIE-CellSyncReprtTDD ::= ProtocolIE-Single-Container {{ SyncReportTypeIEs-CellSyncReprtTDD }}

SyncReportTypeIEs-CellSyncReprtTDD NBAP-PROTOCOL-IES ::= {
  { ID id-SyncReportType-CellSyncReprtTDD CRITICALITY ignore TYPE SyncReportType-CellSyncReprtTDD PRESENCE mandatory}
}

SyncReportType-CellSyncReprtTDD ::= CHOICE {
  intStdPhCellSyncInfo-CellSyncReprtTDD IntStdPhCellSyncInfo-CellSyncReprtTDD,
  lateEntrantCell NULL,
  frequencyAcquisition NULL,
  ...
}

IntStdPhCellSyncInfo-CellSyncReprtTDD ::= SEQUENCE {
  cellSyncBurstMeasuredInfo CellSyncBurstMeasInfoList-CellSyncReprtTDD,
  iE-Extensions ProtocolExtensionContainer { { IntStdPhCellSyncInfoList-CellSyncReprtTDD-ExtIEs } } OPTIONAL,
  ...
}

IntStdPhCellSyncInfoList-CellSyncReprtTDD-ExtIEs NBAP-PROTOCOL-EXTENSION ::= {
  { ID id-AccumulatedClockupdate-CellSyncReprtTDD CRITICALITY ignore EXTENSION TimingAdjustmentValue PRESENCE optional }|
  { ID id-SyncDLCodeIdsMeasInfoList-CellSyncReprtTDD CRITICALITY ignore EXTENSION SyncDLCodeIdsMeasInfoList-CellSyncReprtTDD PRESENCE
optional }, -- Mandatory for 1.28Mcps TDD. Not Applicable to 3.84Mcps TDD.
  ...
}

```


CellSyncBurstMeasInfoList-CellSyncReprtTDD ::= SEQUENCE (SIZE (0..maxNrOfCellSyncBursts)) OF CellSyncBurstMeasInfoItem-CellSyncReprtTDD ---
Mandatory for 3.84Mcps TDD. Not Applicable to 1.28Mcps TDD.

```
CellSyncBurstMeasInfoItem-CellSyncReprtTDD ::= SEQUENCE {
    sFN                               SFN,
    cellSyncBurstInfo-CellSyncReprtTDD SEQUENCE (SIZE (1..maxNrOfReceptsPerSyncFrame)) OF CellSyncBurstInfo-CellSyncReprtTDD,
    iE-Extensions                     ProtocolExtensionContainer { { CellSyncBurstMeasInfoItem-CellSyncReprtTDD-ExtIEs } } OPTIONAL,
    ...
}
```

```
CellSyncBurstMeasInfoItem-CellSyncReprtTDD-ExtIEs NBAP-PROTOCOL-EXTENSION ::= {
    ...
}
```

```
CellSyncBurstInfo-CellSyncReprtTDD ::= CHOICE {
    cellSyncBurstAvailable      CellSyncBurstAvailable-CellSyncReprtTDD,
    cellSyncBurstNotAvailable  NULL,
    ...
}
```

```
CellSyncBurstAvailable-CellSyncReprtTDD ::= SEQUENCE {
    cellSyncBurstTiming      CellSyncBurstTiming,
    cellSyncBurstSIR         CellSyncBurstSIR,
    iE-Extensions            ProtocolExtensionContainer { { CellSyncBurstAvailable-CellSyncReprtTDD-ExtIEs } } OPTIONAL,
    ...
}
```

```
CellSyncBurstAvailable-CellSyncReprtTDD-ExtIEs NBAP-PROTOCOL-EXTENSION ::= {
    ...
}
```

SyncDLCodeIdsMeasInfoList-CellSyncReprtTDD ::= SEQUENCE (SIZE (0..maxNrOfSyncFramesLCR)) OF SyncDLCodeIdsMeasInfoItem-CellSyncReprtTDD
-- Mandatory for 1.28Mcps TDD. Not Applicable to 3.84Mcps TDD.

```
SyncDLCodeIdsMeasInfoItem-CellSyncReprtTDD ::= SEQUENCE {
    sFN                               SFN,
    syncDLCodeIdInfo-CellSyncReprtTDD SyncDLCodeIdInfo-CellSyncReprtTDD,
    iE-Extensions                     ProtocolExtensionContainer { { SyncDLCodeIdsMeasInfoItem-CellSyncReprtTDD-ExtIEs } } OPTIONAL,
    ...
}
```

```
SyncDLCodeIdsMeasInfoItem-CellSyncReprtTDD-ExtIEs NBAP-PROTOCOL-EXTENSION ::= {
    ...
}
```

SyncDLCodeIdInfo-CellSyncReprtTDD ::= SEQUENCE (SIZE (1..maxNrOfReceptionsperSyncFrameLCR)) OF SyncDLCodeIdItem-CellSyncReprtTDD

```
SyncDLCodeIdItem-CellSyncReprtTDD ::= CHOICE {
    syncDLCodeIdAvailable      SyncDLCodeIdAvailable-CellSyncReprtTDD,
    syncDLCodeIDNotAvailable  NULL,
    ...
}
```

```

SyncDLCodeIdAvailable-CellSyncReprtTDD ::= SEQUENCE {
    syncDLCodeIdTiming          CellSyncBurstTimingLCR,
    syncDLCodeIdSIR             CellSyncBurstSIR,
    iE-Extensions               ProtocolExtensionContainer { { SyncDLCodeIdAvailable-CellSyncReprtTDD-ExtIEs } } OPTIONAL,
    ...
}

SyncDLCodeIdAvailable-CellSyncReprtTDD-ExtIEs NBAP-PROTOCOL-EXTENSION ::= {
    ...
}

```

/* partly omitted */

9.3.4 Information Elements Definitions

/* partly omitted */

```

-- =====
-- S
-- =====

```

/* partly omitted */

```

MaxAdjustmentStep          ::= INTEGER(1..10)
-- Unit Slot

```

```

| SchedulingPriorityIndicator          ::= INTEGER (0..15)      --- lowest (0), highest (15)

```

```

SID ::= INTEGER (0..maxNrOfMACdPDUIndexes-1)

```

/* partly omitted */

```

SyncFrameNumber ::= INTEGER (1..10)

```

```

SynchronisationReportCharacteristics ::= SEQUENCE {
    synchronisationReportCharacteristicsType      SynchronisationReportCharacteristicsType,
    synchronisationReportCharactThreExc          SynchronisationReportCharactThreExc OPTIONAL,
    -- This IE shall be included if the synchronisationReportCharacteristicsType IE is set to "thresholdExceeding".
    iE-Extensions                                ProtocolExtensionContainer { { SynchronisationReportCharacteristics-ExtIEs } } OPTIONAL,
    ...
}

```

```

SynchronisationReportCharacteristics-ExtIEs NBAP-PROTOCOL-EXTENSION ::= {
    { ID id-SyncDLCodeIdThreInfoLCR CRITICALITY ignore EXTENSION SyncDLCodeIdThreInfoLCR PRESENCE optional },
    ...
}

```

```

| SynchronisationReportCharactThreExc ::= SEQUENCE (SIZE (1..maxNrOfCellSyncBursts)) OF SynchronisationReportCharactThreInfoItem --- Mandatory
for 3.84Mcps TDD only. Not Applicable to 1.28Mcps TDD.

```

/* partly omitted */

CHANGE REQUEST

25.433 CR 974 # rev - # Current version: 6.0.0

For **HELP** 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 Radio Access Network Core Network

Title:	# NBAP Corrections for TDD		
Source:	# RAN3		
Work item code:	# TEI5	Date:	# 16/02/2004
Category:	# A	Release:	# Rel-6
	Use <u>one</u> of the following categories: F (correction) A (corresponds to a correction in an earlier release) B (addition of feature), C (functional modification of feature) D (editorial modification) Detailed explanations of the above categories can be found in 3GPP TR 21.900 .		Use <u>one</u> 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:	# The SYNCDCIcodeIdMeasInfoLCR-CellSyncReconfRqstTDD type is used in an NBAP-PROTOCOL-EXTENSION in the CELL SYNCHRONISATION RECONFIGURATION REQUEST TDD message, so it can't be defined in NBAP-PROTOCOL-IES and a normal ASN.1 SEQUENCE has to be used and there are some minor ASN.1 flaws.
Summary of change:	# In the PHYSICAL SHARED CHANNEL RECONFIGURATION REQUEST TDD message some IE definitions are corrected. In the CELL SYNCHRONISATION RECONFIGURATION REQUEST TDD message the SYNCDCIcodeIdMeasInfoLCR-CellSyncReconfRqstTDD is redefined as a SEQUENCE and the tabular is also aligned. In the PHYSICAL SHARED CHANNEL RECONFIGURATION REQUEST TDD message the range of the >>>PUSCH To Modify Information IE is corrected to 1. The Cell Sync Burst Timing IE is aligned in the tabular to the ASN.1. Additional at some places the long dash is corrected to the short dash.
Consequences if not approved:	# If this CR is not approved, the NBAP ASN.1 can't be compiled correctly. Impact Analysis: Impact assessment towards the previous version of the specification (same release): This CR has isolated impact with the previous version of the specification (same release) because the definition of IEs for TDD is corrected. The impact can be considered isolated because the change affects one function namely TDD.

Clauses affected: # 9.1.62.2, 9.1.78, 9.3.3, 9.3.4

Other specs affected:		Y	N		
	⌘	X		Other core specifications	⌘ 25.433 CR973 Rel-5
			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 <http://www.3gpp.org/specs/CR.htm>. Below is a brief summary:

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

9.1.62 PHYSICAL SHARED CHANNEL RECONFIGURATION REQUEST

/* partly omitted */

9.1.62.2 TDD Message

IE/Group Name	Presence	Range	IE Type and Reference	Semantics Description	Criticality	Assigned Criticality
Message Discriminator	M		9.2.1.45		–	
Message Type	M		9.2.1.46		YES	reject
Transaction ID	M		9.2.1.62		–	
C-ID	M		9.2.1.9		YES	reject
SFN	O		9.2.1.53A		YES	reject
PDSCH Sets To Add		<i>0..<maxno ofPDSCH Sets></i>			GLOBAL	reject
>PDSCH Set ID	M		9.2.3.11		–	
>PDSCH To Add Information		<i>0..1</i>		Mandatory for 3.84Mcps TDD. Not Applicable to 1.28Mcps TDD.	YES	reject
>>Repetition Period	M		9.2.3.16		–	
>>Repetition Length	M		9.2.3.15		–	
>>TDD Physical Channel Offset	M		9.2.3.20		–	
>>DL Timeslot Information		<i>1..<maxno ofDLts></i>			–	
>>>Time Slot	M		9.2.3.23		–	
>>>Midamble Shift And Burst Type	M		9.2.3.7		–	
>>>TFCI Presence	M		9.2.1.57		–	
>>>DL Code Information		<i>1..<maxno ofPDSCHs ></i>			–	
>>>>PDSCH ID	M		9.2.3.10		–	
>>>>TDD Channelisation Code	M		9.2.3.19		–	
>PDSCH To Add Information LCR		<i>0..1</i>		Mandatory for 1.28Mcps TDD. Not Applicable to 3.84Mcps TDD.	YES	reject
>>Repetition Period	M		9.2.3.16		–	
>>Repetition Length	M		9.2.3.15		–	
>>TDD Physical Channel Offset	M		9.2.3.20		–	
>>DL Timeslot Information LCR		<i>1..<maxno ofDLtsLCR ></i>			–	
>>>Time Slot LCR	M		9.2.3.24A		–	
>>>Midamble Shift LCR	M		9.2.3.7A		–	
>>>TFCI Presence	M		9.2.1.57		–	
>>>DL Code Information LCR		<i>1..<maxno ofPDSCHs ></i>			–	
>>>>PDSCH ID	M		9.2.3.10		–	

>>>>TDD Channelisation Code LCR	M		9.2.3.19a		-	
PDSCH Sets To Modify		<i>0..<maxno of PDSCHsets></i>			GLOBAL	reject
>PDSCH Set ID	M		9.2.3.11		-	
>CHOICE HCR or LCR	M			See note 1 below	-	
>>3.84Mcps TDD					-	
>>>PDSCH To Modify Information		1			YES	reject
>>>>Repetition Period	O		9.2.3.16		-	
>>>>Repetition Length	O		9.2.3.15		-	
>>>>TDD Physical Channel Offset	O		9.2.3.20		-	
>>>>DL Timeslot Information		<i>0..<maxno ofDLts></i>			-	
>>>>>Time Slot	M		9.2.3.23		-	
>>>>>Midamble Shift And Burst Type	O		9.2.3.7		-	
>>>>>TFCI Presence	O		9.2.1.57		-	
>>>>>DL Code Information		<i>0..<maxno ofPDSCHs></i>			-	
>>>>>>PDSCH ID	M		9.2.3.10		-	
>>>>>>TDD Channelisation Code	M		9.2.3.19		-	
>>1.28Mcps TDD					-	
>>>PDSCH To Modify Information LCR		1			YES	reject
>>>>Repetition Period	O		9.2.3.16		-	
>>>>Repetition Length	O		9.2.3.15		-	
>>>>TDD Physical Channel Offset	O		9.2.3.20		-	
>>>>DL Timeslot Information LCR		<i>0..<maxno ofDLtsLCR></i>			-	
>>>>>Time Slot LCR	M		9.2.3.24A		-	
>>>>>Midamble Shift LCR	O		9.2.3.7A		-	
>>>>>TFCI Presence	O		9.2.1.57		-	
>>>>>DL Code Information LCR		<i>0..<maxno ofPDSCHs></i>			-	
>>>>>>PDSCH ID	M		9.2.3.10		-	
>>>>>>TDD Channelisation Code LCR	M		9.2.3.19a		-	

PDSCH Sets To Delete		0..<maxno of PDSCHSets>			GLOBAL	reject
>PDSCH Set ID	M		9.2.3.11		–	
PUSCH Sets To Add		0..<maxno of PUSCHSets>			GLOBAL	reject
>PUSCH Set ID	M		9.2.3.13		–	
>PUSCH To Add Information		0..1		Mandatory for 3.84Mcps TDD. Not Applicable to 1.28Mcps TDD.	YES	reject
>>Repetition Period	M		9.2.3.16		–	
>>Repetition Length	M		9.2.3.15		–	
>>TDD Physical Channel Offset	M		9.2.3.20		–	
>>UL Timeslot Information		1..<maxno of ULts>			–	
>>>Time Slot	M		9.2.3.23		–	
>>>Midamble Shift And Burst Type	M		9.2.3.7		–	
>>>TFCI Presence	M		9.2.1.57		–	
>>>UL Code Information		1..<maxno of PUSCHs >			–	
>>>>PUSCH ID	M		9.2.3.12		–	
>>>>TDD Channelisation Code	M		9.2.3.19		–	
>PUSCH To Add Information LCR		0..1		Mandatory for 1.28Mcps TDD. Not Applicable to 3.84Mcps TDD.	YES	reject
>>Repetition Period	M		9.2.3.16		–	
>>Repetition Length	M		9.2.3.15		–	
>>TDD Physical Channel Offset	M		9.2.3.20		–	
>>UL Timeslot Information LCR		1..<maxno of ULtsLCR >			–	
>>>Time Slot LCR	M		9.2.3.24A		–	
>>>Midamble Shift LCR	M		9.2.3.7A		–	
>>>TFCI Presence	M		9.2.1.57		–	
>>>UL Code Information LCR		1..<maxno of PUSCHs LCR >			–	
>>>>PUSCH ID	M		9.2.3.12		–	
>>>>TDD Channelisation Code LCR	M		9.2.3.19a		–	
PUSCH Sets To Modify		0..<maxno of PUSCHSets>			GLOBAL	reject
>PUSCH Set ID	M		9.2.3.13		–	
>CHOICE HCR or LCR	M			See note 1 below	–	
>>3.84Mcps TDD					–	
>>>PUSCH To Modify Information		0..1			YES	reject

>>>>Repetition Period	O		9.2.3.16		-	
>>>>Repetition Length	O		9.2.3.15		-	
>>>>TDD Physical Channel Offset	O		9.2.3.20		-	
>>>>UL Timeslot Information		<i>0..<maxno ofULts></i>			-	
>>>>>Time Slot	M		9.2.3.23		-	
>>>>>Midamble Shift And Burst Type	O		9.2.3.7		-	
>>>>>TFCI Presence	O		9.2.1.57		-	
>>>>>UL Code Information		<i>0..<maxno ofPUSCHs ></i>			-	
>>>>>>PUSCH ID	M		9.2.3.12		-	
>>>>>>TDD Channelisation Code	M		9.2.3.19		-	
<i>>>1.28Mcps TDD</i>					-	
>>>PUSCH To Modify Information LCR		1			YES	reject
>>>>Repetition Period	O		9.2.3.16		-	
>>>>Repetition Length	O		9.2.3.15		-	
>>>>TDD Physical Channel Offset	O		9.2.3.20		-	
>>>>UL Timeslot Information LCR		<i>0..<maxno ofULtsLCR ></i>			-	
>>>>>Time Slot LCR	M		9.2.3.24A		-	
>>>>>Midamble Shift LCR	O		9.2.3.7A		-	
>>>>>TFCI Presence	O		9.2.1.57		-	
>>>>>UL Code Information LCR		<i>0..<maxno ofPUSCHs LCR></i>			-	
>>>>>>PUSCH ID	M		9.2.3.12		-	
>>>>>>TDD Channelisation Code LCR	M		9.2.3.19a		-	
PUSCH Sets To Delete		<i>0..<maxno ofPUSCH Sets></i>			GLOBAL	reject
>PUSCH Set ID	M		9.2.3.13		-	
HS-PDSCH TDD Information		<i>0..1</i>			GLOBAL	reject
>DL Timeslot and Code Information		<i>0..<maxno ofDLts></i>		Mandatory for 3.84Mcps TDD. Not Applicable to 1.28Mcps TDD.	-	
>>Time Slot	M		9.2.3.23		-	
>>Midamble Shift And Burst Type	M		9.2.3.7		-	
>>Codes		<i>1..<maxno ofHSPDS CHs></i>			-	

>>>TDD Channelisation Code	M		9.2.3.19		–	
>>HS-PDSCH and HS-SCCH Total Power	O		Maximum Transmission Power 9.2.1.40	Maximum transmission power to be allowed for HS-PDSCH and HS-SCCH codes in the timeslot	YES	reject
>DL Timeslot and Code Information LCR		<i>0..<maxno ofDLtsLCR></i>		Mandatory for 1.28Mcps TDD. Not Applicable to 3.84Mcps TDD.	–	
>>Time Slot LCR	M		9.2.3.24a		–	
>>Midamble Shift LCR	M		9.2.3.7A		–	
>>Codes LCR		<i>1..<maxno ofHSPDS CHs></i>			–	
>>>TDD Channelisation Code	M		9.2.3.19		–	
>>HS-PDSCH and HS-SCCH Total Power	O		Maximum Transmission Power 9.2.1.40	Maximum transmission power to be allowed for HS-PDSCH and HS-SCCH codes in the timeslot	YES	reject
Add to HS-SCCH Resource Pool		<i>0..1</i>			GLOBAL	reject
>HS-SCCH Information		<i>0..<maxno ofHSSCC Hs></i>		Applicable to 3.84Mcps TDD only	–	
>>HS-SCCH ID	M		9.2.3.5Ga		–	
>>Time Slot	M		9.2.3.23		–	
>>Midamble Shift And Burst Type	M		9.2.3.7		–	
>>TDD Channelisation Code	M		9.2.3.19		–	
>>Maximum HS-SCCH Power	M		DL Power 9.2.1.21		–	
>>HS-SICH Information		<i>1</i>			–	
>>>HS-SICH ID	M		9.2.3.5Gb		–	
>>>Time Slot	M		9.2.3.23		–	
>>>Midamble Shift And Burst Type	M		9.2.3.7		–	
>>>TDD Channelisation Code	M		9.2.3.19		–	
>HS-SCCH Information LCR		<i>0..<maxno ofHSSCC Hs></i>		Applicable to 1.28Mcps TDD only	GLOBAL	reject
>>HS-SCCH ID	M		9.2.3.5Ga		–	
>>Time Slot LCR	M		9.2.3.24a		–	
>>Midamble Shift LCR	M		9.2.3.7A		–	
>>First TDD Channelisation Code	M		TDD Channelisation Code 9.2.3.19		–	

>>Second TDD Channelisation Code	M		TDD Channelisation Code 9.2.3.19		–	
>>Maximum HS-SCCH Power	M		DL Power 9.2.1.21		–	
>>HS-SICH Information LCR		1			–	
>>>HS-SICH ID	M		9.2.3.5Gb		–	
>>>Time Slot LCR	M		9.2.3.24a		–	
>>>Midamble Shift LCR	M		9.2.3.7A		–	
>>>TDD Channelisation Code	M		9.2.3.19		–	
Modify HS-SCCH Resource Pool		0..1			GLOBAL	reject
>HS-SCCH Information		0..<maxno ofHSSCC Hs>		Applicable to 3.84Mcps TDD only	–	
>>HS-SCCH ID	M		9.2.3.5Ga		–	
>>Time Slot	O		9.2.3.23		–	
>>Midamble Shift And Burst Type	O		9.2.3.7		–	
>>TDD Channelisation Code	O		9.2.3.19		–	
>>Maximum HS-SCCH Power	O		DL Power 9.2.1.21		–	
>>HS-SICH Information		0..1			–	
>>>HS-SICH ID	M		9.2.3.5Gb		–	
>>>Time Slot	O		9.2.3.23		–	
>>>Midamble Shift And Burst Type	O		9.2.3.7		–	
>>>TDD Channelisation Code	O		9.2.3.19		–	
>HS-SCCH Information LCR		0..<maxno ofHSSCC Hs>		Applicable to 1.28Mcps TDD only	GLOBAL	reject
>>HS-SCCH ID	M		9.2.3.5Ga		–	
>>Time Slot LCR	O		9.2.3.24a		–	
>>Midamble Shift LCR	O		9.2.3.7A		–	
>>First TDD Channelisation Code	O		TDD Channelisation Code 9.2.3.19		–	
>>Second TDD Channelisation Code	O		TDD Channelisation Code 9.2.3.19			
>>Maximum HS-SCCH Power	O		DL Power 9.2.1.21		–	
>>HS-SICH Information LCR		0..1			–	
>>>HS-SICH ID	M		9.2.3.5Gb		–	
>>>Time Slot LCR	O		9.2.3.24a		–	
>>>Midamble Shift LCR	O		9.2.3.7A		–	
>>>TDD Channelisation Code	O		9.2.3.19		–	
Delete from HS-SCCH Resource Pool		0..<maxno of HSSCCHs >			GLOBAL	reject
>HS-SCCH ID	M		9.2.3.5Ga		–	

Note 1: This information element is a simplified representation of the ASN.1. The choice is in reality performed through the use of ProtocolIE-Single-Container within the ASN.1.

Range Bound	Explanation
<i>maxnoofPDSCHSets</i>	Maximum number of PDSCH Sets in a cell.
<i>maxnoofPDSCHs</i>	Maximum number of PDSCH in a cell.
<i>maxnoofPUSCHSets</i>	Maximum number of PUSCH Sets in a cell.
<i>maxnoofPUSCHs</i>	Maximum number of PUSCH in a cell.
<i>maxnoofDLts</i>	Maximum number of Downlink time slots in a cell for 3.84Mcps TDD.
<i>maxnoofDLtsLCR</i>	Maximum number of Downlink time slots in a cell for 1.28Mcps TDD.
<i>maxnoofULts</i>	Maximum number of Uplink time slots in a cell for 3.84Mcps TDD.
<i>maxnoofULtsLCR</i>	Maximum number of Uplink time slots in a cell for 1.28Mcps TDD
<i>maxnoofHSSCCHs</i>	Maximum number of HS-SCCHs in a Cell
<i>maxnoofHSPDSCHs</i>	Maximum number of HS-PDSCHs in one time slot of a Cell

9.1.78 CELL SYNCHRONISATION RECONFIGURATION REQUEST [TDD]

IE/Group Name	Presence	Range	IE Type and Reference	Semantics Description	Criticality	Assigned Criticality
Message Discriminator	M		9.2.1.45		–	
Message Type	M		9.2.1.46		YES	reject
Transaction ID	M		9.2.1.62		–	
C-ID	M		9.2.1.9		YES	reject
Time Slot	M		9.2.3.23	Applicable to 3.84Mcps TDD only. For 1.28Mcps TDD, the CRNC should set this to 0 and the Node B shall ignore it	YES	reject
Number Of Cycles Per SFN Period	M		9.2.3.7B		YES	reject
Number Of Repetitions Per Cycle Period	M		9.2.3.7C		YES	reject
Cell Sync Burst Transmission Reconfiguration Information		<i>0..<maxno ofCellSync Bursts></i>		Applicable to 3.84Mcps TDD only	GLOBAL	reject
>CSB Transmission ID	M		9.2.3.4N		–	
>Sync Frame Number To Transmit	M		Sync Frame Number 9.2.3.18C		–	
>Cell Sync Burst Code	O		9.2.3.4G		–	
>Cell Sync Burst Code Shift	O		9.2.3.4H		–	
>DL Transmission Power	O		DL Power 9.2.1.21		–	
Cell Sync Burst Measurement Reconfiguration Information		<i>0..1</i>		Applicable to 3.84Mcps TDD only	YES	reject
>Cell Sync Burst Measurement Information		<i>1..<maxno ofCellSync Bursts></i>			GLOBAL	reject

>>Sync Frame Number To Receive	M		Sync Frame Number 9.2.3.18C		–	
>>Cell Sync Burst Information		<i>1..<maxno ofreceptio nsperSync Frame></i>			–	
>>>CSB Measurement ID	M		9.2.3.4I		–	
>>>Cell Sync Burst Code	M		9.2.3.4G		–	
>>>Cell Sync Burst Code Shift	M		9.2.3.4H		–	
>Synchronisation Report Type	O		9.2.3.18E		– YES	reject
>Synchronisation Report Characteristics	O		9.2.3.18D		– YES	reject
Number Of Subcycles Per Cycle Period	O		9.2.3.7D	Applicable to 1.28Mcps TDD only	YES	reject
SYNC_DL Code Transmission Reconfiguration Information LCR		<i>0..<maxno ofSyncFramesLCR></i>		Applicable to 1.28Mcps TDD only	GLOBAL	reject
>CSB Transmission ID	M		9.2.3.4N		–	
>Sync Frame Number For Transmission	M		Sync Frame Number 9.2.3.18C		–	
>UARFCN	M		9.2.1.65		–	
>SYNC_DL Code ID	O		9.2.3.18B		–	
>DwPCH Power	O		9.2.3.5B		–	
SYNC_DL Code Measurement Reconfiguration Information LCR		<i>0..1</i>		Applicable to 1.28Mcps TDD only	YES	reject
>SYNC_DL Code Measurement Information LCR		<i>1..<maxno ofSyncDL CodesLCR ></i>			– GLOBAL	reject
>>Sync Frame Number To Receive	M		Sync Frame Number 9.2.3.18C		–	
>>Sync_DLCode Information LCR		<i>1..<maxno ofreceptio nsperSync FrameLCR ></i>			–	
>>>CSB Measurement ID	M		9.2.3.4I		–	
>>>SYNC_DL Code ID	M		9.2.3.18B		–	
>>>UARFCN	M		9.2.1.65		–	
>>>Propagation Delay Compensation	O		Timing Adjustment Value LCR 9.2.3.22b		–	
>Synchronisation Report Type	O		9.2.3.18E		– YES	reject
>Synchronisation Report Characteristics	O		9.2.3.18D		– YES	reject

Range Bound	Explanation
<i>maxnoofCellSyncBursts</i>	Maximum number of cell synchronisation bursts per cycle for 3.84Mcps TDD
<i>maxnoofreceptionsperSyncFrame</i>	Maximum number of cell synchronisation burst receptions per Sync Frame for 3.84Mcps TDD
<i>maxnoofSyncFramesLCR</i>	Maximum number of Sync Frames per subcycle for 1.28Mcps TDD
<i>maxnoofreceptionsperSyncFrameLCR</i>	Maximum number of SYNC_DL Code ID receptions per Sync Frame for 1.28Mcps TDD

/* partly omitted */

9.2.3.4L Cell Sync Burst Timing

The *Cell Sync Burst Timing* IE defines the time of start (defined by the first detected path in time) of the cell synchronisation burst of a neighbouring cell see [5] for 3.84Mcps TDD.

IE/Group Name	Presence	Range	IE Type and Reference	Semantics Description
CHOICE <i>Phase</i>				According to mapping in [23]
> <i>Initial Phase</i>				
>>Cell Synch Burst Timing Value	M		INTEGER (0.. 255 1048575,...)	
> <i>Steady State Phase</i>				
>>Cell Synch Burst Timing Value	M		INTEGER (0.. 4048575 255,...)	

/* partly omitted */

9.3.3 PDU Definitions

/* partly omitted */

```

-- *****
--
-- PHYSICAL SHARED CHANNEL RECONFIGURATION REQUEST TDD
--
-- *****

PhysicalSharedChannelReconfigurationRequestTDD ::= SEQUENCE {
    protocolIEs          ProtocolIE-Container  {{PhysicalSharedChannelReconfigurationRequestTDD-IEs}},
    protocolExtensions   ProtocolExtensionContainer  {{PhysicalSharedChannelReconfigurationRequestTDD-Extensions}}  OPTIONAL,
    ...
}

PhysicalSharedChannelReconfigurationRequestTDD-IEs NBAP-PROTOCOL-IES ::= {
    { ID id-C-ID                CRITICALITY reject  TYPE C-ID                PRESENCE mandatory }|
    { ID id-SFN                 CRITICALITY reject  TYPE SFN                 PRESENCE optional }|
    { ID id-PDSCHSets-AddList-PSCH-ReconfRqst  CRITICALITY reject  TYPE PDSCHSets-AddList-PSCH-ReconfRqst  PRESENCE optional }|
    { ID id-PDSCHSets-ModifyList-PSCH-ReconfRqst  CRITICALITY reject  TYPE PDSCHSets-ModifyList-PSCH-ReconfRqst  PRESENCE optional }|
    { ID id-PDSCHSets-DeleteList-PSCH-ReconfRqst  CRITICALITY reject  TYPE PDSCHSets-DeleteList-PSCH-ReconfRqst  PRESENCE optional }|
    { ID id-PUSCHSets-AddList-PSCH-ReconfRqst  CRITICALITY reject  TYPE PUSCHSets-AddList-PSCH-ReconfRqst  PRESENCE optional }|
    { ID id-PUSCHSets-ModifyList-PSCH-ReconfRqst  CRITICALITY reject  TYPE PUSCHSets-ModifyList-PSCH-ReconfRqst  PRESENCE optional }|
    { ID id-PUSCHSets-DeleteList-PSCH-ReconfRqst  CRITICALITY reject  TYPE PUSCHSets-DeleteList-PSCH-ReconfRqst  PRESENCE optional }|
    ...
}

PhysicalSharedChannelReconfigurationRequestTDD-Extensions NBAP-PROTOCOL-EXTENSION ::= {
    { ID id-HS-PDSCH-TDD-Information-PSCH-ReconfRqst  CRITICALITY reject  EXTENSION HS-PDSCH-TDD-Information-PSCH-ReconfRqst  PRESENCE optional }|
    { ID id-Add-To-HS-SCCH-Resource-Pool-PSCH-ReconfRqst  CRITICALITY reject  EXTENSION Add-To-HS-SCCH-Resource-Pool-PSCH-ReconfRqst  PRESENCE optional }|
    { ID id-Modify-HS-SCCH-Resource-Pool-PSCH-ReconfRqst  CRITICALITY reject  EXTENSION Modify-HS-SCCH-Resource-Pool-PSCH-ReconfRqst  PRESENCE optional }|
    { ID id-Delete-From-HS-SCCH-Resource-Pool-PSCH-ReconfRqst  CRITICALITY reject  EXTENSION Delete-From-HS-SCCH-Resource-Pool-PSCH-ReconfRqst  PRESENCE optional },
    ...
}

PDSCHSets-AddList-PSCH-ReconfRqst ::= SEQUENCE (SIZE (1..maxNrOfPDSCHSets)) OF PDSCHSets-AddItem-PSCH-ReconfRqst

PDSCHSets-AddItem-PSCH-ReconfRqst ::= SEQUENCE {
    pDSCHSet-ID                PDSCHSet-ID,
    pDSCH-InformationList      PDSCH-Information-AddList-PSCH-ReconfRqst  OPTIONAL,          -- Mandatory for 3.84Mcps TDD.
    Not Applicable to 1.28Mcps TDD
    iE-Extensions              ProtocolExtensionContainer  { {PDSCHSets-AddItem-PSCH-ReconfRqst-ExtIEs} }  OPTIONAL,
    ...
}

```

```

PDSCHSets-AddItem-PSCH-ReconfRqst-ExtIEs NBAP-PROTOCOL-EXTENSION ::= {
  {ID id-PDSCH-AddInformation-LCR-PSCH-ReconfRqst CRITICALITY reject EXTENSION PDSCH-AddInformation-LCR-AddItem-PSCH-ReconfRqst
  PRESENCE optional}, -- Mandatory for 1.28Mcps TDD. Not Applicable to 3.84Mcps TDD
  ...
}

PDSCH-Information-AddList-PSCH-ReconfRqst ::= ProtocolIE-Single-Container {{ PDSCH-Information-AddListIEs-PSCH-ReconfRqst }}
-- Mandatory for 3.84Mcps TDD, Not Applicable to 1.28Mcps TDD

PDSCH-Information-AddListIEs-PSCH-ReconfRqst NBAP-PROTOCOL-IES ::= {
  {ID id-PDSCH-Information-AddListIE-PSCH-ReconfRqst CRITICALITY reject TYPE PDSCH-Information-AddItem-PSCH-ReconfRqst PRESENCE
  mandatory}
}

PDSCH-Information-AddItem-PSCH-ReconfRqst ::= SEQUENCE {
  repetitionPeriod RepetitionPeriod,
  repetitionLength RepetitionLength,
  tdd-PhysicalChannelOffset TDD-PhysicalChannelOffset,
  dl-Timeslot-InformationAddList-PSCH-ReconfRqst DL-Timeslot-InformationAddList-PSCH-ReconfRqst,
  iE-Extensions ProtocolExtensionContainer { {PDSCH-Information-AddItem-PSCH-ReconfRqst-ExtIEs} } OPTIONAL,
  ...
}

PDSCH-Information-AddItem-PSCH-ReconfRqst-ExtIEs NBAP-PROTOCOL-EXTENSION ::= {
  ...
}

DL-Timeslot-InformationAddList-PSCH-ReconfRqst ::= SEQUENCE (SIZE (1.. maxNrOfDLTSs)) OF DL-Timeslot-InformationAddItem-PSCH-ReconfRqst

DL-Timeslot-InformationAddItem-PSCH-ReconfRqst ::= SEQUENCE {
  timeSlot TimeSlot,
  midambleShiftAndBurstType MidambleShiftAndBurstType,
  tFCI-Presence TFCI-Presence,
  dl-Code-InformationAddList-PSCH-ReconfRqst DL-Code-InformationAddList-PSCH-ReconfRqst,
  iE-Extensions ProtocolExtensionContainer { { DL-Timeslot-InformationAddItem-PSCH-ReconfRqst-ExtIEs} } OPTIONAL,
  ...
}

DL-Timeslot-InformationAddItem-PSCH-ReconfRqst-ExtIEs NBAP-PROTOCOL-EXTENSION ::= {
  ...
}

DL-Code-InformationAddList-PSCH-ReconfRqst ::= SEQUENCE (SIZE (1..maxNrOfPDSCHs)) OF DL-Code-InformationAddItem-PSCH-ReconfRqst

DL-Code-InformationAddItem-PSCH-ReconfRqst ::= SEQUENCE {
  pDSCH-ID PDSCH-ID,
  tdd-ChannelisationCode TDD-ChannelisationCode,
  iE-Extensions ProtocolExtensionContainer { { DL-Code-InformationAddItem-PSCH-ReconfRqst-ExtIEs} } OPTIONAL,
  ...
}

DL-Code-InformationAddItem-PSCH-ReconfRqst-ExtIEs NBAP-PROTOCOL-EXTENSION ::= {

```



```

}
...
}
PDSCH-AddInformation-LCR-AddItem-PSCH-ReconfRqst ::= SEQUENCE {
    repetitionPeriod                RepetitionPeriod,
    repetitionLength                RepetitionLength,
    tdd-PhysicalChannelOffset       TDD-PhysicalChannelOffset,
    dl-Timeslot-InformationAddList-LCR-PSCH-ReconfRqst DL-Timeslot-InformationAddList-LCR-PSCH-ReconfRqst,
    iE-Extensions                   ProtocolExtensionContainer { {PDSCH-AddInformation-LCR-AddItem-PSCH-ReconfRqst-ExtIEs} } OPTIONAL,
    ...
}

PDSCH-AddInformation-LCR-AddItem-PSCH-ReconfRqst-ExtIEs NBAP-PROTOCOL-EXTENSION ::= {
    ...
}

DL-Timeslot-InformationAddList-LCR-PSCH-ReconfRqst ::= SEQUENCE (SIZE (1..maxNrOfDLTSLCRs)) OF DL-Timeslot-InformationAddItem-LCR-PSCH-ReconfRqst

DL-Timeslot-InformationAddItem-LCR-PSCH-ReconfRqst ::= SEQUENCE {
    timeSlotLCR                    TimeSlotLCR,
    midambleShiftLCR              MidambleShiftLCR,
    tFCI-Presence                 TFCI-Presence,
    dl-Code-InformationAddList-LCR-PSCH-ReconfRqst DL-Code-InformationAddList-LCR-PSCH-ReconfRqst,
    iE-Extensions                 ProtocolExtensionContainer { { DL-Timeslot-InformationAddItem-LCR-PSCH-ReconfRqst-ExtIEs} } OPTIONAL,
    ...
}

DL-Timeslot-InformationAddItem-LCR-PSCH-ReconfRqst-ExtIEs NBAP-PROTOCOL-EXTENSION ::= {
    ...
}

DL-Code-InformationAddList-LCR-PSCH-ReconfRqst ::= SEQUENCE (SIZE (1..maxNrOfPDSCHs)) OF DL-Code-InformationAddItem-LCR-PSCH-ReconfRqst

DL-Code-InformationAddItem-LCR-PSCH-ReconfRqst ::= SEQUENCE {
    pDSCH-ID                      PDSCH-ID,
    tdd-ChannelisationCodeLCR     TDD-ChannelisationCodeLCR,
    iE-Extensions                 ProtocolExtensionContainer { { DL-Code-InformationAddItem-LCR-PSCH-ReconfRqst-ExtIEs} } OPTIONAL,
    ...
}

DL-Code-InformationAddItem-LCR-PSCH-ReconfRqst-ExtIEs NBAP-PROTOCOL-EXTENSION ::= {
    ...
}

PDSCHSets-ModifyList-PSCH-ReconfRqst ::= SEQUENCE (SIZE (1..maxNrOfPDSCHSets)) OF PDSCHSets-ModifyItem-PSCH-ReconfRqst

PDSCHSets-ModifyItem-PSCH-ReconfRqst ::= SEQUENCE {
    pDSCHSet-ID                  PDSCHSet-ID,
    pDSCH-InformationList       PDSCH-Information-ModifyList-PSCH-ReconfRqst,
    iE-Extensions               ProtocolExtensionContainer { {PDSCHSets-ModifyItem-PSCH-ReconfRqst-ExtIEs} } OPTIONAL,
    ...
}

```

```

PDSCHSets-ModifyItem-PSCH-ReconfRqst-ExtIEs  NBAP-PROTOCOL-EXTENSION ::= {
    ...
}

PDSCH-Information-ModifyList-PSCH-ReconfRqst ::= ProtocolIE-Single-Container {{ PDSCH-Information-ModifyListIEs-PSCH-ReconfRqst }}

PDSCH-Information-ModifyListIEs-PSCH-ReconfRqst NBAP-PROTOCOL-IES ::= {
    {ID id-PDSCH-Information-ModifyListIE-PSCH-ReconfRqst  CRITICALITY reject  TYPE PDSCH-Information-ModifyItem-PSCH-ReconfRqst          PRESENCE
    optional}|
    {ID id-PDSCH-ModifyInformation-LCR-PSCH-ReconfRqst      CRITICALITY reject  TYPE PDSCH-ModifyInformation-LCR-ModifyItem-PSCH-ReconfRqst
    PRESENCE        optional}
}

PDSCH-Information-ModifyItem-PSCH-ReconfRqst ::= SEQUENCE {
    repetitionPeriod              RepetitionPeriod              OPTIONAL,
    repetitionLength              RepetitionLength              OPTIONAL,
    tdd-PhysicalChannelOffset     TDD-PhysicalChannelOffset  OPTIONAL,
    dl-Timeslot-InformationModifyList-PSCH-ReconfRqst  DL-Timeslot-InformationModifyList-PSCH-ReconfRqst  OPTIONAL,
    iE-Extensions                 ProtocolExtensionContainer { {PDSCH-Information-ModifyItem-PSCH-ReconfRqst-ExtIEs} }  OPTIONAL,
    ...
}

PDSCH-Information-ModifyItem-PSCH-ReconfRqst-ExtIEs  NBAP-PROTOCOL-EXTENSION ::= {
    ...
}

DL-Timeslot-InformationModifyList-PSCH-ReconfRqst ::= SEQUENCE (SIZE (1.. maxNrOfDLTs)) OF DL-Timeslot-InformationModifyItem-PSCH-ReconfRqst

DL-Timeslot-InformationModifyItem-PSCH-ReconfRqst ::= SEQUENCE {
    timeSlot                      TimeSlot,
    midambleShiftAndBurstType     MidambleShiftAndBurstType  OPTIONAL,
    tFCI-Presence                 TFCI-Presence  OPTIONAL,
    dl-Code-InformationModifyList-PSCH-ReconfRqst  DL-Code-InformationModifyList-PSCH-ReconfRqst  OPTIONAL,
    iE-Extensions                 ProtocolExtensionContainer { { DL-Timeslot-InformationModifyItem-PSCH-ReconfRqst-ExtIEs} }  OPTIONAL,
    ...
}

DL-Timeslot-InformationModifyItem-PSCH-ReconfRqst-ExtIEs  NBAP-PROTOCOL-EXTENSION ::= {
    ...
}

DL-Code-InformationModifyList-PSCH-ReconfRqst ::= SEQUENCE (SIZE (1..maxNrOfPDSCHs)) OF DL-Code-InformationModifyItem-PSCH-ReconfRqst

DL-Code-InformationModifyItem-PSCH-ReconfRqst ::= SEQUENCE {
    pDSCH-ID                      PDSCH-ID,
    tdd-ChannelisationCode         TDD-ChannelisationCode,
    iE-Extensions                 ProtocolExtensionContainer { { DL-Code-InformationModifyItem-PSCH-ReconfRqst-ExtIEs} }  OPTIONAL,
    ...
}

DL-Code-InformationModifyItem-PSCH-ReconfRqst-ExtIEs  NBAP-PROTOCOL-EXTENSION ::= {
    ...
}

```

```

}

PDSCH-ModifyInformation-LCR-ModifyItem-PSCH-ReconfRqst ::= SEQUENCE {
    repetitionPeriod                RepetitionPeriod                OPTIONAL,
    repetitionLength                RepetitionLength                OPTIONAL,
    tdd-PhysicalChannelOffset       TDD-PhysicalChannelOffset  OPTIONAL,
    dL-Timeslot-LCR-InformationModifyList-PSCH-ReconfRqst  DL-Timeslot-LCR-InformationModifyList-PSCH-ReconfRqst  OPTIONAL,
    iE-Extensions                   ProtocolExtensionContainer { {PDSCH-ModifyInformation-LCR-ModifyListIE-PSCH-ReconfRqst-ExtIEs} }
    OPTIONAL,
    ...
}

PDSCH-ModifyInformation-LCR-ModifyListIE-PSCH-ReconfRqst-ExtIEs NBAP-PROTOCOL-EXTENSION ::= {
    ...
}

DL-Timeslot-LCR-InformationModifyList-PSCH-ReconfRqst ::= SEQUENCE (SIZE (1..maxNrOfDLTSLCRs)) OF DL-Timeslot-LCR-InformationModifyItem-PSCH-ReconfRqst

DL-Timeslot-LCR-InformationModifyItem-PSCH-ReconfRqst ::= SEQUENCE {
    timeSlotLCR                    TimeSlotLCR,
    midambleShiftLCR              MidambleShiftLCR  OPTIONAL,
    tFCI-Presence                 TFCI-Presence  OPTIONAL,
    dL-Code-LCR-InformationModifyList-PSCH-ReconfRqst  DL-Code-LCR-InformationModifyList-PSCH-ReconfRqst  OPTIONAL,
    iE-Extensions                 ProtocolExtensionContainer { { DL-Timeslot-LCR-InformationModifyItem-PSCH-ReconfRqst-ExtIEs} }
    OPTIONAL,
    ...
}

DL-Timeslot-LCR-InformationModifyItem-PSCH-ReconfRqst-ExtIEs NBAP-PROTOCOL-EXTENSION ::= {
    ...
}

DL-Code-LCR-InformationModifyList-PSCH-ReconfRqst ::= SEQUENCE (SIZE (1..maxNrOfPDSCHs)) OF DL-Code-LCR-InformationModifyItem-PSCH-ReconfRqst

DL-Code-LCR-InformationModifyItem-PSCH-ReconfRqst ::= SEQUENCE {
    pDSCH-ID                      PDSCH-ID,
    tdd-ChannelisationCodeLCR     TDD-ChannelisationCodeLCR,
    iE-Extensions                 ProtocolExtensionContainer { { DL-Code-LCR-InformationModifyItem-PSCH-ReconfRqst-ExtIEs} }
    OPTIONAL,
    ...
}

DL-Code-LCR-InformationModifyItem-PSCH-ReconfRqst-ExtIEs NBAP-PROTOCOL-EXTENSION ::= {
    ...
}

PDSCHSets-DeleteList-PSCH-ReconfRqst ::= SEQUENCE (SIZE (1..maxNrOfPDSCHSets)) OF PDSCHSets-DeleteItem-PSCH-ReconfRqst

PDSCHSets-DeleteItem-PSCH-ReconfRqst ::= SEQUENCE {
    pDSCHSet-ID                  PDSCHSet-ID,
    iE-Extensions                 ProtocolExtensionContainer { {PDSCHSets-DeleteItem-PSCH-ReconfRqst-ExtIEs} }
    OPTIONAL,
    ...
}

```

```

PDSCHSets-DeleteItem-PSCH-ReconfRqst-ExtIEs NBAP-PROTOCOL-EXTENSION ::= {
  ...
}

PUSCHSets-AddList-PSCH-ReconfRqst ::= SEQUENCE (SIZE (1..maxNrOfPUSCHSets)) OF PUSCHSets-AddItem-PSCH-ReconfRqst

PUSCHSets-AddItem-PSCH-ReconfRqst ::= SEQUENCE {
  pUSCHSet-ID PUSCHSet-ID,
  pUSCH-InformationList PUSCH-Information-AddList-PSCH-ReconfRqst OPTIONAL,
  -- Mandatory for 3.84Mcps TDD, Not Applicable to 1.28Mcps TDD
  iE-Extensions ProtocolExtensionContainer { {PUSCHSets-AddItem-PSCH-ReconfRqst-ExtIEs} } OPTIONAL,
  ...
}

PUSCHSets-AddItem-PSCH-ReconfRqst-ExtIEs NBAP-PROTOCOL-EXTENSION ::= {
  {ID id-PUSCH-AddInformation-LCR-PSCH-ReconfRqst CRITICALITY reject EXTENSION PUSCH-AddInformation-LCR-AddItem-PSCH-ReconfRqst
  PRESENCE optional}, -- Mandatory for 1.28Mcps TDD, Not Applicable to 3.84Mcps TDD
  ...
}

PUSCH-Information-AddList-PSCH-ReconfRqst ::= ProtocolIE-Single-Container {{ PUSCH-Information-AddListIEs-PSCH-ReconfRqst }}

PUSCH-Information-AddListIEs-PSCH-ReconfRqst NBAP-PROTOCOL-IES ::= {
  {ID id-PUSCH-Information-AddListIE-PSCH-ReconfRqst CRITICALITY reject TYPE PUSCH-Information-AddItem-PSCH-ReconfRqst PRESENCE
  mandatory}
}

PUSCH-Information-AddItem-PSCH-ReconfRqst ::= SEQUENCE {
  repetitionPeriod RepetitionPeriod,
  repetitionLength RepetitionLength,
  tdd-PhysicalChannelOffset TDD-PhysicalChannelOffset,
  uL-Timeslot-InformationAddList-PSCH-ReconfRqst UL-Timeslot-InformationAddList-PSCH-ReconfRqst,
  iE-Extensions ProtocolExtensionContainer { {PUSCH-Information-AddItem-PSCH-ReconfRqst-ExtIEs} } OPTIONAL,
  ...
}

PUSCH-Information-AddItem-PSCH-ReconfRqst-ExtIEs NBAP-PROTOCOL-EXTENSION ::= {
  ...
}

UL-Timeslot-InformationAddList-PSCH-ReconfRqst ::= SEQUENCE (SIZE (1..maxNrOfULTSs)) OF UL-Timeslot-InformationAddItem-PSCH-ReconfRqst

UL-Timeslot-InformationAddItem-PSCH-ReconfRqst ::= SEQUENCE {
  timeSlot TimeSlot,
  midambleShiftAndBurstType MidambleShiftAndBurstType,
  tFCI-Presence TFCI-Presence,
  uL-Code-InformationAddList-PSCH-ReconfRqst UL-Code-InformationAddList-PSCH-ReconfRqst,
  iE-Extensions ProtocolExtensionContainer { { UL-Timeslot-InformationAddItem-PSCH-ReconfRqst-ExtIEs} } OPTIONAL,
  ...
}

UL-Timeslot-InformationAddItem-PSCH-ReconfRqst-ExtIEs NBAP-PROTOCOL-EXTENSION ::= {

```

```

}
...
}
UL-Code-InformationAddList-PSCH-ReconfRqst ::= SEQUENCE (SIZE (1..maxNrOfPUSCHs)) OF UL-Code-InformationAddItem-PSCH-ReconfRqst
UL-Code-InformationAddItem-PSCH-ReconfRqst ::= SEQUENCE {
    pUSCH-ID                PUSCH-ID,
    tdd-ChannelisationCode  TDD-ChannelisationCode,
    iE-Extensions           ProtocolExtensionContainer { { UL-Code-InformationAddItem-PSCH-ReconfRqst-ExtIEs} } OPTIONAL,
    ...
}
UL-Code-InformationAddItem-PSCH-ReconfRqst-ExtIEs NBAP-PROTOCOL-EXTENSION ::= {
    ...
}
PUSCH-AddInformation-LCR-AddItem-PSCH-ReconfRqst ::= SEQUENCE {
    repetitionPeriod        RepetitionPeriod,
    repetitionLength        RepetitionLength,
    tdd-PhysicalChannelOffset TDD-PhysicalChannelOffset,
    uL-Timeslot-InformationAddList-LCR-PSCH-ReconfRqst UL-Timeslot-InformationAddList-LCR-PSCH-ReconfRqst,
    iE-Extensions           ProtocolExtensionContainer { {PUSCH-AddInformation-LCR-AddItem-PSCH-ReconfRqst-ExtIEs} } OPTIONAL,
    ...
}
PUSCH-AddInformation-LCR-AddItem-PSCH-ReconfRqst-ExtIEs NBAP-PROTOCOL-EXTENSION ::= {
    ...
}
UL-Timeslot-InformationAddList-LCR-PSCH-ReconfRqst ::= SEQUENCE (SIZE (1.. maxNrOfULTSLCRs)) OF UL-Timeslot-InformationAddItem-LCR-PSCH-ReconfRqst
UL-Timeslot-InformationAddItem-LCR-PSCH-ReconfRqst ::= SEQUENCE {
    timeSlotLCR                TimeSlotLCR,
    midambleShiftLCR          MidambleShiftLCR,
    tFCI-Presence              TFCI-Presence,
    uL-Code-InformationAddList-LCR-PSCH-ReconfRqst UL-Code-InformationAddList-LCR-PSCH-ReconfRqst,
    iE-Extensions             ProtocolExtensionContainer { { UL-Timeslot-InformationAddItem-LCR-PSCH-ReconfRqst-ExtIEs} } OPTIONAL,
    ...
}
UL-Timeslot-InformationAddItem-LCR-PSCH-ReconfRqst-ExtIEs NBAP-PROTOCOL-EXTENSION ::= {
    ...
}
UL-Code-InformationAddList-LCR-PSCH-ReconfRqst ::= SEQUENCE (SIZE (1..maxNrOfPUSCHs)) OF UL-Code-InformationAddItem-LCR-PSCH-ReconfRqst
UL-Code-InformationAddItem-LCR-PSCH-ReconfRqst ::= SEQUENCE {
    pUSCH-ID                PUSCH-ID,
    tdd-ChannelisationCodeLCR TDD-ChannelisationCodeLCR,
    iE-Extensions           ProtocolExtensionContainer { { UL-Code-InformationAddItem-LCR-PSCH-ReconfRqst-ExtIEs} } OPTIONAL,
    ...
}

```

```

UL-Code-InformationAddItem-LCR-PSCH-ReconfRqst-ExtIEs NBAP-PROTOCOL-EXTENSION ::= {
    ...
}

PUSCHSets-ModifyList-PSCH-ReconfRqst ::= SEQUENCE (SIZE (1..maxNrOfPUSCHSets)) OF PUSCHSets-ModifyItem-PSCH-ReconfRqst

PUSCHSets-ModifyItem-PSCH-ReconfRqst ::= SEQUENCE {
    pUSCHSet-ID                PUSCHSet-ID,
    pUSCH-InformationList      PUSCH-Information-ModifyList-PSCH-ReconfRqst,
    iE-Extensions              ProtocolExtensionContainer { {PUSCHSets-ModifyItem-PSCH-ReconfRqst-ExtIEs} } OPTIONAL,
    ...
}

PUSCHSets-ModifyItem-PSCH-ReconfRqst-ExtIEs NBAP-PROTOCOL-EXTENSION ::= {
    ...
}

PUSCH-Information-ModifyList-PSCH-ReconfRqst ::= ProtocolIE-Single-Container { { PUSCH-Information-ModifyListIEs-PSCH-ReconfRqst } }

PUSCH-Information-ModifyListIEs-PSCH-ReconfRqst NBAP-PROTOCOL-IES ::= {
    {ID id-PUSCH-Information-ModifyListIE-PSCH-ReconfRqst CRITICALITY reject TYPE PUSCH-Information-ModifyItem-PSCH-ReconfRqst PRESENCE optional}|
    {ID id-PUSCH-ModifyInformation-LCR-PSCH-ReconfRqst CRITICALITY reject TYPE PUSCH-ModifyInformation-LCR-ModifyItem-PSCH-ReconfRqst PRESENCE optional}
}

PUSCH-Information-ModifyItem-PSCH-ReconfRqst ::= SEQUENCE {
    repetitionPeriod            RepetitionPeriod                OPTIONAL,
    repetitionLength            RepetitionLength                OPTIONAL,
    tdd-PhysicalChannelOffset   TDD-PhysicalChannelOffset      OPTIONAL,
    uL-Timeslot-InformationModifyList-PSCH-ReconfRqst          UL-Timeslot-InformationModifyList-PSCH-ReconfRqst OPTIONAL,
    iE-Extensions              ProtocolExtensionContainer { {PUSCH-Information-ModifyItem-PSCH-ReconfRqst-ExtIEs} } OPTIONAL,
    ...
}

PUSCH-Information-ModifyItem-PSCH-ReconfRqst-ExtIEs NBAP-PROTOCOL-EXTENSION ::= {
    ...
}

UL-Timeslot-InformationModifyList-PSCH-ReconfRqst ::= SEQUENCE (SIZE (1..maxNrOfULTSs)) OF UL-Timeslot-InformationModifyItem-PSCH-ReconfRqst

UL-Timeslot-InformationModifyItem-PSCH-ReconfRqst ::= SEQUENCE {
    timeSlot                    TimeSlot,
    midambleShiftAndBurstType   MidambleShiftAndBurstType OPTIONAL,
    tFCI-Presence               TFCI-Presence OPTIONAL,
    uL-Code-InformationModifyList-PSCH-ReconfRqst          UL-Code-InformationModifyList-PSCH-ReconfRqst OPTIONAL,
    iE-Extensions              ProtocolExtensionContainer { { UL-Timeslot-InformationModifyItem-PSCH-ReconfRqst-ExtIEs} } OPTIONAL,
    ...
}

UL-Timeslot-InformationModifyItem-PSCH-ReconfRqst-ExtIEs NBAP-PROTOCOL-EXTENSION ::= {
    ...
}

```

UL-Code-InformationModifyList-PSCH-ReconfRqst ::= SEQUENCE (SIZE (1..maxNrOfPUSCHs)) OF UL-Code-InformationModifyItem-PSCH-ReconfRqst

```
UL-Code-InformationModifyItem-PSCH-ReconfRqst ::= SEQUENCE {
  pUSCH-ID                PUSCH-ID,
  tdd-ChannelisationCode  TDD-ChannelisationCode,
  iE-Extensions           ProtocolExtensionContainer { { UL-Code-InformationModifyItem-PSCH-ReconfRqst-ExtIEs } } OPTIONAL,
  ...
}
```

```
UL-Code-InformationModifyItem-PSCH-ReconfRqst-ExtIEs NBAP-PROTOCOL-EXTENSION ::= {
  ...
}
```

```
PUSCH-ModifyInformation-LCR-ModifyItem-PSCH-ReconfRqst ::= SEQUENCE {
  repetitionPeriod          RepetitionPeriod          OPTIONAL,
  repetitionLength         RepetitionLength          OPTIONAL,
  tdd-PhysicalChannelOffset TDD-PhysicalChannelOffset OPTIONAL,
  uL-TimeSlot-InformationModifyList-LCR-PSCH-ReconfRqst UL-TimeSlot-LCR-InformationModifyList-PSCH-ReconfRqst OPTIONAL,
  iE-Extensions           ProtocolExtensionContainer { { PUSCH-ModifyInformation-LCR-ModifyItem-PSCH-ReconfRqst-ExtIEs } } OPTIONAL,
  ...
}
```

```
PUSCH-ModifyInformation-LCR-ModifyItem-PSCH-ReconfRqst-ExtIEs NBAP-PROTOCOL-EXTENSION ::= {
  ...
}
```

UL-TimeSlot-LCR-InformationModifyList-PSCH-ReconfRqst ::= SEQUENCE (SIZE (1..maxNrOfULTSLCRs)) OF UL-TimeSlot-LCR-InformationModifyItem-PSCH-ReconfRqst

```
UL-TimeSlot-LCR-InformationModifyItem-PSCH-ReconfRqst ::= SEQUENCE {
  timeSlotLCR                TimeSlotLCR,
  midambleShiftLCR          MidambleShiftLCR          OPTIONAL,
  tFCI-Presence              TFCI-Presence              OPTIONAL,
  uL-Code-InformationModifyList-PSCH-ReconfRqst UL-Code-InformationModifyList-PSCH-ReconfRqst OPTIONAL,
  iE-Extensions           ProtocolExtensionContainer { { UL-TimeSlot-LCR-InformationModifyItem-PSCH-ReconfRqst-ExtIEs } } OPTIONAL,
  ...
}
```

```
UL-TimeSlot-LCR-InformationModifyItem-PSCH-ReconfRqst-ExtIEs NBAP-PROTOCOL-EXTENSION ::= {
  ...
}
```

UL-Code-LCR-InformationModifyList-PSCH-ReconfRqst ::= SEQUENCE (SIZE (1..maxNrOfPUSCHs)) OF UL-Code-LCR-InformationModifyItem-PSCH-ReconfRqst

```
UL-Code-LCR-InformationModifyItem-PSCH-ReconfRqst ::= SEQUENCE {
  pUSCH-ID                PUSCH-ID,
  tdd-ChannelisationCodeLCR TDD-ChannelisationCodeLCR,
  iE-Extensions           ProtocolExtensionContainer { { UL-Code-LCR-InformationModifyItem-PSCH-ReconfRqst-ExtIEs } } OPTIONAL,
  ...
}
```

```

UL-Code-LCR-InformationModifyItem-PSCH-ReconfRqst-ExtIEs NBAP-PROTOCOL-EXTENSION ::= {
  ...
}

PUSCHSets-DeleteList-PSCH-ReconfRqst ::= SEQUENCE (SIZE (1..maxNrOfPUSCHSets)) OF PUSCHSets-DeleteItem-PSCH-ReconfRqst

PUSCHSets-DeleteItem-PSCH-ReconfRqst ::= SEQUENCE {
  pUSCHSet-ID          PUSCHSet-ID,
  iE-Extensions        ProtocolExtensionContainer { {PUSCHSets-DeleteItem-PSCH-ReconfRqst-ExtIEs} } OPTIONAL,
  ...
}

PUSCHSets-DeleteItem-PSCH-ReconfRqst-ExtIEs NBAP-PROTOCOL-EXTENSION ::= {
  ...
}

HS-PDSCH-TDD-Information-PSCH-ReconfRqst ::= SEQUENCE {
  dL-HS-PDSCH-Timeslot-Information-PSCH-ReconfRqst          DL-HS-PDSCH-Timeslot-Information-PSCH-ReconfRqst OPTIONAL,
  dL-HS-PDSCH-Timeslot-Information-LCR-PSCH-ReconfRqst      DL-HS-PDSCH-Timeslot-Information-LCR-PSCH-ReconfRqst OPTIONAL,
  iE-Extensions        ProtocolExtensionContainer { { HS-PDSCH-TDD-Information-PSCH-ReconfRqst-ExtIEs} } OPTIONAL,
  ...
}

HS-PDSCH-TDD-Information-PSCH-ReconfRqst-ExtIEs NBAP-PROTOCOL-EXTENSION ::= {
  ...
}

DL-HS-PDSCH-Timeslot-Information-PSCH-ReconfRqst ::= SEQUENCE (SIZE (1..maxNrOfDLTSs)) OF DL-HS-PDSCH-Timeslot-InformationItem-PSCH-ReconfRqst

DL-HS-PDSCH-Timeslot-InformationItem-PSCH-ReconfRqst ::= SEQUENCE {
  timeSlot          TimeSlot,
  midambleShiftAndBurstType MidambleShiftAndBurstType,
  dl-HS-PDSCH-Codelist-PSCH-ReconfRqst DL-HS-PDSCH-Codelist-PSCH-ReconfRqst,
  maxHSDSCH-HSSCCH-Power MaximumTransmissionPower OPTIONAL,
  iE-Extensions        ProtocolExtensionContainer { { DL-HS-PDSCH-Timeslot-InformationItem-PSCH-ReconfRqst-ExtIEs} } OPTIONAL,
  ...
}

DL-HS-PDSCH-Timeslot-InformationItem-PSCH-ReconfRqst-ExtIEs NBAP-PROTOCOL-EXTENSION ::= {
  ...
}

DL-HS-PDSCH-Codelist-PSCH-ReconfRqst ::= SEQUENCE (SIZE (1..maxNrOfHSPDSCHs)) OF TDD-ChannelisationCode

DL-HS-PDSCH-Timeslot-Information-LCR-PSCH-ReconfRqst ::= SEQUENCE (SIZE (1..maxNrOfDLTSLCRs)) OF DL-HS-PDSCH-Timeslot-InformationItem-LCR-PSCH-ReconfRqst

DL-HS-PDSCH-Timeslot-InformationItem-LCR-PSCH-ReconfRqst ::= SEQUENCE {
  timeSlot          TimeSlotLCR,
  midambleShiftAndBurstType MidambleShiftLCR,
  dl-HS-PDSCH-Codelist-LCR-PSCH-ReconfRqst DL-HS-PDSCH-Codelist-LCR-PSCH-ReconfRqst,

```



```

    maxHSDSCH-HSSCCH-Power          MaximumTransmissionPower    OPTIONAL,
    iE-Extensions                    ProtocolExtensionContainer { { DL-HS-PDSCH-Timeslot-InformationItem-LCR-PSCH-ReconfRqst-ExtIEs } }
    OPTIONAL,
    ...
}

DL-HS-PDSCH-Timeslot-InformationItem-LCR-PSCH-ReconfRqst-ExtIEs NBAP-PROTOCOL-EXTENSION ::= {
    ...
}

DL-HS-PDSCH-Codelist-LCR-PSCH-ReconfRqst ::= SEQUENCE (SIZE (1..maxNrOfHSPDSCHs)) OF TDD-ChannelisationCode

Add-To-HS-SCCH-Resource-Pool-PSCH-ReconfRqst ::= SEQUENCE {
    hS-SCCH-Information-PSCH-ReconfRqst    HS-SCCH-Information-PSCH-ReconfRqst    OPTIONAL,
    hS-SCCH-Information-LCR-PSCH-ReconfRqst HS-SCCH-Information-LCR-PSCH-ReconfRqst    OPTIONAL,
    iE-Extensions                          ProtocolExtensionContainer { { Add-To-HS-SCCH-Resource-Pool-PSCH-ReconfRqst-ExtIEs } }    OPTIONAL,
    ...
}

Add-To-HS-SCCH-Resource-Pool-PSCH-ReconfRqst-ExtIEs NBAP-PROTOCOL-EXTENSION ::= {
    ...
}

HS-SCCH-Information-PSCH-ReconfRqst ::= SEQUENCE (SIZE (1..maxNrOfHSSCCHs)) OF HS-SCCH-InformationItem-PSCH-ReconfRqst

HS-SCCH-InformationItem-PSCH-ReconfRqst ::= SEQUENCE {
    hS-SCCH-ID                HS-SCCH-ID,
    timeSlot                   TimeSlot,
    midambleShiftAndBurstType  MidambleShiftAndBurstType,
    tdd-ChannelisationCode     TDD-ChannelisationCode,
    hS-SCCH-MaxPower           DL-Power,
    hS-SICH-Information         HS-SICH-Information-PSCH-ReconfRqst,
    iE-Extensions              ProtocolExtensionContainer { { HS-SCCH-InformationItem-PSCH-ReconfRqst-ExtIEs } }    OPTIONAL,
    ...
}

HS-SCCH-InformationItem-PSCH-ReconfRqst-ExtIEs NBAP-PROTOCOL-EXTENSION ::= {
    ...
}

HS-SICH-Information-PSCH-ReconfRqst ::= SEQUENCE {
    hsSICH-ID                HS-SICH-ID,
    timeSlot                   TimeSlot,
    midambleShiftAndBurstType  MidambleShiftAndBurstType,
    tdd-ChannelisationCode     TDD-ChannelisationCode,
    iE-Extensions              ProtocolExtensionContainer { { HS-SICH-Information-PSCH-ReconfRqst-ExtIEs } }    OPTIONAL,
    ...
}

HS-SICH-Information-PSCH-ReconfRqst-ExtIEs NBAP-PROTOCOL-EXTENSION ::= {
    ...
}

```

HS-SCCH-Information-LCR-PSCH-ReconfRqst ::= SEQUENCE (SIZE (1..maxNrOfHSSCCHs)) OF HS-SCCH-InformationItem-LCR-PSCH-ReconfRqst

```

HS-SCCH-InformationItem-LCR-PSCH-ReconfRqst ::= SEQUENCE {
  hS-SCCH-ID                HS-SCCH-ID,
  timeSlotLCR               TimeSlotLCR,
  midambleShiftLCR          MidambleShiftLCR,
  first-TDD-ChannelisationCode TDD-ChannelisationCode,
  second-TDD-ChannelisationCode TDD-ChannelisationCode,
  hS-SCCH-MaxPower          DL-Power,
  hS-SICH-Information-LCR   HS-SICH-Information-LCR-PSCH-ReconfRqst,
  iE-Extensions             ProtocolExtensionContainer { { HS-SCCH-InformationItem-LCR-PSCH-ReconfRqst-ExtIEs } } OPTIONAL,
  ...
}

```

```

HS-SCCH-InformationItem-LCR-PSCH-ReconfRqst-ExtIEs NBAP-PROTOCOL-EXTENSION ::= {
  ...
}

```

```

HS-SICH-Information-LCR-PSCH-ReconfRqst ::= SEQUENCE {
  hsSICH-ID                HS-SICH-ID,
  timeSlotLCR              TimeSlotLCR,
  midambleShiftLCR         MidambleShiftLCR,
  tdd-ChannelisationCode   TDD-ChannelisationCode,
  iE-Extensions            ProtocolExtensionContainer { { HS-SICH-Information-LCR-PSCH-ReconfRqst-ExtIEs } } OPTIONAL,
  ...
}

```

```

HS-SICH-Information-LCR-PSCH-ReconfRqst-ExtIEs NBAP-PROTOCOL-EXTENSION ::= {
  ...
}

```

```

Modify-HS-SCCH-Resource-Pool-PSCH-ReconfRqst ::= SEQUENCE {
  hS-SCCH-InformationModify-PSCH-ReconfRqst HS-SCCH-InformationModify-PSCH-ReconfRqst OPTIONAL,
  hS-SCCH-InformationModify-LCR-PSCH-ReconfRqst HS-SCCH-InformationModify-LCR-PSCH-ReconfRqst OPTIONAL,
  iE-Extensions                               ProtocolExtensionContainer { { Modify-HS-SCCH-Resource-Pool-PSCH-ReconfRqst-ExtIEs } } OPTIONAL,
  ...
}

```

```

Modify-HS-SCCH-Resource-Pool-PSCH-ReconfRqst-ExtIEs NBAP-PROTOCOL-EXTENSION ::= {
  ...
}

```

HS-SCCH-InformationModify-PSCH-ReconfRqst ::= SEQUENCE (SIZE (1..maxNrOfHSSCCHs)) OF HS-SCCH-InformationModifyItem-PSCH-ReconfRqst

```

HS-SCCH-InformationModifyItem-PSCH-ReconfRqst ::= SEQUENCE {
  hS-SCCH-ID                HS-SCCH-ID,
  timeSlot                   TimeSlot OPTIONAL,
  midambleShiftAndBurstType MidambleShiftAndBurstType OPTIONAL,
  tdd-ChannelisationCode     TDD-ChannelisationCode OPTIONAL,
  hS-SCCH-MaxPower          DL-Power OPTIONAL,
  hS-SICH-Information        HS-SICH-InformationModify-PSCH-ReconfRqst OPTIONAL,
  iE-Extensions             ProtocolExtensionContainer { { HS-SCCH-InformationModifyItem-PSCH-ReconfRqst-ExtIEs } } OPTIONAL,
  ...
}

```

```

}
...
}
HS-SCCH-InformationModifyItem-PSCH-ReconfRqst-ExtIEs  NBAP-PROTOCOL-EXTENSION ::= {
...
}
HS-SICH-InformationModify-PSCH-ReconfRqst ::= SEQUENCE {
  hsSICH-ID          HS-SICH-ID,
  timeSlot           TimeSlot OPTIONAL,
  midambleShiftAndBurstType  MidambleShiftAndBurstType OPTIONAL,
  tdd-ChannelisationCode  TDD-ChannelisationCode OPTIONAL,
  iE-Extensions      ProtocolExtensionContainer { { HS-SICH-InformationModify-PSCH-ReconfRqst-ExtIEs} } OPTIONAL,
  ...
}
HS-SICH-InformationModify-PSCH-ReconfRqst-ExtIEs  NBAP-PROTOCOL-EXTENSION ::= {
...
}
HS-SCCH-InformationModify-LCR-PSCH-ReconfRqst ::= SEQUENCE (SIZE (1..maxNrOfHSSCCHs)) OF HS-SCCH-InformationModifyItem-LCR-PSCH-ReconfRqst
HS-SCCH-InformationModifyItem-LCR-PSCH-ReconfRqst ::= SEQUENCE {
  hS-SCCH-ID          HS-SCCH-ID,
  timeSlotLCR         TimeSlotLCR OPTIONAL,
  midambleShiftLCR    MidambleShiftLCR OPTIONAL,
  first-TDD-ChannelisationCode  TDD-ChannelisationCode OPTIONAL,
  second-TDD-ChannelisationCode  TDD-ChannelisationCode OPTIONAL,
  hS-SCCH-MaxPower    DL-Power OPTIONAL,
  HS-SICH-Information-LCR  HS-SICH-InformationModify-LCR-PSCH-ReconfRqst OPTIONAL,
  iE-Extensions      ProtocolExtensionContainer { { HS-SCCH-InformationModifyItem-LCR-PSCH-ReconfRqst-ExtIEs} } OPTIONAL,
  ...
}
HS-SCCH-InformationModifyItem-LCR-PSCH-ReconfRqst-ExtIEs  NBAP-PROTOCOL-EXTENSION ::= {
...
}
HS-SICH-InformationModify-LCR-PSCH-ReconfRqst ::= SEQUENCE {
  hsSICH-ID          HS-SICH-ID,
  timeSlotLCR         TimeSlotLCR OPTIONAL,
  midambleShiftLCR    MidambleShiftLCR OPTIONAL,
  tdd-ChannelisationCode  TDD-ChannelisationCode OPTIONAL,
  iE-Extensions      ProtocolExtensionContainer { { HS-SICH-InformationModify-LCR-PSCH-ReconfRqst-ExtIEs} } OPTIONAL,
  ...
}
HS-SICH-InformationModify-LCR-PSCH-ReconfRqst-ExtIEs  NBAP-PROTOCOL-EXTENSION ::= {
...
}
Delete-From-HS-SCCH-Resource-Pool-PSCH-ReconfRqst ::= SEQUENCE (SIZE (1..maxNrOfHSSCCHs)) OF Delete-From-HS-SCCH-Resource-PoolItem-PSCH-ReconfRqst

```

```

Delete-From-HS-SCCH-Resource-PoolItem-PSCH-ReconfRqst ::= SEQUENCE {
    hS-SCCH-ID                HS-SCCH-ID,
    iE-Extensions              ProtocolExtensionContainer { { Delete-From-HS-SCCH-Resource-PoolItem-PSCH-ReconfRqst-ExtIEs } }
    OPTIONAL,
    ...
}

```

```

Delete-From-HS-SCCH-Resource-PoolItem-PSCH-ReconfRqst-ExtIEs NBAP-PROTOCOL-EXTENSION ::= {
    ...
}

```

/* partly omitted */

```

-- *****
--
-- CELL SYNCHRONISATION RECONFIGURATION REQUEST TDD
--
-- *****

```

```

CellSynchronisationReconfigurationRequestTDD ::= SEQUENCE {
    protocolIEs                ProtocolIE-Container {{CellSynchronisationReconfigurationRequestTDD-IEs}},
    protocolExtensions         ProtocolExtensionContainer {{CellSynchronisationReconfigurationRequestTDD-Extensions}}    OPTIONAL,
    ...
}

```

```

CellSynchronisationReconfigurationRequestTDD-Extensions NBAP-PROTOCOL-EXTENSION ::= {
    { ID id-NSubCyclesPerCyclePeriod-CellSyncReconfRqstTDD                CRITICALITY reject EXTENSION                NSubCyclesPerCyclePeriod
      PRESENCE optional }| -- Applicable to 1.28Mcps TDD only
    { ID id-SYNCDlCodeIdTransReconfInfoLCR-CellSyncReconfRqstTDD         CRITICALITY reject EXTENSION                SYNCDlCodeIdTransReconfInfoLCR-
      PRESENCE optional }| -- Applicable to 1.28Mcps TDD only
    { ID id-SYNCDlCodeIdMeasReconfigurationLCR-CellSyncReconfRqstTDD     CRITICALITY reject EXTENSION                SYNCDlCodeIdMeasInfoLCR-
      PRESENCE optional }, -- Applicable to 1.28Mcps TDD only
    ...
}

```

```

CellSynchronisationReconfigurationRequestTDD-IEs NBAP-PROTOCOL-IES ::= {
    { ID id-C-ID                CRITICALITY reject TYPE C-ID                PRESENCE mandatory
    }|
    { ID id-TimeSlot            CRITICALITY reject TYPE TimeSlot            PRESENCE mandatory }|
    -- Applicable to 3.84Mcps TDD only. For 1.28Mcps TDD, the CRNC should set this to 0 and the Node B shall ignore it.
    { ID id-NCyclesPerSFNperiod CRITICALITY reject TYPE NCyclesPerSFNperiod PRESENCE mandatory }|
    { ID id-NRepetitionsPerCyclePeriod CRITICALITY reject TYPE NRepetitionsPerCyclePeriod PRESENCE mandatory }|
    { ID id-CellSyncBurstTransReconfInfo-CellSyncReconfRqstTDD         CRITICALITY reject TYPE
      CellSyncBurstTransReconfInfo-CellSyncReconfRqstTDD PRESENCE optional }| -- Applicable to 3.84Mcps TDD only
    { ID id-CellSyncBurstMeasReconfiguration-CellSyncReconfRqstTDD     CRITICALITY reject TYPE CellSyncBurstMeasInfo-
      CellSyncReconfRqstTDD PRESENCE optional }, -- Applicable to 3.84Mcps TDD only
    ...
}

```

CellSyncBurstTransReconfInfo-CellSyncReconfRqstTDD ::= SEQUENCE (SIZE (1.. maxNrOfCellSyncBursts)) OF CellSyncBurstTransInfoItem-CellSyncReconfRqstTDD

```
CellSyncBurstTransInfoItem-CellSyncReconfRqstTDD ::= SEQUENCE {
  cSBTransmissionID          CSBTransmissionID,
  syncFrameNumberToTransmit  SyncFrameNumber,
  cellSyncBurstCode          CellSyncBurstCode          OPTIONAL,
  cellSyncBurstCodeShift    CellSyncBurstCodeShift    OPTIONAL,
  dlTransPower               DL-Power                  OPTIONAL,
  iE-Extensions              ProtocolExtensionContainer { { CellSyncBurstTransInfoItem-CellSyncReconfRqstTDD-ExtIEs} }
  OPTIONAL,
  ...
}
```

```
CellSyncBurstTransInfoItem-CellSyncReconfRqstTDD-ExtIEs NBAP-PROTOCOL-EXTENSION ::= {
  ...
}
```

```
CellSyncBurstMeasInfo-CellSyncReconfRqstTDD ::= SEQUENCE {
  cellSyncBurstMeasInfoList-CellSyncReconfRqstTDD CellSyncBurstMeasInfoList-CellSyncReconfRqstTDD,
  synchronisationReportType                      SynchronisationReportTypeIE          OPTIONAL,
  synchronisationReportCharacteristics           SynchronisationReportCharacteristicsIE  OPTIONAL,
  iE-Extensions                                 ProtocolExtensionContainer { { SYNCd1CodeIdMeasInfoLCR-CellSyncReconfRqstTDD-ExtIEs} }
  OPTIONAL,
  ...
}
```

```
SYNCd1CodeIdMeasInfoLCR-CellSyncReconfRqstTDD-ExtIEs NBAP-PROTOCOL-EXTENSION ::= {
  ...
}
```

```
CellSyncBurstMeasInfoList-CellSyncReconfRqstTDD ::= ProtocolIE-Single-Container {{ CellSyncBurstMeasInfoListIEs-CellSyncReconfRqstTDD }}
```

```
CellSyncBurstMeasInfoListIEs-CellSyncReconfRqstTDD NBAP-PROTOCOL-IES ::= {
  { ID id-CellSyncBurstMeasInfoList-CellSyncReconfRqstTDD  CRITICALITY reject  TYPE CellSyncBurstMeasInfoListIE-CellSyncReconfRqstTDD
  PRESENCE mandatory }
}
```

```
SynchronisationReportTypeIE ::= ProtocolIE-Single-Container {{ SynchronisationReportTypeIEs }}
```

```
SynchronisationReportTypeIEs NBAP-PROTOCOL-IES ::= {
  { ID id-SynchronisationReportType  CRITICALITY reject  TYPE SynchronisationReportType  PRESENCE
  mandatory }
}
```

```
SynchronisationReportCharacteristicsIE ::= ProtocolIE-Single-Container {{ SynchronisationReportCharacteristicsIEs }}
```

```
SynchronisationReportCharacteristicsIEs NBAP-PROTOCOL-IES ::= {
  { ID id-SynchronisationReportCharacteristics  CRITICALITY reject  TYPE SynchronisationReportCharacteristics  PRESENCE mandatory }
}
```

CellSyncBurstMeasInfoListIE-CellSyncReconfRqstTDD ::= SEQUENCE (SIZE (1.. maxNrOfCellSyncBursts)) OF CellSyncBurstMeasInfoItem-CellSyncReconfRqstTDD

```
CellSyncBurstMeasInfoItem-CellSyncReconfRqstTDD ::= SEQUENCE {
    syncFrameNrToReceive          SyncFrameNumber,
    syncBurstInfo                 CellSyncBurstInfoList-CellSyncReconfRqstTDD,
    iE-Extensions                 ProtocolExtensionContainer { { CellSyncBurstMeasInfoItem-CellSyncReconfRqstTDD-ExtIEs} } OPTIONAL,
    ...
}
```

```
CellSyncBurstMeasInfoItem-CellSyncReconfRqstTDD-ExtIEs NBAP-PROTOCOL-EXTENSION ::= {
    ...
}
```

CellSyncBurstInfoList-CellSyncReconfRqstTDD ::= SEQUENCE (SIZE (1..maxNrOfReceptsPerSyncFrame)) OF CellSyncBurstInfoItem-CellSyncReconfRqstTDD

```
CellSyncBurstInfoItem-CellSyncReconfRqstTDD ::= SEQUENCE {
    cSBMeasurementID             CSBMeasurementID,
    cellSyncBurstCode            CellSyncBurstCode,
    cellSyncBurstCodeShift      CellSyncBurstCodeShift,
    iE-Extensions                 ProtocolExtensionContainer { { CellSyncBurstMeasInfo-CellSyncReconfRqstTDD-ExtIEs} } OPTIONAL,
    ...
}
```

```
CellSyncBurstMeasInfo-CellSyncReconfRqstTDD-ExtIEs NBAP-PROTOCOL-EXTENSION ::= {
    ...
}
```

SYNCD1CodeIdTransReconfInfoLCR-CellSyncReconfRqstTDD ::= SEQUENCE (SIZE (1..maxNrOfSyncFramesLCR)) OF SYNCD1CodeIdTransReconfItemLCR-CellSyncReconfRqstTDD

```
SYNCD1CodeIdTransReconfItemLCR-CellSyncReconfRqstTDD ::= SEQUENCE {
    cSBTransmissionID           CSBTransmissionID,
    syncFrameNumberforTransmit  SyncFrameNumber,
    uARFCN                       UARFCN,
    sYNCD1CodeId                 SYNCD1CodeId OPTIONAL,
    dwPCH-Power                  DwPCH-Power OPTIONAL,
    iE-Extensions                 ProtocolExtensionContainer { { SYNCD1CodeIdTransReconfInfoLCR-CellSyncReconfRqstTDD-ExtIEs} } OPTIONAL,
    ...
}
```

```
SYNCD1CodeIdTransReconfInfoLCR-CellSyncReconfRqstTDD-ExtIEs NBAP-PROTOCOL-EXTENSION ::= {
    ...
}
```

```
SYNCD1CodeIdMeasInfoLCR-CellSyncReconfRqstTDD NBAP-PROTOCOL-IES ::= SEQUENCE {
  { ID id SYNCD1CodeIdMeasInfoList-CellSyncReconfRqstTDD CRITICALITY reject TYPE SYNCD1CodeIdMeasInfoList-CellSyncReconfRqstTDD PRESENCE
  mandatory }+
  { ID id SynchronisationReportType CRITICALITY reject TYPE SynchronisationReportType PRESENCE
  optional }+
  { ID id SynchronisationReportCharacteristics CRITICALITY reject TYPE SynchronisationReportCharacteristics PRESENCE optional }+,
```

```

sYNCDlCodeIdMeasInfoList          SYNCDlCodeIdMeasInfoList-CellSyncReconfRqstTDD,
synchronisationReportType        SynchronisationReportType          OPTIONAL,
synchronisationReportCharacteristics SynchronisationReportCharacteristics OPTIONAL,
iE-Extensions                     ProtocolExtensionContainer { { SYNCDlCodeIdMeasInfoLCR-CellSyncReconfRqstTDD-ExtIEs } } OPTIONAL,
...
}

SYNCDlCodeIdMeasInfoLCR-CellSyncReconfRqstTDD-ExtIEs NBAP-PROTOCOL-EXTENSION ::= {
...
}

SYNCDlCodeIdMeasInfoList-CellSyncReconfRqstTDD ::= SEQUENCE (SIZE (1.. maxNrOfSyncDLCodesLCR)) OF SYNCDlCodeIdMeasInfoItem-CellSyncReconfRqstTDD

SYNCDlCodeIdMeasInfoItem-CellSyncReconfRqstTDD ::= SEQUENCE {
syncFrameNrToReceive             SyncFrameNumber,
sYNCDlCodeIdInfoLCR              SYNCDlCodeIdInfoListLCR-CellSyncReconfRqstTDD,
iE-Extensions                    ProtocolExtensionContainer { { SYNCDlCodeIdMeasInfoItem-CellSyncReconfRqstTDD-ExtIEs } } OPTIONAL,
...
}

SYNCDlCodeIdMeasInfoItem-CellSyncReconfRqstTDD-ExtIEs NBAP-PROTOCOL-EXTENSION ::= {
...
}

SYNCDlCodeIdInfoListLCR-CellSyncReconfRqstTDD ::= SEQUENCE (SIZE (1.. maxNrOfReceptionsperSyncFrameLCR)) OF SYNCDlCodeIdInfoItemLCR-CellSyncReconfRqstTDD

SYNCDlCodeIdInfoItemLCR-CellSyncReconfRqstTDD ::= SEQUENCE {
cSBMeasurementID                 CSBMeasurementID,
sYNCDlCodeId                     SYNCDlCodeId,
uARFCN                           UARFCN,
propagationDelayCompensation      TimingAdjustmentValueLCR    OPTIONAL,
iE-Extensions                    ProtocolExtensionContainer { { SYNCDlCodeIdInfoLCR-CellSyncReconfRqstTDD-ExtIEs } } OPTIONAL,
...
}

SYNCDlCodeIdInfoLCR-CellSyncReconfRqstTDD-ExtIEs NBAP-PROTOCOL-EXTENSION ::= {
...
}

/* partly omitted */

-- *****
--
-- CELL SYNCHRONISATION REPORT TDD
--
-- *****

CellSynchronisationReportTDD ::= SEQUENCE {
protocolIEs                       ProtocolIE-Container   {{CellSynchronisationReportTDD-IEs}},
protocolExtensions                 ProtocolExtensionContainer {{CellSynchronisationReportTDD-Extensions}} OPTIONAL,
...
}

```

```

}

CellSynchronisationReportTDD-Extensions NBAP-PROTOCOL-EXTENSION ::= {
  ...
}

CellSynchronisationReportTDD-IEs NBAP-PROTOCOL-IES ::= {
  { ID      id-CellSyncInfo-CellSyncReprtTDD      CRITICALITY ignore      TYPE      CellSyncInfo-CellSyncReprtTDD      PRESENCE mandatory  },
  ...
}

CellSyncInfo-CellSyncReprtTDD ::= SEQUENCE (SIZE (1..maxCellinNodeB)) OF CellSyncInfoItemIE-CellSyncReprtTDD

CellSyncInfoItemIE-CellSyncReprtTDD ::= SEQUENCE {
  c-ID-CellSyncReprtTDD      C-ID-IE-CellSyncReprtTDD,
  syncReportType-CellSyncReprtTDD      SyncReportTypeIE-CellSyncReprtTDD      OPTIONAL,
  ...
}

C-ID-IE-CellSyncReprtTDD ::= ProtocolIE-Single-Container {{ C-ID-IEs-CellSyncReprtTDD }}

C-ID-IEs-CellSyncReprtTDD NBAP-PROTOCOL-IES ::= {
  { ID      id-C-ID      CRITICALITY ignore      TYPE C-ID
    PRESENCE      mandatory}
}

SyncReportTypeIE-CellSyncReprtTDD ::= ProtocolIE-Single-Container {{ SyncReportTypeIEs-CellSyncReprtTDD }}

SyncReportTypeIEs-CellSyncReprtTDD NBAP-PROTOCOL-IES ::= {
  { ID      id-SyncReportType-CellSyncReprtTDD      CRITICALITY ignore      TYPE SyncReportType-CellSyncReprtTDD      PRESENCE mandatory}
}

SyncReportType-CellSyncReprtTDD ::= CHOICE {
  intStdPhSyncInfo-CellSyncReprtTDD      IntStdPhCellSyncInfo-CellSyncReprtTDD,
  lateEntrantCell      NULL,
  frequencyAcquisition      NULL,
  ...
}

IntStdPhCellSyncInfo-CellSyncReprtTDD ::= SEQUENCE {
  cellSyncBurstMeasuredInfo      CellSyncBurstMeasInfoList-CellSyncReprtTDD,
  iE-Extensions      ProtocolExtensionContainer { { IntStdPhCellSyncInfoList-CellSyncReprtTDD-ExtIEs} }      OPTIONAL,
  ...
}

IntStdPhCellSyncInfoList-CellSyncReprtTDD-ExtIEs NBAP-PROTOCOL-EXTENSION ::= {
  { ID id-AccumulatedClockupdate-CellSyncReprtTDD      CRITICALITY ignore      EXTENSION      TimingAdjustmentValue      PRESENCE optional }|
  { ID id-SyncDLCodeIdsMeasInfoList-CellSyncReprtTDD      CRITICALITY ignore      EXTENSION      SyncDLCodeIdsMeasInfoList-CellSyncReprtTDD      PRESENCE
optional }, -- Mandatory for 1.28Mcps TDD. Not Applicable to 3.84Mcps TDD.
  ...
}

```



```

CellSyncBurstMeasInfoList-CellSyncReprtTDD ::= SEQUENCE (SIZE (0..maxNrOfCellSyncBursts)) OF CellSyncBurstMeasInfoItem-CellSyncReprtTDD ---
Mandatory for 3.84Mcps TDD. Not Applicable to 1.28Mcps TDD.

CellSyncBurstMeasInfoItem-CellSyncReprtTDD ::= SEQUENCE {
    sFN                               SFN,
    cellSyncBurstInfo-CellSyncReprtTDD SEQUENCE (SIZE (1..maxNrOfReceptsPerSyncFrame)) OF CellSyncBurstInfo-CellSyncReprtTDD,
    iE-Extensions                     ProtocolExtensionContainer { { CellSyncBurstMeasInfoItem-CellSyncReprtTDD-ExtIEs } } OPTIONAL,
    ...
}

CellSyncBurstMeasInfoItem-CellSyncReprtTDD-ExtIEs NBAP-PROTOCOL-EXTENSION ::= {
    ...
}

CellSyncBurstInfo-CellSyncReprtTDD ::= CHOICE {
    cellSyncBurstAvailable      CellSyncBurstAvailable-CellSyncReprtTDD,
    cellSyncBurstNotAvailable   NULL,
    ...
}

CellSyncBurstAvailable-CellSyncReprtTDD ::= SEQUENCE {
    cellSyncBurstTiming         CellSyncBurstTiming,
    cellSyncBurstSIR            CellSyncBurstSIR,
    iE-Extensions               ProtocolExtensionContainer { { CellSyncBurstAvailable-CellSyncReprtTDD-ExtIEs } } OPTIONAL,
    ...
}

CellSyncBurstAvailable-CellSyncReprtTDD-ExtIEs NBAP-PROTOCOL-EXTENSION ::= {
    ...
}

SyncDLCodeIdsMeasInfoList-CellSyncReprtTDD ::= SEQUENCE (SIZE (0..maxNrOfSyncFramesLCR)) OF SyncDLCodeIdsMeasInfoItem-CellSyncReprtTDD
-- Mandatory for 1.28Mcps TDD. Not Applicable to 3.84Mcps TDD.

SyncDLCodeIdsMeasInfoItem-CellSyncReprtTDD ::= SEQUENCE {
    sFN                               SFN,
    syncDLCodeIdInfo-CellSyncReprtTDD SyncDLCodeIdInfo-CellSyncReprtTDD,
    iE-Extensions                     ProtocolExtensionContainer { { SyncDLCodeIdsMeasInfoItem-CellSyncReprtTDD-ExtIEs } } OPTIONAL,
    ...
}

SyncDLCodeIdsMeasInfoItem-CellSyncReprtTDD-ExtIEs NBAP-PROTOCOL-EXTENSION ::= {
    ...
}

SyncDLCodeIdInfo-CellSyncReprtTDD ::= SEQUENCE (SIZE (1..maxNrOfReceptionsperSyncFrameLCR)) OF SyncDLCodeIdItem-CellSyncReprtTDD

SyncDLCodeIdItem-CellSyncReprtTDD ::= CHOICE {
    syncDLCodeIdAvailable        SyncDLCodeIdAvailable-CellSyncReprtTDD,
    syncDLCodeIDNotAvailable     NULL,
    ...
}

```

```

SyncDLCodeIdAvailable-CellSyncReprtTDD ::= SEQUENCE {
    syncDLCodeIdTiming          CellSyncBurstTimingLCR,
    syncDLCodeIdSIR            CellSyncBurstSIR,
    iE-Extensions              ProtocolExtensionContainer { { SyncDLCodeIdAvailable-CellSyncReprtTDD-ExtIEs } } OPTIONAL,
    ...
}

SyncDLCodeIdAvailable-CellSyncReprtTDD-ExtIEs NBAP-PROTOCOL-EXTENSION ::= {
    ...
}

```

/* partly omitted */

9.3.4 Information Elements Definitions

/* partly omitted */

```

-- =====
-- S
-- =====

```

/* partly omitted */

```

MaxAdjustmentStep          ::= INTEGER(1..10)
-- Unit Slot

```

```

| SchedulingPriorityIndicator          ::= INTEGER (0..15)          --- lowest (0), highest (15)

```

```

SID ::= INTEGER (0..maxNrOfMACdPDUIndexes-1)

```

/* partly omitted */

```

SyncFrameNumber ::= INTEGER (1..10)

```

```

SynchronisationReportCharacteristics ::= SEQUENCE {
    synchronisationReportCharacteristicsType SynchronisationReportCharacteristicsType,
    synchronisationReportCharactThreExc      SynchronisationReportCharactThreExc OPTIONAL,
    -- This IE shall be included if the synchronisationReportCharacteristicsType IE is set to "thresholdExceeding".
    iE-Extensions                          ProtocolExtensionContainer { { SynchronisationReportCharacteristics-ExtIEs } } OPTIONAL,
    ...
}

```

```

SynchronisationReportCharacteristics-ExtIEs NBAP-PROTOCOL-EXTENSION ::= {
    { ID id-SyncDLCodeIdThreInfoLCR CRITICALITY ignore EXTENSION SyncDLCodeIdThreInfoLCR PRESENCE optional },
    ...
}

```

```

| SynchronisationReportCharactThreExc ::= SEQUENCE (SIZE (1..maxNrOfCellSyncBursts)) OF SynchronisationReportCharactThreInfoItem --- Mandatory
for 3.84Mcps TDD only. Not Applicable to 1.28Mcps TDD.

```

/* partly omitted */

CHANGE REQUEST

25.433 CR 984 # rev - # Current version: 5.7.0

For **HELP** 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 Radio Access Network Core Network

Title:	# Correction to HS-SCCH Code Range		
Source:	# RAN3		
Work item code:	# HSDPA-lublur	Date:	# 16/02/2004
Category:	# F	Release:	# Rel-5
	Use <u>one</u> of the following categories:		Use <u>one</u> of the following releases:
	F (correction)	2	(GSM Phase 2)
	A (corresponds to a correction in an earlier release)	R96	(Release 1996)
	B (addition of feature),	R97	(Release 1997)
	C (functional modification of feature)	R98	(Release 1998)
	D (editorial modification)	R99	(Release 1999)
	Detailed explanations of the above categories can be found in 3GPP TR 21.900 .	Rel-4	(Release 4)
		Rel-5	(Release 5)
		Rel-6	(Release 6)

Reason for change:	# In the tabular format of the NBAP specification, the <i>Code Number</i> IE in the <i>HS-SCCH Specific Information Response</i> IE within the <i>HS-DSCH FDD Information Response</i> IE is defined as an Integer (0..127). This is also the case in the tabular format and in the ASN.1 in RNSAP. However, in the ASN.1 description of NBAP, it is defined as an Integer (1..127). It is true that if HSDPA is using the Primary Scrambling Code then the Channelisation Code Number 0 cannot be used since C0,256 is used for the P-CCPCH. However, if HSDPA is using a Secondary Scrambling Code, then nothing prevents to use the Channelisation Code 0.
Summary of change:	# The Code Number IE is corrected to be an Integer (0..127) in the ASN.1. <u>Impact Analysis:</u> Impact assessment towards the previous version of the specification (same release): This CR has isolated impact with the previous version of the specification (same release) because it affects only one function: HSDPA. This CR has an impact under protocol point of view. The impact can be considered isolated because the change affects only one system function namely the HSDPA.
Consequences if not approved:	# RAN3 specifications will remain inconsistent and Code allocation for the HS-SCCH will remain unnecessarily restricted.

Clauses affected:	⌘	9.3.4										
Other specs affected:	⌘	<table border="1"><tr><td>Y</td><td>N</td></tr><tr><td>X</td><td></td></tr><tr><td></td><td>X</td></tr><tr><td></td><td>X</td></tr></table>	Y	N	X			X		X	Other core specifications	⌘ CR 985 on 25.433 v 6.0.0
		Y	N									
		X										
	X											
	X											
	Test specifications											
	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 <http://www.3gpp.org/specs/CR.htm>. Below is a brief summary:

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

9.3.4 Information Elements Definitions

```
--*****
--
-- Information Element Definitions
--
--*****
```

```
NBAP-IEs {
itu-t (0) identified-organization (4) etsi (0) mobileDomain (0)
umts-Access (20) modules (3) nbap (2) version1 (1) nbap-IEs (2) }
```

```
DEFINITIONS AUTOMATIC TAGS ::=
BEGIN
```

UNCHANGED TEXT IS REMOVED

```
HSSCCH-Specific-InformationRespListFDD ::= SEQUENCE (SIZE (1..maxNrOfHSSCCHCodes)) OF HSSCCH-Codes
```

```
HSSCCH-Codes ::= SEQUENCE {
  codeNumber                INTEGER (1..127),
  iE-Extensions             ProtocolExtensionContainer { { HSSCCH-Specific-InformationRespItemFDD-ExtIEs } } OPTIONAL,
  ...
}
```

```
HSSCCH-Specific-InformationRespItemFDD-ExtIEs NBAP-PROTOCOL-EXTENSION ::= {
  ...
}
```

UNCHANGED TEXT IS REMOVED

CHANGE REQUEST

25.433 CR 985 # rev - # Current version: 6.0.0

For **HELP** 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 Radio Access Network Core Network

Title:	# Correction to HS-SCCH Code Range		
Source:	# RAN3		
Work item code:	# HSDPA-lublur	Date:	# 16/02/2004
Category:	# A	Release:	# Rel-6
	Use <u>one</u> of the following categories:		Use <u>one</u> of the following releases:
	F (correction)		2 (GSM Phase 2)
	A (corresponds to a correction in an earlier release)		R96 (Release 1996)
	B (addition of feature),		R97 (Release 1997)
	C (functional modification of feature)		R98 (Release 1998)
	D (editorial modification)		R99 (Release 1999)
	Detailed explanations of the above categories can be found in 3GPP TR 21.900 .		Rel-4 (Release 4)
			Rel-5 (Release 5)
			Rel-6 (Release 6)

Reason for change:	# In the tabular format of the NBAP specification, the <i>Code Number</i> IE in the <i>HS-SCCH Specific Information Response</i> IE within the <i>HS-DSCH FDD Information Response</i> IE is defined as an Integer (0..127). This is also the case in the tabular format and in the ASN.1 in RNSAP. However, in the ASN.1 description of NBAP, it is defined as an Integer (1..127). It is true that if HSDPA is using the Primary Scrambling Code then the Channelisation Code Number 0 cannot be used since C0,256 is used for the P-CCPCH. However, if HSDPA is using a Secondary Scrambling Code, then nothing prevents to use the Channelisation Code 0.
Summary of change:	# The Code Number IE is corrected to be an Integer (0..127) in the ASN.1. <u>Impact Analysis:</u> Impact assessment towards the previous version of the specification (same release): This CR has isolated impact with the previous version of the specification (same release) because it affects only one function: HSDPA. This CR has an impact under protocol point of view. The impact can be considered isolated because the change affects only one system function namely the HSDPA.
Consequences if not approved:	# RAN3 specifications will remain inconsistent and Code allocation for the HS-SCCH will remain unnecessarily restricted.

Clauses affected:	⌘	9.3.4								
Other specs affected:		<table border="1"> <tr> <td>Y</td> <td>N</td> </tr> <tr> <td>X</td> <td></td> </tr> <tr> <td></td> <td>X</td> </tr> <tr> <td></td> <td>X</td> </tr> </table>	Y	N	X			X		X
	Y	N								
	X									
	X									
	X									
	⌘	CR 984 on 25.433 v 5.7.0								
Other comments:	⌘									

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9.3.4 Information Elements Definitions

```

--*****
--
-- Information Element Definitions
--
--*****

```

```

NBAP-IEs {
itu-t (0) identified-organization (4) etsi (0) mobileDomain (0)
umts-Access (20) modules (3) nbap (2) version1 (1) nbap-IEs (2) }

```

```

DEFINITIONS AUTOMATIC TAGS ::=
BEGIN

```

UNCHANGED TEXT IS REMOVED

```

HSSCCH-Specific-InformationRespListFDD ::= SEQUENCE (SIZE (1..maxNrOfHSSCCHCodes)) OF HSSCCH-Codes

```

```

HSSCCH-Codes ::= SEQUENCE {
  codeNumber          INTEGER (1..127),
  iE-Extensions      ProtocolExtensionContainer { { HSSCCH-Specific-InformationRespItemFDD-ExtIEs } } OPTIONAL,
  ...
}

```

```

HSSCCH-Specific-InformationRespItemFDD-ExtIEs NBAP-PROTOCOL-EXTENSION ::= {
  ...
}

```

UNCHANGED TEXT IS REMOVED