

CHANGE REQUEST

⌘ **25.433 CR 1090** ⌘ rev **1** ⌘ Current version: **6.4.0** ⌘

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:	⌘ Time alignment in MBMS transmission channels		
Source:	⌘ Siemens		
Work item code:	⌘ MBMS-RAN	Date:	⌘ 04/03/2005
Category:	⌘ C 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-6 Use <u>one</u> of the following releases: Ph2 (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) Rel-7 (Release 7)

Reason for change:	⌘ To allow setup of time aligned MBMS transmission channels		
Summary of change:	⌘ Introduction a new <i>FDD S-CCPCH Frame Offset</i> IE in the COMMON TRANSPORT CHANNEL SETUP REQUEST message.		
Consequences if not approved:	⌘ No time aligned transport channels for transmission of MBMS service in ptm mode can be achieved. This alignment is however necessary to ease the MBMS related synchronisation requirements to UTRAN.		

Clauses affected:	⌘ 9.1.3.1, New chapter 9.2.2.x, 9.3.3, 9.3.4, 9.3.6										
Other specs affected:	<table border="1" style="display: inline-table; border-collapse: collapse;"> <tr> <td style="width: 20px; text-align: center;">Y</td> <td style="width: 20px; text-align: center;">N</td> </tr> <tr> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input checked="" type="checkbox"/></td> </tr> <tr> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input checked="" type="checkbox"/></td> </tr> <tr> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input checked="" type="checkbox"/></td> </tr> </table>	Y	N	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Other core specifications ⌘ Test specifications ⌘ O&M Specifications ⌘	
Y	N										
<input type="checkbox"/>	<input checked="" type="checkbox"/>										
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<input type="checkbox"/>	<input checked="" type="checkbox"/>										
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.

8.2.1 Common Transport Channel Setup

8.2.1.1 General

This procedure is used for establishing the necessary resources in Node B, regarding Secondary CCPCH, PICH, PRACH, PCPCH [FDD], AICH [FDD], AP_AICH [FDD], CD/CA-ICH [FDD], FACH, PCH, RACH, FPACH [1.28Mcps TDD] and CPCH [FDD].

8.2.1.2 Successful Operation

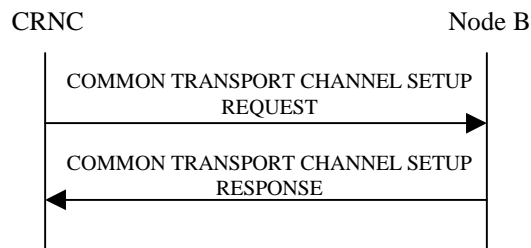


Figure 1: Common Transport Channel Setup procedure, Successful Operation

The procedure is initiated with a COMMON TRANSPORT CHANNEL SETUP REQUEST message sent from the CRNC to the Node B using the Node B Control Port.

One message can configure only one of the following combinations:

- [FDD - one Secondary CCPCH, and FACHs, PCH, PICH and MICH related to that Secondary CCPCH], or
- [TDD - one CCTrCH consisting of Secondary CCPCHs and FACHs, PCH with the corresponding PICH and MICH related to that group of Secondary CCPCHs], or
- one [1.28Mcps TDD - or more] PRACH, one RACH and one AICH [FDD] and one FPACH[1.28Mcps TDD] related to that PRACH.
- [FDD - PCPCHs, one CPCH, one AP_AICH and one CD/CA-ICH related to that group of PCPCHs.]

Secondary CCPCH:

[FDD - When the COMMON TRANSPORT CHANNEL SETUP REQUEST message contains the *Secondary CCPCH* IE, the Node B shall configure and activate the indicated Secondary CCPCH according to the COMMON TRANSPORT CHANNEL SETUP REQUEST message.]

[FDD – If the COMMON TRANSPORT CHANNEL SETUP REQUEST message contains the *FDD S-CCPCH Frame Offset* IE within the *Secondary CCPCH* IE, the Node B shall apply the indicated frame offset for the concerned Secondary CCPCH.]

[TDD - When the COMMON TRANSPORT CHANNEL SETUP REQUEST message contains the *Secondary CCPCH* IE, the Node B shall configure and activate the indicated Secondary CCPCH(s) according to the COMMON TRANSPORT CHANNEL SETUP REQUEST message.]

[TDD - FACHs and PCH may be mapped onto a CCTrCH which may consist of several Secondary CCPCHs]

If the COMMON TRANSPORT CHANNEL SETUP REQUEST message contains the *FACH Parameters* IE, the Node B shall configure and activate the indicated FACH(s) according to the COMMON TRANSPORT CHANNEL SETUP REQUEST message.

If the COMMON TRANSPORT CHANNEL SETUP REQUEST message contains the *PCH Parameters* IE, the Node B shall configure and activate the concerned PCH and the associated PICH according to the COMMON TRANSPORT CHANNEL SETUP REQUEST message.

[1.28Mcps TDD - If the *PCH Power* IE is included in the *PCH Parameters* IE of the COMMON TRANSPORT CHANNEL SETUP REQUEST, the Node B shall use this value as the power at which the PCH shall be transmitted.]

[TDD - If the *TSTD Indicator* IE for the S-CCPCH is included and is set to "active" in the COMMON TRANSPORT CHANNEL SETUP REQUEST, the Node B shall activate TSTD diversity for all S-CCPCHs defined in the message that are not beacon channels [19,21]. If the *TSTD Indicator* IE is not included or is set to "not active" in the COMMON TRANSPORT CHANNEL SETUP REQUEST, the Node B shall not activate TSTD diversity for the S-CCPCHs defined in the message.]

[1.28Mcps TDD - If the *TSTD Indicator* IE for the PICH is included and is set to "active" in the COMMON TRANSPORT CHANNEL SETUP REQUEST message, the Node B shall activate TSTD diversity for the PICH if it is not a beacon channel [19,21]. If the *TSTD Indicator* IE is set to "not active" or the *TSTD Indicator* IE is not included for the PICH in the COMMON TRANSPORT CHANNEL SETUP REQUEST message, the Node B shall not activate TSTD diversity for the PICH.]

If the COMMON TRANSPORT CHANNEL SETUP REQUEST message contains the *MICH Parameters* IE, the Node B shall configure and activate the concerned MICH according to the COMMON TRANSPORT CHANNEL SETUP REQUEST message.

PRACH:

When the COMMON TRANSPORT CHANNEL SETUP REQUEST message contains the *PRACH* IE, the Node B shall configure and activate the indicated PRACH and the associated RACH [FDD - and the associated AICH] according to the COMMON TRANSPORT CHANNEL SETUP REQUEST message.

[1.28Mcps TDD - FPACH]:

If the COMMON TRANSPORT CHANNEL SETUP REQUEST message contains the *FPACH* IE, the Node B shall configure and activate the indicated FPACH according to the COMMON TRANSPORT CHANNEL SETUP REQUEST message.

Where more than one FPACH is defined, the FPACH that Node B should use is defined by the UpPCH signature (SYNC_UL) code that the UE used. The FPACH number = $N \bmod M$ where N denotes the signature number (0..7) and M denotes the number of FPACHs that are defined in a cell. The FPACH number is in ascending order by *Common Physical Channel ID* IE contained in the COMMON TRANSPORT CHANNEL SETUP REQUEST message.

[FDD - PCPCHs]:

When the COMMON TRANSPORT CHANNEL SETUP REQUEST message contains the *CPCH Parameters* IE, the Node B shall configure and activate the indicated CPCH and the associated PCPCH(s), AP-AICH and CD/CA-ICH according to the COMMON TRANSPORT CHANNEL SETUP REQUEST message.

If the COMMON TRANSPORT CHANNEL SETUP REQUEST message includes *CD Signatures* IE, the Node B may use only the given CD signatures on CD/CA-ICH. Otherwise, the Node B may use all the CD signatures on CD/CA-ICH.

If the COMMON TRANSPORT CHANNEL SETUP REQUEST message includes *CD Sub Channel Numbers* IE, the Node B may use only the given CD Sub Channels on CD/CA-ICH. Otherwise, the Node B may use all the CD Sub Channels on CD/CA-ICH.

If the COMMON TRANSPORT CHANNEL SETUP REQUEST message includes *Channel Request Parameters* IE, the Node B shall use the parameters to distinguish the PCPCHs.

If the COMMON TRANSPORT CHANNEL SETUP REQUEST message includes *AP Sub Channel Number* IE in *Channel Request Parameters* IE, the Node B shall use only these AP sub channel number to distinguish the configured PCPCH. Otherwise all AP subchannel numbers are used to distinguish the configured PCPCH.

If the COMMON TRANSPORT CHANNEL SETUP REQUEST message includes *AP Sub Channel Number* IE in *SF Request Parameters* IE, the Node B shall use only these AP sub channel number to distinguish the requested Spreading Factors. Otherwise all AP subchannel numbers are used to distinguish the configured Spreading Factor.

General:

After successfully configuring the requested common transport channels and the common physical channels, the Node B shall store the value of *Configuration Generation ID* IE and it shall respond with the COMMON TRANSPORT CHANNEL SETUP RESPONSE message with the *Common Transport Channel ID* IE, the *Binding ID* IE and the *Transport Layer Address* IE for the configured common transport channels.

If the COMMON TRANSPORT CHANNEL SETUP REQUEST message includes the *Transport Layer Address* and *Binding ID* IEs, the Node B may use the transport layer address and the binding identifier received from the CRNC when establishing a transport bearer for the indicated common transport channels.

After a successful procedure and once the transport bearers are established, the configured common transport channels and the common physical channels shall adopt the state Enabled [6] in the Node B and the common physical channels exist on the Uu interface.

9.1.3 COMMON TRANSPORT CHANNEL SETUP REQUEST

9.1.3.1 FDD 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
Configuration Generation ID	M		9.2.1.16		YES	reject
CHOICE <i>Common Physical Channel To Be Configured</i>	M				YES	ignore
>Secondary CCPCH					–	
>>Secondary CCPCH		1			–	
>>>Common Physical Channel ID	M		9.2.1.13		–	
>>>FDD SCCPCH Offset	M		9.2.2.15	Corresponds to [7]: S-CCPCH,k	–	
>>>DL Scrambling Code	C-PCH		9.2.2.13		–	
>>>FDD DL Channelisation Code Number	M		9.2.2.14		–	
>>>TFCS	M		9.2.1.58	For the DL.	–	
>>>Secondary CCPCH Slot Format	M		9.2.2.43		–	
>>>TFCI Presence	C-SlotFormat		9.2.1.57	Refer to TS [7]	–	
>>>Multiplexing Position	M		9.2.2.23		–	
>>>Power Offset Information		1			–	
>>>>PO1	M		Power Offset 9.2.2.29	Power offset for the TFCI bits	–	
>>>>PO3	M		Power Offset 9.2.2.29	Power offset for the pilot bits	–	
>>>STTD Indicator	M		9.2.2.48		–	
>>>FACH Parameters		0..<maxno ofFACHs>			GLOBAL	reject
>>>>Common Transport Channel ID	M		9.2.1.14		–	
>>>>Transport Format Set	M		9.2.1.59	For the DL.	–	
>>>>ToAWS	M		9.2.1.61		–	
>>>>ToAWE	M		9.2.1.60		–	
>>>>Max FACH Power	M		DL Power 9.2.1.21	Maximum allowed power on the FACH.	–	
>>>>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	YES	ignore

				bearer establishment with ALCAP.		
>>>PCH Parameters		<i>0..1</i>			YES	reject
>>>>Common Transport Channel ID	M		9.2.1.14		–	
>>>>Transport Format Set	M		9.2.1.59	For the DL.	–	
>>>>ToAWS	M		9.2.1.61		–	
>>>>ToAWE	M		9.2.1.60		–	
>>>>PCH Power	M		DL Power 9.2.1.21		–	
>>>>PICH Parameters		<i>1</i>			–	
>>>>>Common Physical Channel ID	M		9.2.1.13		–	
>>>>>FDD DL Channelisation Code Number	M		9.2.2.14		–	
>>>>>PICH Power	M		9.2.1.49A		–	
>>>>>PICH Mode	M		9.2.2.26	Number of PI per frame	–	
>>>>>STTD Indicator	M		9.2.2.48		–	
>>>>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
>>>MICH Parameters		<i>0..1</i>			YES	reject
>>>>Common Physical Channel ID	M		9.2.1.13		–	
>>>>FDD DL Channelisation Code Number	M		9.2.2.14		–	
>>>>MICH Power	M		PICH Power 9.2.1.49A		–	
>>>>MICH Mode	M		9.2.2.21D	Number of NI per frame	–	
>>>>STTD Indicator	M		9.2.2.48		–	
>>> FDD S-CCPCH Frame Offset	O		9.2.2.x		YES	reject
<i>>PRACH</i>					–	
>>PRACH		<i>1</i>			–	
>>>Common Physical Channel ID	M		9.2.1.13		–	
>>>Scrambling Code Number	M		9.2.2.42		–	
>>>TFCS	M		9.2.1.58	For the UL.	–	
>>>Preamble Signatures	M		9.2.2.31		–	
>>>Allowed Slot		<i>1..<maxno</i>			–	

Format Information		<i>ofSlotForm atsPRACH ></i>				
>>>>RACH Slot Format	M		9.2.2.37		–	
>>>RACH Sub Channel Numbers	M		9.2.2.38		–	
>>>Puncture Limit	M		9.2.1.50	For the UL	–	
>>>Preamble Threshold	M		9.2.2.32		–	
>>>RACH Parameters		1			YES	reject
>>>>Common Transport Channel ID	M		9.2.1.14		–	
>>>>Transport Format Set	M		9.2.1.59	For the UL.	–	
>>>>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
>>>AICH Parameters		1			–	
>>>>Common Physical Channel ID	M		9.2.1.13		–	
>>>>AICH Transmission Timing	M		9.2.2.1		–	
>>>>FDD DL Channelisation Code Number	M		9.2.2.14		–	
>>>>AICH Power	M		9.2.2.D		–	
>>>>STTD Indicator	M		9.2.2.48		–	
>PCPCHs					–	
>>CPCH Parameters		1			–	
>>>Common Transport Channel ID	M		9.2.1.14		–	
>>>Transport Format Set	M		9.2.1.59	For the UL.	–	
>>>AP Preamble Scrambling Code	M		CPCH Scrambling Code Number 9.2.2.4B		–	
>>>CD Preamble Scrambling Code	M		CPCH Scrambling Code Number 9.2.2.4B		–	
>>>TFCS	M		9.2.1.58	For the UL	–	
>>>CD Signatures	O		Preamble Signatures 9.2.2.31	Note: When not present, all CD signatures are to be used.	–	
>>>CD Sub Channel Numbers	O		9.2.2.1C		–	
>>>Puncture Limit	M		9.2.1.50	For the UL	–	

>>>CPCH UL DPCCH Slot Format	M		9.2.2.4C	For UL CPCH message control part	–	
>>>UL SIR	M		9.2.1.67A		–	
>>>Initial DL Transmission Power	M		DL Power 9.2.1.21		–	
>>>Maximum DL Power	M		DL Power 9.2.1.21		–	
>>>Minimum DL Power	M		DL Power 9.2.1.21		–	
>>>PO2	M		Power Offset 9.2.2.29	Power offset for the TPC bits relative to the pilot bits.	–	
>>>FDD TPC DL Step Size	M		9.2.2.16		–	
>>>N_Start_Message	M		9.2.2.23C		–	
>>>N_EOT	M		9.2.2.23A		–	
>>>Channel Assignment Indication	M		9.2.2.1D		–	
>>>CPCH Allowed Total Rate	M		9.2.2.4A		–	
>>>PCPCH Channel Information		<i>1..<maxno ofPCPCHs ></i>			–	
>>>>Common Physical Channel ID	M		9.2.1.13		–	
>>>>CPCH Scrambling Code Number	M		9.2.2.4B	For UL PCPCH	–	
>>>>DL Scrambling Code	M		9.2.2.13	For DL CPCH message part	–	
>>>>FDD DL Channelisation Code Number	M		9.2.2.14	For DL CPCH message part	–	
>>>>PCP Length	M		9.2.2.24A		–	
>>>>UCSM Information	C-NCA	1			–	
>>>>>Min UL Channelisation Code Length	M		9.2.2.22		–	
>>>>>NF_max	M		9.2.2.23B		–	
>>>>>Channel Request Parameters		<i>0..<maxA PSigNum></i>			–	
>>>>>>AP Preamble Signature	M		9.2.2.1A		–	
>>>>>>AP Sub Channel Number	O		9.2.2.1B		–	
>>>VCAM Mapping Information	C-CA	<i>1..<maxno ofLen></i>		Refer to TS [18]	–	
>>>>Min UL Channelisation Code Length	M		9.2.2.22		–	
>>>>>NF_max	M		9.2.2.23B		–	
>>>>>Max Number of PCPCHs	M		9.2.2.20A		–	

>>>>SF Request Parameters		1..<maxA PSigNum>			–	
>>>>AP Preamble Signature	M		9.2.2.1A		–	
>>>>AP Sub Channel Number	O		9.2.2.1B		–	
>>>AP-AICH Parameters		1			–	
>>>>Common Physical Channel ID	M		9.2.1.13		–	
>>>>FDD DL Channelisation Code Number	M		9.2.2.14		–	
>>>>AP-AICH Power	M		AICH Power 9.2.2.D		–	
>>>>CSICH Power	M		AICH Power 9.2.2.D	For CSICH bits at end of AP-AICH slot	–	
>>>>STTD Indicator	M		9.2.2.48		–	
>>>CD/CA-ICH Parameters		1			–	
>>>>Common Physical Channel ID	M		9.2.1.13		–	
>>>>FDD DL Channelisation Code Number	M		9.2.2.14		–	
>>>>CD/CA-ICH Power	M		AICH Power 9.2.2.D		–	
>>>>STTD Indicator	M		9.2.2.48		–	
>>>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

Condition	Explanation
SlotFormat	The IE shall be present if the <i>Secondary CCPCH Slot Format</i> IE is set to any of the values from 8 to 17.
CA	The IE shall be present if the <i>Channel Assignment Indication</i> IE is set to "CA Active".
NCA	The IE shall be present if the <i>Channel Assignment Indication</i> IE is set to "CA Inactive".
PCH	The IE shall be present if the <i>PCH Parameters</i> IE is not present.

Range Bound	Explanation
<i>maxnoofFACHs</i>	Maximum number of FACHs that can be defined on a Secondary CCPCH
<i>maxnoofPCPCHs</i>	Maximum number of PCPCHs for a CPCH
<i>maxnoofLen</i>	Maximum number of Min UL Channelisation Code Length
<i>maxnoofSlotFormatsPRACH</i>	Maximum number of SF for a PRACH
<i>maxAPSigNum</i>	Maximum number of AP Signatures

9.2.2.x FDD S-CCPCH Frame Offset

The *FDD S-CCPCH Frame Offset* IE represents the required frame offset between the concerned S-CCPCH (CFN, Connection Frame Number) relatively to the P-CCPCH of the respective cell (Cell Frame Number). The *FDD S-CCPCH Frame Offset* is used in the translation between Connection Frame Number (CFN) on Iub and the least significant 8 bits of the SFN (System Frame Number) on Uu. The SCCPCH Frame Offset is cell specific.

<u>IE/Group Name</u>	<u>Presence</u>	<u>Range</u>	<u>IE Type and Reference</u>	<u>Semantics Description</u>
<u>FDD S-CCPCH Frame Offset</u>			<u>INTEGER (0..255)</u>	

9.3.3 PDU Definitions

```

-- *****
-- PDU definitions for NBAP.
-- *****
-- *****
NBAP-PDU-Contents {
itu-t (0) identified-organization (4) etsi (0) mobileDomain (0)
umts-Access (20) modules (3) nbap (2) version1 (1) nbap-PDU-Contents (1) }
DEFINITIONS AUTOMATIC TAGS ::=
BEGIN
-- *****
-- IE parameter types from other modules.
-- *****
IMPORTS
  Active-Pattern-Sequence-Information,
  AddrDeleteIndicator,
  AICH-Power,
  AICH-TransmissionTiming,
  AllocationRetentionPriority,
  APreambleSignature,
  APSubChannelNumber,
  AvailabilityStatus,
  BCCH-ModificationTime,
  BindingID,
  BlockingPriorityIndicator,
  SCTD-Indicator,
  Cause,
  CCTrCH-ID,
  CDSChannelNumbers,
  CellParameterID,
  CellPortionID,
  CellSyncBurstCode,
  CellSyncBurstCodeShift,
  CellSyncBurstRepetitionPeriod,
  CellSyncBurstSIR,
  CellSyncBurstTiming,
  CellSyncBurstTimingThreshold,
  CFN,
  Channel-Assignment-Indication,
  ChipOffset,
  C-ID,

```

ClosedLoopTimingAdjustmentMode,
 CommonChannelsCapacityConsumptionLaw,
 Compressed-Mode-Deactivation-Flag,
 CommonMeasurementAccuracy,
 CommonMeasurementType,
 CommonMeasurementValue,
 CommonMeasurementValueInformation,
 CommonPhysicalChannelID,
 Common-PhysicalChannel-Status-Information,
 Common-TransportChannel-Status-Information,
 CommonTransportChannelID,
 CommonTransportChannel-InformationResponse,
 CommunicationControlPortID,
 ConfigurationGenerationID,
 ConstantValue,
 CriticalityDiagnostics,
 CPCH-Allowed-Total-Rate,
 CPCHScramblingCodeNumber,
 CPCH-UL-DPCH-SlotFormat,
 CRNC-CommunicationContextID,
 CSBMeasurementID,
 CSBTransmissionID,
 DCH-FDD-Information,
 DCH-InformationResponse,
 DCH-ID,
 FDD-DCHs-to-Modify,
 TDD-DCHs-to-Modify,
 DCH-TDD-Information,
 DedicatedChannelsCapacityConsumptionLaw,
 DedicatedMeasurementType,
 DedicatedMeasurementValue,
 DedicatedMeasurementValueInformation,
 DelayedActivation,
 DelayedActivationUpdate,
 DiversityControlField,
 DiversityMode,
 DL-DPCH-SlotFormat,
 DL-DPCH-TimingAdjustment,
 DL-or-Global-CapacityCredit,
 DL-Power,
 DL-PowerBalancing-Information,
 DL-PowerBalancing-ActivationIndicator,
 DLPowerAveragingWindowSize,
 DL-PowerBalancing-UpdatedIndicator,
 DL-ScramblingCode,
 DL-TimeslotISCP,
 DL-Timeslot-Information,
 DL-TimeslotLCR-Information,
 DL-TimeslotISCPInfo,
 DL-TimeslotISCPInfoLCR,
 DL-TPC-Pattern01Count,
 DPC-Mode,
 DPCH-ID,

DSCH-ID,
 DSCH-FDD-Common-Information,
 DSCH-FDD-Information,
 DSCH-InformationResponse,
 DSCH-TDD-Information,
 DwPCH-Power,
 End-Of-Audit-Sequence-Indicator,
 EnhancedDSCHPC,
 EnhancedDSCHPCCounter,
 EnhancedDSCHPCIndicator,
 EnhancedDSCHPCWnd,
 EnhancedDSCHPowerOffset,
 FDD-DL-ChannelisationCodeNumber,
 FDD-DL-CodeInformation,
FDD-S-CCPCH-FrameOffset,
 FDD-S-CCPCH-Offset,
 FDD-TPC-DownlinkStepSize,
 FirstRUS-Indicator,
 FNReportingIndicator,
 FPACH-Power,
 FrameAdjustmentValue,
 FrameHandlingPriority,
 FrameOffset,
 HSDPA-Capability,
 HS-PDSCH-FDD-Code-Information,
 HS-SCCH-ID,
 HS-SCCH-FDD-Code-Information,
 HS-SICH-ID,
 IB-OC-ID,
 IB-SG-DATA,
 IB-SG-POS,
 IB-SG-REP,
 IB-Type,
 InformationExchangeID,
 InformationReportCharacteristics,
 InformationType,
 InnerLoopLPCStatus,
 IPDL-FDD-Parameters,
 IPDL-TDD-Parameters,
 IPDL-Indicator,
 IPDL-TDD-Parameters-LCR,
 LimitedPowerIncrease,
 Local-Cell-ID,
 MaximumDL-PowerCapability,
 MaximumPDSCH-Power,
 MaximumTransmissionPower,
 Max-Number-of-PCPCHes,
 MaxNrOfUL-DPDCHs,
 MaxPRACH-MidambleShifts,
 MeasurementFilterCoefficient,
 MeasurementID,
 MeasurementRecoveryBehavior,
 MeasurementRecoveryReportingIndicator,

MeasurementRecoverySupportIndicator,
 MICH-CFN,
 MICH-Mode,
 MidambleAllocationMode,
 MidambleShiftAndBurstType,
 MidambleShiftLCR,
 MinimumDL-PowerCapability,
 MinSpreadingFactor,
 MinUL-ChannelisationCodeLength,
 Modification-Period,
 MultiplexingPosition,
 NEOT,
 NCyclesPerSFNperiod,
 NFmax,
 NRepetitionsPerCyclePeriod,
 N-INSYNC-IND,
 N-OUTSYNC-IND,
 NeighbouringCellMeasurementInformation,
 NeighbouringFDCellMeasurementInformation,
 NeighbouringTDDCellMeasurementInformation,
 NI-Information,
 NodeB-CommunicationContextID,
 NotificationIndicatorLength,
 NumberOfReportedCellPortions,
 NStartMessage,
 NSubCyclesPerCyclePeriod,
 PagingIndicatorLength,
 PayloadCRC-PresenceIndicator,
 PCCPCH-Power,
 PCP-Length,
 PDSCH-CodeMapping,
 PDSCHSet-ID,
 PDSCH-ID,
 PICH-Mode,
 PICH-Power,
 PowerAdjustmentType,
 PowerOffset,
 PowerRaiseLimit,
 PRACH-Midamble,
 PreambleSignatures,
 PreambleThreshold,
 PredictedSFNSFNDeviationLimit,
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 PrimaryCPICH-Power,
 Primary-CPICH-Usage-for-Channel-Estimation,
 PrimaryScramblingCode,
 PropagationDelay,
 SCH-TimeSlot,
 PunctureLimit,
 PUSCHSet-ID,
 PUSCH-ID,
 QE-Selector,
 Qth-Parameter,

RACH-SlotFormat,
 RACH-SubChannelNumbers,
 ReferenceClockAvailability,
 ReferenceFNoffset,
 RepetitionLength,
 RepetitionPeriod,
 ReportCharacteristics,
 RequestedDataValue,
 RequestedDataValueInformation,
 ResourceOperationalState,
 RL-Set-ID,
 RL-ID,
 RL-Specific-DCH-Info,
 Received-total-wide-band-power-Value,
 AdjustmentPeriod,
 ScaledAdjustmentRatio,
 MaxAdjustmentStep,
 RNC-ID,
 ScramblingCodeNumber,
 Secondary-CPICH-Information-Change,
 SecondaryCCPCH-SlotFormat,
 Segment-Type,
 S-FieldLength,
 SFN,
 SFNSFNChangeLimit,
 SFNSFNDriftRate,
 SFNSFNDriftRateQuality,
 SFNSFNQuality,
 ShutdownTimer,
 SIB-Originator,
 SpecialBurstScheduling,
 SignallingBearerRequestIndicator,
 SSDT-Cell-Identity,
 SSDT-CellID-Length,
 SSDT-Indication,
 Start-Of-Audit-Sequence-Indicator,
 STTD-Indicator,
 SSDT-SupportIndicator,
 SyncCase,
 SYNCdlCodeId,
 SyncFrameNumber,
 SynchronisationReportCharacteristics,
 SynchronisationReportType,
 T-Cell,
 T-RLFAILURE,
 TDD-ChannelisationCode,
 TDD-ChannelisationCodeLCR,
 TDD-DL-Code-LCR-Information,
 TDD-DPCHoffset,
 TDD-TPC-DownlinkStepSize,
 TDD-PhysicalChannelOffset,
 TDD-UL-Code-LCR-Information,
 TFCI2-BearerInformationResponse,

TFCI2BearerRequestIndicator,
 TFCI-Coding,
 TFCI-Presence,
 TFCI-SignallingMode,
 TFCS,
 TimeSlot,
 TimeSlotLCR,
 TimeSlotDirection,
 TimeSlotStatus,
 TimingAdjustmentValue,
 TimingAdvanceApplied,
 TnLQoS,
 ToAWE,
 ToAWS,
 TransmissionDiversityApplied,
 TransmitDiversityIndicator,
 TransmissionGapPatternSequenceCodeInformation,
 Transmission-Gap-Pattern-Sequence-Information,
 TransportBearerRequestIndicator,
 TransportFormatSet,
 TransportLayerAddress,
 TSTD-Indicator,
 TUTRANGPS,
 TUTRANGPSChangeLimit,
 TUTRANGPSDriftRate,
 TUTRANGPSDriftRateQuality,
 TUTRANGPSQuality,
 UARFCN,
 UC-Id,
 USCH-Information,
 USCH-InformationResponse,
 UL-CapacityCredit,
 UL-DPCCH-SlotFormat,
 UL-SIR,
 UL-FP-Mode,
 UL-PhysCH-SF-Variation,
 UL-ScramblingCode,
 UL-Timeslot-Information,
 UL-TimeslotLCR-Information,
 UL-Timeslot-ISCP-Info,
 UL-Timeslot-ISCP-LCR-Info,
 UL-TimeslotISCP-Value,
 UL-TimeslotISCP-Value-IncrDecrThres,
 USCH-ID,
 HSDSCH-FDD-Information,
 HSDSCH-FDD-Information-Response,
 HSDSCH-Information-to-Modify,
 HSDSCH-Information-to-Modify-Unsynchronised,
 HSDSCH-MACdFlow-ID,
 HSDSCH-MACdFlows-Information,
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 HSDSCH-RNTI,

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HSDSCH-TDD-Information,
HSDSCH-TDD-Information-Response,
PrimaryCCPCH-RSCP,
HSDSCH-FDD-Update-Information,
HSDSCH-TDD-Update-Information,
UL-Synchronisation-Parameters-LCR,
TDD-DL-DPCH-TimeSlotFormat-LCR,
TDD-UL-DPCH-TimeSlotFormat-LCR,
TDD-TPC-UplinkStepSize-LCR,
CellSyncBurstTimingLCR,
TimingAdjustmentValueLCR,
PrimaryCCPCH-RSCP-Delta
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PrivateIE-Container{ },
ProtocolExtensionContainer{ },
ProtocolIE-Container{ },
ProtocolIE-Single-Container{ },
ProtocolIE-ContainerList{ },
NBAP-PRIVATE-IES,
NBAP-PROTOCOL-IES,
NBAP-PROTOCOL-EXTENSION
FROM NBAP-Containers

id-Active-Pattern-Sequence-Information,
id-Additional-S-CCPCH-Parameters-CTCH-ReconfRgstTDD,
id-Additional-S-CCPCH-Parameters-CTCH-SetupRgstTDD,
id-Additional-S-CCPCH-LCR-Parameters-CTCH-ReconfRgstTDD,
id-Additional-S-CCPCH-LCR-Parameters-CTCH-SetupRgstTDD,
id-AdjustmentRatio,
id-AICH-Information,
id-AICH-ParametersListIE-CTCH-ReconfRgstFDD,
id-AP-AICH-Information,
id-AP-AICH-ParametersListIE-CTCH-ReconfRgstFDD,
id-BCH-Information,
id-BCCH-ModificationTime,
id-bindingID,
id-BlockingPriorityIndicator,
id-Cause,
id-CauseLevel-PSCH-ReconfFailure,
id-CauseLevel-RL-AdditionFailureFDD,
id-CauseLevel-RL-AdditionFailureTDD,
id-CauseLevel-RL-ReconfFailure,
id-CauseLevel-RL-SetupFailureFDD,
id-CauseLevel-RL-SetupFailureTDD,
id-CauseLevel-SyncAdjustmntFailureTDD,
id-CCP-InformationItem-AuditRSP,
id-CCP-InformationList-AuditRSP,
id-CCP-InformationItem-ResourceStatusInd,
id-CCTrCH-InformationItem-RL-FailureInd,
id-CCTrCH-InformationItem-RL-RestoreInd,
id-CCTrCH-Initial-DL-Power-RL-AdditionRgstTDD,
id-CCTrCH-Initial-DL-Power-RL-ReconfPrepTDD,

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id-CCTrCH-Initial-DL-Power-RL-SetupRqstTDD,
 id-CDCA-ICH-Information,
 id-CDCA-ICH-ParametersListIE-CTCH-ReconfRqstFDD,
 id-CellAdjustmentInfo-SyncAdjustmntRqstTDD,
 id-CellAdjustmentInfoItem-SyncAdjustmentRqstTDD,
 id-Cell-InformationItem-AuditRsp,
 id-Cell-InformationItem-ResourceStatusInd,
 id-Cell-InformationList-AuditRsp,
 id-CellParameterID,
 id-CellPortion-InformationItem-Cell-SetupRqstFDD,
 id-CellPortion-InformationList-Cell-SetupRqstFDD,
 id-CellSyncBurstTransInit-CellSyncInitiationRqstTDD,
 id-CellSyncBurstMeasureInit-CellSyncInitiationRqstTDD,
 id-CellSyncBurstRepetitionPeriod,
 id-CellSyncBurstTransReconfiguration-CellSyncReconfRqstTDD,
 id-CellSyncBurstTransReconfInfo-CellSyncReconfRqstTDD,
 id-CellSyncBurstMeasReconfInfo-CellSyncReconfRqstTDD,
 id-CellSyncBurstMeasInfoList-CellSyncReconfRqstTDD,
 id-CellSyncBurstInfoList-CellSyncReconfRqstTDD,
 id-CellSyncInfo-CellSyncReprtTDD,
 id-CFN,
 id-CFNReportingIndicator,
 id-C-ID,
 id-Closed-Loop-Timing-Adjustment-Mode,
 id-CommonMeasurementAccuracy,
 id-CommonMeasurementObjectType-CM-Rprt,
 id-CommonMeasurementObjectType-CM-Rqst,
 id-CommonMeasurementObjectType-CM-Rsp,
 id-CommonMeasurementType,
 id-CommonPhysicalChannelID,
 id-CommonPhysicalChannelType-CTCH-ReconfRqstFDD,
 id-CommonPhysicalChannelType-CTCH-SetupRqstFDD,
 id-CommonPhysicalChannelType-CTCH-SetupRqstTDD,
 id-CommunicationContextInfoItem-Reset,
 id-CommunicationControlPortID,
 id-CommunicationControlPortInfoItem-Reset,
 id-Compressed-Mode-Deactivation-Flag,
 id-ConfigurationGenerationID,
 id-CPCH-Information,
 id-CPCH-Parameters-CTCH-SetupRsp,
 id-CPCH-ParametersListIE-CTCH-ReconfRqstFDD,
 id-CRNC-CommunicationContextID,
 id-CriticalityDiagnostics,
 id-CSBTransmissionID,
 id-CSEMeasurementID,
 id-DCHs-to-Add-FDD,
 id-DCHs-to-Add-TDD,
 id-DCH-AddList-RL-ReconfPrepTDD,
 id-DCH-DeleteList-RL-ReconfPrepFDD,
 id-DCH-DeleteList-RL-ReconfPrepTDD,
 id-DCH-DeleteList-RL-ReconfRqstFDD,
 id-DCH-DeleteList-RL-ReconfRqstTDD,
 id-DCH-FDD-Information,

id-DCH-TDD-Information,
 id-DCH-InformationResponse,
 id-DCH-RearrangeList-Bearer-RearrangeInd,
 id-DSCH-RearrangeList-Bearer-RearrangeInd,
 id-FDD-DCHs-to-Modify,
[id-FDD-S-CCPCH-FrameOffset-CTCH-SetupRqstFDD](#),
 id-TDD-DCHs-to-Modify,
 id-DedicatedMeasurementObjectType-DW-Rprt,
 id-DedicatedMeasurementObjectType-DW-Rqst,
 id-DedicatedMeasurementObjectType-DW-Rsp,
 id-DedicatedMeasurementType,
 id-DelayedActivation,
 id-DelayedActivationList-RL-ActivationCmdFDD,
 id-DelayedActivationList-RL-ActivationCmdTDD,
 id-DelayedActivationInformation-RL-ActivationCmdFDD,
 id-DelayedActivationInformation-RL-ActivationCmdTDD,
 id-DL-CCTrCH-InformationAddList-RL-ReconfPrepTDD,
 id-DL-CCTrCH-InformationDeleteItem-RL-ReconfRqstTDD,
 id-DL-CCTrCH-InformationDeleteList-RL-ReconfPrepTDD,
 id-DL-CCTrCH-InformationDeleteList-RL-ReconfRqstTDD,
 id-DL-CCTrCH-InformationItem-RL-SetupRqstTDD,
 id-DL-CCTrCH-InformationList-RL-AdditionRqstTDD,
 id-DL-CCTrCH-InformationList-RL-SetupRqstTDD,
 id-DL-CCTrCH-InformationModifyItem-RL-ReconfRqstTDD,
 id-DL-CCTrCH-InformationModifyList-RL-ReconfPrepTDD,
 id-DL-CCTrCH-InformationModifyList-RL-ReconfRqstTDD,
 id-DL-DPCH-InformationAddListIE-RL-ReconfPrepTDD,
 id-DL-DPCH-InformationItem-RL-AdditionRqstTDD,
 id-DL-DPCH-InformationList-RL-SetupRqstTDD,
 id-DL-DPCH-InformationModifyAddListIE-RL-ReconfPrepTDD,
 id-DL-DPCH-InformationModifyDeleteListIE-RL-ReconfPrepTDD,
 id-DL-DPCH-InformationModifyModifyListIE-RL-ReconfPrepTDD,
 id-DL-DPCH-Information-RL-ReconfPrepFDD,
 id-DL-DPCH-Information-RL-ReconfRqstFDD,
 id-DL-DPCH-Information-RL-SetupRqstFDD,
 id-DL-DPCH-TimingAdjustment,
 id-DL-PowerBalancing-Information,
 id-DL-PowerBalancing-ActivationIndicator,
 id-DL-ReferencePowerInformationItem-DL-PC-Rqst,
 id-DL-PowerBalancing-UpdatedIndicator,
 id-DLReferencePower,
 id-DLReferencePowerList-DL-PC-Rqst,
 id-DL-TPC-Pattern01Count,
 id-DPC-Mode,
 id-DPCHConstant,
 id-DSCH-AddItem-RL-ReconfPrepFDD,
 id-DSCHs-to-Add-FDD,
 id-DSCH-DeleteItem-RL-ReconfPrepFDD,
 id-DSCH-DeleteList-RL-ReconfPrepFDD,
 id-DSCHs-to-Add-TDD,
 id-DSCH-Information-DeleteList-RL-ReconfPrepTDD,
 id-DSCH-Information-ModifyList-RL-ReconfPrepTDD,
 id-DSCH-InformationResponse,

id-DSCH-FDD-Information,
 id-DSCH-FDD-Common-Information,
 id-DSCH-TDD-Information,
 id-DSCH-ModifyItem-RL-ReconfPrepFDD,
 id-DSCH-ModifyList-RL-ReconfPrepFDD,
 id-End-Of-Audit-Sequence-Indicator,
 id-EnhancedDSCHPC,
 id-EnhancedDSCHPCIndicator,
 id-FACH-Information,
 id-FACH-ParametersList-CTCH-ReconfRgstTDD,
 id-FACH-ParametersList-CTCH-SetupRsp,
 id-FACH-ParametersListIE-CTCH-ReconfRgstFDD,
 id-FACH-ParametersListIE-CTCH-SetupRgstFDD,
 id-FACH-ParametersListIE-CTCH-SetupRgstTDD,
 id-IndicationType-ResourceStatusInd,
 id-InformationExchangeID,
 id-InformationExchangeObjectType-InfEx-Rqst,
 id-InformationExchangeObjectType-InfEx-Rsp,
 id-InformationExchangeObjectType-InfEx-Rprt,
 id-InformationReportCharacteristics,
 id-InformationType,
 id-InitDL-Power,
 id-InnerLoopLPCStatus,
 id-IntStdPhCellSyncInfoItem-CellSyncReprtTDD,
 id-IPDLParameter-Information-Cell-ReconfRgstFDD,
 id-IPDLParameter-Information-Cell-SetupRgstFDD,
 id-IPDLParameter-Information-Cell-ReconfRgstTDD,
 id-IPDLParameter-Information-Cell-SetupRgstTDD,
 id-LateEntranceCellSyncInfoItem-CellSyncReprtTDD,
 id-Limited-power-increase-information-Cell-SetupRgstFDD,
 id-Local-Cell-ID,
 id-Local-Cell-Group-InformationItem-AuditRsp,
 id-Local-Cell-Group-InformationItem-ResourceStatusInd,
 id-Local-Cell-Group-InformationItem2-ResourceStatusInd,
 id-Local-Cell-Group-InformationList-AuditRsp,
 id-Local-Cell-Group-InformationList-AuditRsp,
 id-Local-Cell-InformationItem-ResourceStatusInd,
 id-Local-Cell-InformationItem2-ResourceStatusInd,
 id-Local-Cell-InformationList-AuditRsp,
 id-AdjustmentPeriod,
 id-MaxAdjustmentStep,
 id-MaximumTransmissionPower,
 id-MeasurementFilterCoefficient,
 id-MeasurementID,
 id-MeasurementRecoveryBehavior,
 id-MeasurementRecoveryReportingIndicator,
 id-MeasurementRecoverySupportIndicator,
 id-MIB-SB-SIB-InformationList-SystemInfoUpdateRqst,
 id-MICH-CFN,
 id-MICH-Information-AuditRsp,
 id-MICH-Information-ResourceStatusInd,
 id-MICH-Parameters-CTCH-ReconfRgstFDD,
 id-MICH-Parameters-CTCH-ReconfRgstTDD,

id-MICH-Parameters-CTCH-SetupRgstFDD,
 id-MICH-Parameters-CTCH-SetupRgstTDD,
 id-Modification-Period,
 id-multipleRL-dl-DPCH-InformationList,
 id-multipleRL-dl-DPCH-InformationModifyList,
 id-multiple-RL-Information-RL-ReconfPrepTDD,
 id-multiple-RL-Information-RL-ReconfRgstTDD,
 id-multipleRL-ul-DPCH-InformationList,
 id-multipleRL-ul-DPCH-InformationModifyList,
 id-NCyclesPerSFNPeriod,
 id-NeighbouringCellMeasurementInformation,
 id-NI-Information-NotifUpdateCmd,
 id-NodeB-CommunicationContextID,
 id-NRRepetitionsPerCyclePeriod,
 id-NumberOfReportedCellPortions,
 id-P-CCPCH-Information,
 id-P-CPICH-Information,
 id-P-SCH-Information,
 id-PCGPCH-Information-Cell-ReconfRgstTDD,
 id-PCPCPCH-Information-Cell-SetupRgstTDD,
 id-PCH-Parameters-CTCH-ReconfRgstTDD,
 id-PCH-Parameters-CTCH-SetupRSP,
 id-PCH-ParametersItem-CTCH-ReconfRgstFDD,
 id-PCH-ParametersItem-CTCH-SetupRgstFDD,
 id-PCH-ParametersItem-CTCH-SetupRgstTDD,
 id-PCFCH-Information,
 id-PICH-ParametersItem-CTCH-ReconfRgstFDD,
 id-PDSCH-Information-AddListIE-PSCH-ReconfRgst,
 id-PDSCH-Information-Cell-SetupRgstFDD,
 id-PDSCH-Information-Cell-ReconfRgstFDD,
 id-PDSCH-Information-ModifyListIE-PSCH-ReconfRgst,
 id-PDSCH-RL-ID,
 id-PDSCHSets-AddList-PSCH-ReconfRgst,
 id-PDSCHSets-DeleteList-PSCH-ReconfRgst,
 id-PDSCHSets-ModifyList-PSCH-ReconfRgst,
 id-PICH-Information,
 id-PICH-Parameters-CTCH-ReconfRgstTDD,
 id-PowerAdjustmentType,
 id-Power-Local-Cell-Group-InformationItem-AuditRsp,
 id-Power-Local-Cell-Group-InformationItem-ResourceStatusInd,
 id-Power-Local-Cell-Group-InformationItem2-ResourceStatusInd,
 id-Power-Local-Cell-Group-InformationList-AuditRsp,
 id-Power-Local-Cell-Group-InformationList-ResourceStatusInd,
 id-Power-Local-Cell-Group-InformationList2-ResourceStatusInd,
 id-PRACH-Information,
 id-PRACHConstant,
 id-PRACH-ParametersItem-CTCH-SetupRgstTDD,
 id-PRACH-ParametersListIE-CTCH-ReconfRgstFDD,
 id-PrimaryCCPCH-Information-Cell-ReconfRgstFDD,
 id-PrimaryCCPCH-Information-Cell-SetupRgstFDD,

id-PrimaryCPICH-Information-Cell-ReconfRgstFDD,
id-PrimaryCPICH-Information-Cell-SetupRgstFDD,
id-PrimaryCPICH-Usage-for-Channel-Estimation,
id-PrimarySCH-Information-Cell-ReconfRgstFDD,
id-PrimarySCH-Information-Cell-SetupRgstFDD,
id-PrimaryScramblingCode,
id-SCH-Information-Cell-ReconfRgstTDD,
id-SCH-Information-Cell-SetupRgstTDD,
id-PUSCH-Information-AddListIE-PSCH-ReconfRgst,
id-PUSCH-Information-ModifyListIE-PSCH-ReconfRgst,
id-PUSCHConstant,
id-PUSCHSets-AddList-PSCH-ReconfRgst,
id-PUSCHSets-DeleteList-PSCH-ReconfRgst,
id-PUSCHSets-ModifyList-PSCH-ReconfRgst,
id-Qth-Parameter,
id-RACH-Information,
id-RACH-Parameters-CTCH-SetupRsp,
id-RACH-ParameterItem-CTCH-SetupRgstFDD,
id-RACH-ParameterItem-CTCH-SetupRgstTDD,
id-ReferenceClockAvailability,
id-ReferenceSFNoffset,
id-ReportCharacteristics,
id-Reporting-Object-RL-FailureInd,
id-Reporting-Object-RL-RestoreInd,
id-ResetIndicator,
id-RL-ID,
id-RL-InformationItem-DM-Rprt,
id-RL-InformationItem-DM-Rgst,
id-RL-InformationItem-DM-Rsp,
id-RL-InformationItem-RL-AdditionRgstFDD,
id-RL-InformationItem-RL-DeletionRgst,
id-RL-InformationItem-RL-FailureInd,
id-RL-InformationItem-RL-PreemptRequiredInd,
id-RL-InformationItem-RL-ReconfPrepFDD,
id-RL-InformationItem-RL-ReconfRgstFDD,
id-RL-InformationItem-RL-RestoreInd,
id-RL-InformationItem-RL-SetupRgstFDD,
id-RL-InformationList-RL-AdditionRgstFDD,
id-RL-InformationList-RL-DeletionRgst,
id-RL-InformationList-RL-PreemptRequiredInd,
id-RL-InformationList-RL-ReconfPrepFDD,
id-RL-InformationList-RL-ReconfRgstFDD,
id-RL-InformationList-RL-SetupRgstFDD,
id-RL-InformationResponseItem-RL-AdditionRspFDD,
id-RL-InformationResponseItem-RL-ReconfReady,
id-RL-InformationResponseItem-RL-ReconfRsp,
id-RL-InformationResponseItem-RL-SetupRspFDD,
id-RL-InformationResponseList-RL-AdditionRspFDD,
id-RL-InformationResponseList-RL-ReconfReady,
id-RL-InformationResponseList-RL-ReconfRsp,
id-RL-InformationResponseList-RL-SetupRspFDD,
id-RL-InformationResponse-RL-AdditionRspTDD,
id-RL-InformationResponse-RL-SetupRspTDD,

id-RL-Information-RL-AdditionRgstTDD,
 id-RL-Information-RL-ReconfRgstTDD,
 id-RL-Information-RL-ReconfPrepTDD,
 id-RL-Information-RL-SetupRgstTDD,
 id-RL-ReconfigurationFailureItem-RL-ReconfFailure,
 id-RL-Set-InformationItem-DM-Rprt,
 id-RL-Set-InformationItem-DM-Rsp,
 id-RL-Set-InformationItem-RL-FailureInd,
 id-RL-Set-InformationItem-RL-RestoreInd,
 id-RL-Specific-DCH-Info,
 id-S-CCPCH-Information,
 id-S-CCPCH-InformationListExt-AuditRsp,
 id-S-CCPCH-InformationListExt-ResourceStatusInd,
 id-S-CCPCH-LCR-InformationListExt-AuditRsp,
 id-S-CCPCH-LCR-InformationListExt-ResourceStatusInd,
 id-S-CPICH-Information,
 id-SCH-Information,
 id-S-SCH-Information,
 id-Secondary-CCPCHListIE-CTCH-ReconfRgstTDD,
 id-Secondary-CCPCH-ParameterListIE-CTCH-SetupRgstTDD,
 id-Secondary-CCPCH-Parameters-CTCH-ReconfRgstTDD,
 id-Secondary-CPICH-Information,
 id-Secondary-CPICH-InformationItem-Cell-ReconfRgstFDD,
 id-Secondary-CPICH-InformationItem-Cell-SetupRgstFDD,
 id-Secondary-CPICH-InformationList-Cell-ReconfRgstFDD,
 id-Secondary-CPICH-InformationList-Cell-SetupRgstFDD,
 id-Secondary-CPICH-Information-Change,
 id-SecondarySCH-Information-Cell-ReconfRgstFDD,
 id-SecondarySCH-Information-Cell-SetupRgstFDD,
 id-SegmentInformationListIE-SystemInfoUpdate,
 id-SFN,
 id-SFNReportingIndicator,
 id-ShutdownTimer,
 id-SignallingBearerRequestIndicator,
 id-SSDT-CellIDforEDSCHPC,
 id-Start-Of-Audit-Sequence-Indicator,
 id-Successful-RL-InformationRespItem-RL-AdditionFailureFDD,
 id-Successful-RL-InformationRespItem-RL-SetupFailureFDD,
 id-Synchronisation-Configuration-Cell-ReconfRgst,
 id-Synchronisation-Configuration-Cell-SetupRgst,
 id-SyncCase,
 id-SyncCaseIndicatorItem-Cell-SetupRgstTDD-PSCH,
 id-SyncFrameNumber,
 id-SynchronisationReportType,
 id-SynchronisationReportCharacteristics,
 id-SyncReportType-CellSyncReprtTDD,
 id-T-Cell,
 id-TargetCommunicationControlPortID,
 id-TFCI2-Bearer-Information-RL-SetupRgstFDD,
 id-TFCI2-BearerInformationResponse,
 id-TFCI2BearerRequestIndicator,
 id-TFCI2-BearerSpecificInformation-RL-ReconfPrepFDD,
 id-Transmission-Gap-Pattern-Sequence-Information,

id-TimeSlotConfigurationList-Cell-ReconfRqstTDD,
 id-TimeSlotConfigurationList-Cell-SetupRqstTDD,
 id-timeslotInfo-CellSyncInitiationRqstTDD,
 id-TimeslotISCPInfo,
 id-TimingAdvanceApplied,
 id-TnIQos,
 id-TransmissionDiversityApplied,
 id-transportlayeraddress,
 id-Tstd-indicator,
 id-UARFCNforNt,
 id-UARFCNforNd,
 id-UARFCNforNu,
 id-UL-CCTrCH-InformationAddList-RL-ReconfPrepTDD,
 id-UL-CCTrCH-InformationDeleteItem-RL-ReconfRqstTDD,
 id-UL-CCTrCH-InformationDeleteList-RL-ReconfPrepTDD,
 id-UL-CCTrCH-InformationDeleteList-RL-ReconfRqstTDD,
 id-UL-CCTrCH-InformationItem-RL-SetupRqstTDD,
 id-UL-CCTrCH-InformationList-RL-AdditionRqstTDD,
 id-UL-CCTrCH-InformationList-RL-SetupRqstTDD,
 id-UL-CCTrCH-InformationModifyItem-RL-ReconfRqstTDD,
 id-UL-CCTrCH-InformationModifyList-RL-ReconfPrepTDD,
 id-UL-CCTrCH-InformationModifyList-RL-ReconfRqstTDD,
 id-UL-DPCH-InformationAddListIE-RL-ReconfPrepTDD,
 id-UL-DPCH-InformationItem-RL-AdditionRqstTDD,
 id-UL-DPCH-InformationList-RL-SetupRqstTDD,
 id-UL-DPCH-InformationModify-AddListIE-RL-ReconfPrepTDD,
 id-UL-DPCH-InformationModify-DeleteListIE-RL-ReconfPrepTDD,
 id-UL-DPCH-InformationModify-ModifyListIE-RL-ReconfPrepTDD,
 id-UL-DPCH-Information-RL-ReconfPrepFDD,
 id-UL-DPCH-Information-RL-ReconfRqstFDD,
 id-UL-DPCH-Information-RL-SetupRqstFDD,
 id-Unsuccessful-cell-InformationRespItem-SyncAdjustmntFailureTDD,
 id-Unsuccessful-PDSCHSetItem-PSCH-ReconfFailureTDD,
 id-Unsuccessful-PUSCHSetItem-PSCH-ReconfFailureTDD,
 id-Unsuccessful-RL-InformationRespItem-RL-AdditionFailureFDD,
 id-Unsuccessful-RL-InformationRespItem-RL-SetupFailureFDD,
 id-Unsuccessful-RL-InformationResp-RL-AdditionFailureTDD,
 id-Unsuccessful-RL-InformationResp-RL-SetupFailureTDD,
 id-USCH-Information-Add,
 id-USCH-Information-DeleteList-RL-ReconfPrepTDD,
 id-USCH-Information-ModifyList-RL-ReconfPrepTDD,
 id-USCH-InformationResponse,
 id-USCH-Information,
 id-USCH-RearrangeList-Bearer-RearrangeInd,
 id-DL-DPCH-LCR-Information-RL-SetupRqstTDD,
 id-DwPCH-LCR-Information,
 id-DwPCH-LCR-InformationList-AuditResp,
 id-DwPCH-LCR-Information-Cell-SetupRqstTDD,
 id-DwPCH-LCR-Information-Cell-ReconfRqstTDD,
 id-DwPCH-LCR-Information-ResourceStatusInd,
 id-maxFACH-Power-LCR-CTCH-SetupRqstTDD,
 id-maxFACH-Power-LCR-CTCH-ReconfRqstTDD,
 id-FPACH-LCR-Information,

id-FPACH-LCR-Information-AuditRsp,
 id-FPACH-LCR-InformationList-AuditRsp,
 id-FPACH-LCR-InformationList-ResourceStatusInd,
 id-FPACH-LCR-Parameters-CTCH-SetupRqstTDD,
 id-FPACH-LCR-Parameters-CTCH-ReconfRqstTDD,
 id-PCPCH-LCR-Information-Cell-SetupRqstTDD,
 id-PCH-Power-LCR-CTCH-SetupRqstTDD,
 id-PCH-Power-LCR-CTCH-ReconfRqstTDD,
 id-PICH-LCR-Parameters-CTCH-SetupRqstTDD,
 id-PRACH-LCR-ParametersList-CTCH-SetupRqstTDD,
 id-RL-InformationResponse-LCR-RL-SetupRspTDD
 id-Secondary-CCPCH-LCR-parameterList-CTCH-SetupRqstTDD,
 id-TimeSlot,
 id-TimeSlotConfigurationList-LCR-Cell-ReconfRqstTDD,
 id-TimeSlotConfigurationList-LCR-Cell-SetupRqstTDD,
 id-TimeSlotISCP-LCR-InfoList-RL-SetupRqstTDD,
 id-TimeSlotLCR-CW-Rqst,
 id-UL-DPCH-LCR-Information-RL-SetupRqstTDD,
 id-DL-DPCH-InformationItem-LCR-RL-AdditionRqstTDD,
 id-UL-DPCH-InformationItem-LCR-RL-AdditionRqstTDD,
 id-TimeSlotISCP-InformationList-LCR-RL-AdditionRqstTDD,
 id-DL-DPCH-LCR-InformationAddList-RL-ReconfPrepTDD,
 id-DL-DPCH-LCR-InformationModify-AddList-RL-ReconfPrepTDD,
 id-DL-Timeslot-LCR-InformationModify-ModifyList-RL-ReconfPrepTDD,
 id-TimeSlotISCPInfoList-LCR-DL-PC-RqstTDD,
 id-UL-DPCH-LCR-InformationAddListIE-RL-ReconfPrepTDD,
 id-UL-DPCH-LCR-InformationModify-AddList,
 id-UL-TimeslotLCR-Information-RL-ReconfPrepTDD,
 id-UL-SIRTarget,
 id-PDSCH-AddInformation-LCR-PSCH-ReconfRqst,
 id-PDSCH-AddInformation-LCR-AddListIE-PSCH-ReconfRqst,
 id-PDSCH-ModifyInformation-LCR-PSCH-ReconfRqst,
 id-PDSCH-ModifyInformation-LCR-ModifyListIE-PSCH-ReconfRqst,
 id-PUSCH-AddInformation-LCR-PSCH-ReconfRqst,
 id-PUSCH-AddInformation-LCR-AddListIE-PSCH-ReconfRqst,
 id-PUSCH-ModifyInformation-LCR-PSCH-ReconfRqst,
 id-PUSCH-ModifyInformation-LCR-ModifyListIE-PSCH-ReconfRqst,
 id-PUSCH-Info-DW-Rqst,
 id-PUSCH-Info-DW-Rsp,
 id-PUSCH-Info-DW-Rprt,
 id-PUSCH-Info-DW-Rprt,
 id-RL-InformationResponse-LCR-RL-AdditionRspTDD,
 id-IPDLParameter-Information-LCR-Cell-SetupRqstTDD,
 id-IPDLParameter-Information-LCR-Cell-ReconfRqstTDD,
 id-HS-PDSCH-HS-SCCH-MaxPower-PSCH-ReconfRqst,
 id-HS-PDSCH-HS-SCCH-ScramblingCode-PSCH-ReconfRqst,
 id-HS-PDSCH-FDD-Code-Information-PSCH-ReconfRqst,
 id-HS-SCCH-FDD-Code-Information-PSCH-ReconfRqst,
 id-HS-PDSCH-TDD-Information-PSCH-ReconfRqst,
 id-Add-To-HS-SCCH-Resource-Pool-PSCH-ReconfRqst,
 id-Modify-HS-SCCH-Resource-Pool-PSCH-ReconfRqst,
 id-Delete-From-HS-SCCH-Resource-Pool-PSCH-ReconfRqst,
 id-SYNCD1CodeId-TransInitLCR-CellSyncInitiationRqstTDD,
 id-SYNCD1CodeId-MeasureInitLCR-CellSyncInitiationRqstTDD,

id-SYNCD1CodeIdTransReconfInfoLCR-CellSyncReconfRqstTDD,
id-SYNCD1CodeIdMeasReconfInfoLCR-CellSyncReconfRqstTDD,
id-SYNCD1CodeIdMeasInfoList-CellSyncReconfRqstTDD,
id-SyncDLCodeIdMeasInfoList-CellSyncReprtTDD,
id-NSubCyclesPerCyclePeriod-CellSyncReconfRqstTDD,
id-DwFCH-Power,
id-AccumulatedClockupdate-CellSyncReprtTDD,
id-HSDPA-Capability,
id-HSDSCH-FDD-Information,
id-HSDSCH-FDD-Information-Response,
id-HSDSCH-Information-to-Modify,
id-HSDSCH-Information-to-Modify-Unsynchronised,
id-HSDSCH-MACdFlows-to-Add,
id-HSDSCH-MACdFlows-to-Delete,
id-HSDSCH-RearrangeList-Bearer-RearrangeInd,
id-HSDSCH-Resources-Information-AuditRsp,
id-HSDSCH-Resources-Information-ResourceStatusInd,
id-HSDSCH-RNTI,
id-HSDSCH-TDD-Information,
id-HSDSCH-TDD-Information-Response,
id-HSPDSCH-RL-ID,
id-HSSICH-Info-DW-Rprt,
id-HSSICH-Info-DW-Rqst,
id-HSSICH-Info-DW-Rsp,
id-PrimCCPCH-RSCP-DL-PC-RqstTDD,
id-HSDSCH-FDD-Update-Information,
id-HSDSCH-TDD-Update-Information,
id-UL-Synchronisation-Parameters-LCR,
id-DL-DPCH-TimeslotFormat-LCR-ModifyItem-RL-ReconfPrepTDD,
id-UL-DPCH-TimeslotFormat-LCR-ModifyItem-RL-ReconfPrepTDD,
id-CCTrCH-Maximum-DL-Power-RL-SetupRqstTDD,
id-CCTrCH-Minimum-DL-Power-RL-SetupRqstTDD,
id-CCTrCH-Maximum-DL-Power-RL-AdditionRqstTDD,
id-CCTrCH-Minimum-DL-Power-RL-AdditionRqstTDD,
id-CCTrCH-Maximum-DL-Power-InformationAdd-RL-ReconfPrepTDD,
id-CCTrCH-Minimum-DL-Power-InformationAdd-RL-ReconfPrepTDD,
id-CCTrCH-Maximum-DL-Power-InformationModify-RL-ReconfPrepTDD,
id-CCTrCH-Minimum-DL-Power-InformationModify-RL-ReconfPrepTDD,
id-Maximum-DL-Power-Modify-LCR-InformationModify-RL-ReconfPrepTDD,
id-Minimum-DL-Power-Modify-LCR-InformationModify-RL-ReconfPrepTDD,
id-DL-DPCH-LCR-InformationModify-ModifyList-RL-ReconfRqstTDD,
id-CCTrCH-Maximum-DL-Power-InformationModify-RL-ReconfRqstTDD,
id-CCTrCH-Minimum-DL-Power-InformationModify-RL-ReconfRqstTDD,
id-TDD-TPC-UplinkStepSize-LCR-RL-SetupRqstTDD,
id-TDD-TPC-UplinkStepSize-LCR-RL-AdditionRqstTDD,
id-TDD-TPC-DownlinkStepSize-RL-AdditionRqstTDD,
id-TDD-TPC-UplinkStepSize-InformationAdd-LCR-RL-ReconfPrepTDD,
id-TDD-TPC-DownlinkStepSize-InformationModify-RL-ReconfPrepTDD,
id-TDD-TPC-DownlinkStepSize-InformationAdd-RL-ReconfPrepTDD,
id-TimeslotISCP-LCR-InfoList-RL-ReconfPrepTDD,
id-TimingAdjustmentValueLCR,
id-PrimaryCCPCH-RSCP-Delta,

maxNrOfCCTrCHs,
 maxNrOfCellSyncBursts,
 maxNrOfCodes,
 maxNrOfCPCHs,
 maxNrOfDCHs,
 maxNrOfDLTSs,
 maxNrOfDLTSILCRs,
 maxNrOfDPCHs,
 maxNrOfDPCHLCRs,
 maxNrOfDSCHs,
 maxNrOfFACHs,
 maxNrOfFRLs,
 maxNrOfFRLs-1,
 maxNrOfFRLs-2,
 maxNrOfFRLSets,
 maxNrOfPCCHs,
 maxNrOfPDSCHs,
 maxNrOfPUSCHs,
 maxNrOfPRACHLCRs,
 maxNrOfPDSCHSets,
 maxNrOfPUSCHSets,
 maxNrOfReceptsPerSyncFrame,
 maxNrOfSCCPCHs,
 maxNrOfSCCPCHsInExt,
 maxNrOfSCCPCHLCRs,
 maxNrOfSCCPCHsLCRinExt,
 maxNrOfULTSs,
 maxNrOfULTSILCRs,
 maxNrOfUSCHs,
 maxAPSignum,
 maxCPCHCell,
 maxFACHCell,
 maxFACHCell,
 maxNoofLen,
 maxRACHCell,
 maxPCCHCell,
 maxPRACHCell,
 maxSCCPCHCell,
 maxSCCPCHCellinExt,
 maxSCCPCHCellinExtLCR,
 maxSCPICHCell,
 maxCellinNodeB,
 maxCCPinNodeB,
 maxCommunicationContext,
 maxLocalCellinNodeB,
 maxNrOfSlotFormatsPRACH,
 maxIB,
 maxIBSEG,
 maxNrOfCellPortionsPerCell,
 maxNrOfHSSCHs,
 maxNrOfHSSIChs,

```

maxNrOfHSPDSCHs,
maxNrOfSyncFramesLCR,
maxNrOfReceptionSyncFrameLCR,
maxNrOfSyncDLCodesLCR,
maxNrOfMACQFlows
FROM NBAP-Constants;
-- *****
-- COMMON TRANSPORT CHANNEL SETUP REQUEST FDD
-- *****
CommonTransportChannelSetupRequestFDD ::= SEQUENCE {
    protocolIEs      ProtocolIE-Container  {{CommonTransportChannelSetupRequestFDD-IEs}},
    protocolExtensions ProtocolExtensionContainer  {{CommonTransportChannelSetupRequestFDD-Extensions}}
    ...
}
CommonTransportChannelSetupRequestFDD-Extensions NBAP-PROTOCOL-EXTENSION ::= {
    ...
}
CommonTransportChannelSetupRequestFDD-IEs NBAP-PROTOCOL-IES ::= {
    { ID id-C-ID                               TYPE C-ID                               PRESENCE mandatory } |
    { ID id-ConfigurationGenerationID         TYPE ConfigurationGenerationID        PRESENCE mandatory } |
    { ID id-CommonPhysicalChannelType-CTCH-SetupRqstFDD TYPE CommonPhysicalChannelType-CTCH-SetupRqstFDD } |
    PRESENCE mandatory },
    ...
}
CommonPhysicalChannelType-CTCH-SetupRqstFDD ::= CHOICE {
    secondary-CCPCH-parameters      Secondary-CCPCH-CTCH-SetupRqstFDD,
    PRACH-parameters                PRACH-CTCH-SetupRqstFDD,
    PCPCHes-parameters              PCPCH-CTCH-SetupRqstFDD,
    ...
}
Secondary-CCPCH-CTCH-SetupRqstFDD ::= SEQUENCE {
    commonPhysicalChannelID          CommonPhysicalChannelID,
    fdd-S-CCPCH-Offset              FDD-S-CCPCH-Offset,
    dl-ScramblingCode                DL-ScramblingCode OPTIONAL,
    -- This IE shall be present if the PCH Parameters IE is not present
    fdd-DL-ChannelisationCodeNumber FDD-DL-ChannelisationCodeNumber,
    TFCS,
    secondary-CCPCH-SlotFormat       SecondaryCCPCH-SlotFormat,
    TFCI-Presence                    TFCI-Presence OPTIONAL,
    -- This IE shall be present if the Secondary CCPCH Slot Format is set to any of the values from 8 to 17
    multiplexingPosition             MultiplexingPosition,
    powerOffsetInformation            PowerOffsetInformation-CTCH-SetupRqstFDD,
    STTD-Indicator                   STTD-Indicator,
    FACH-Parameters                  FACH-ParametersList-CTCH-SetupRqstFDD OPTIONAL,
    pCH-Parameters                   pCH-Parameters-CTCH-SetupRqstFDD OPTIONAL,
}

```

```

    iE-Extensions
    ...
}
ProtocolExtensionContainer { { Secondary-CCPCHItem-CTCH-SetupRgstFDD-ExtIEs } } OPTIONAL,
...
Secondary-CCPCHItem-CTCH-SetupRgstFDD-ExtIEs NBAP-PROTOCOL-EXTENSION ::= {
  { ID id-MICH-Parameters-CTCH-SetupRgstFDD CRITICALITY reject EXTENSION MICH-Parameters-CTCH-SetupRgstFDD PRESENCE optional } |
  { ID id-FDD-S-CCPCH-FrameOffset-CTCH-SetupRgstFDD CRITICALITY reject EXTENSION FDD-S-CCPCH-FrameOffset PRESENCE optional } |
  ...
}
PowerOffsetInformation-CTCH-SetupRgstFDD ::= SEQUENCE {
  PO1-ForTFCL-Bits PowerOffset,
  PO3-ForPilotBits PowerOffset,
  iE-Extensions ProtocolExtensionContainer { { PowerOffsetInformation-CTCH-SetupRgstFDD-ExtIEs } } OPTIONAL,
  ...
}
PowerOffsetInformation-CTCH-SetupRgstFDD-ExtIEs NBAP-PROTOCOL-EXTENSION ::= {
  ...
}
FACH-ParametersList-CTCH-SetupRgstFDD ::= ProtocolIE-Single-Container {{ FACH-ParametersListIEs-CTCH-SetupRgstFDD }}
FACH-ParametersListIEs-CTCH-SetupRgstFDD NBAP-PROTOCOL-IES ::= {
  { ID id-FACH-ParametersListIE-CTCH-SetupRgstFDD CRITICALITY reject TYPE FACH-ParametersListIE-CTCH-SetupRgstFDD PRESENCE mandatory }
}
FACH-ParametersListIE-CTCH-SetupRgstFDD ::= SEQUENCE (SIZE (1..maxNrOfFACHs)) OF FACH-ParametersItem-CTCH-SetupRgstFDD
FACH-ParametersItem-CTCH-SetupRgstFDD ::= SEQUENCE {
  commonTransportChannelID CommonTransportChannelID,
  transportFormatSet TransportFormatSet,
  toAWS ToAWS,
  toAWE ToAWE,
  maxFACH-Power DL-Power,
  iE-Extensions ProtocolExtensionContainer { { FACH-ParametersItem-CTCH-SetupRgstFDD-ExtIEs } } OPTIONAL,
  ...
}
FACH-ParametersItem-CTCH-SetupRgstFDD-ExtIEs NBAP-PROTOCOL-EXTENSION ::= {
  { ID id-bindingID CRITICALITY ignore EXTENSION BindingID PRESENCE optional } |
  { ID id-transportlayeraddress CRITICALITY ignore EXTENSION TransportLayerAddress PRESENCE optional } |
  ...
}
PCH-Parameters-CTCH-SetupRgstFDD ::= ProtocolIE-Single-Container {{ PCH-ParametersIE-CTCH-SetupRgstFDD }}
PCH-ParametersIE-CTCH-SetupRgstFDD NBAP-PROTOCOL-IES ::= {
  { ID id-PCH-ParametersItem-CTCH-SetupRgstFDD CRITICALITY reject TYPE PCH-ParametersItem-CTCH-SetupRgstFDD PRESENCE mandatory }
}
PCH-ParametersItem-CTCH-SetupRgstFDD ::= SEQUENCE {
  commonTransportChannelID CommonTransportChannelID,

```

```

transportFormatSet
toAWS
toAWE
toAWE
DL-Power,
PICH-Parameters
IE-Extensions
...
}

PCH-ParametersItem-CTCH-SetupRgstFDD-ExtIes NBAP-PROTOCOL-EXTENSION ::= {
  CRITICALITY ignore EXTENSION BindingID optional
  { ID id-transportlayeraddress EXTENSION TransportLayerAddress PRESENCE optional },
  ...
}

PICH-Parameters-CTCH-SetupRgstFDD ::= SEQUENCE {
  commonPhysicalChannelID CommonPhysicalChannelID,
  fdd-dl-ChannelisationCodeNumber FDD-DL-ChannelisationCodeNumber,
  PICH-Power,
  PICH-Mode,
  STTD-Indicator,
  IE-Extensions ProtocolExtensionContainer { { PICH-Parameters-CTCH-SetupRgstFDD-ExtIes } } OPTIONAL,
  ...
}

PICH-Parameters-CTCH-SetupRgstFDD-ExtIes NBAP-PROTOCOL-EXTENSION ::= {
  ...
}

MICH-Parameters-CTCH-SetupRgstFDD ::= SEQUENCE {
  commonPhysicalChannelID CommonPhysicalChannelID,
  fdd-dl-ChannelisationCodeNumber FDD-DL-ChannelisationCodeNumber,
  MICH-Power,
  MICH-Mode,
  STTD-Indicator,
  IE-Extensions ProtocolExtensionContainer { { MICH-Parameters-CTCH-SetupRgstFDD-ExtIes } } OPTIONAL,
  ...
}

MICH-Parameters-CTCH-SetupRgstFDD-ExtIes NBAP-PROTOCOL-EXTENSION ::= {
  ...
}

PRACH-CTCH-SetupRgstFDD ::= SEQUENCE {
  commonPhysicalChannelID CommonPhysicalChannelID,
  scramblingCodeNumber ScramblingCodeNumber,
  tFCS,
  preambleSignatures,
  allowedSlotFormatInformation AllowedSlotFormatInformationList-CTCH-SetupRgstFDD,
  rach-SubChannelNumbers RACH-SubChannelNumbers,
  ul-punctureLimit PunctureLimit,
  preambleThreshold PreambleThreshold,
  rach-Parameters RACH-Parameters-CTCH-SetupRgstFDD,
  ...
}

```



```

    aICH-Parameters-CTCH-SetupRqstFDD,
    iE-Extensions
    ...
}

PRACHItem-CTCH-SetupRqstFDD-ExtIEs NBAP-PROTOCOL-EXTENSION ::= {
    ...
}

AllowedSlotFormatInformationList-CTCH-SetupRqstFDD ::= SEQUENCE (SIZE (1.. maxNrOfSlotFormatsPRACH)) OF AllowedSlotFormatInformationItem-CTCH-
SetupRqstFDD

AllowedSlotFormatInformationItem-CTCH-SetupRqstFDD ::= SEQUENCE {
    RACHSlotFormat,
    iE-Extensions
    OPTIONAL,
    ...
}

AllowedSlotFormatInformationItem-CTCH-SetupRqstFDD-ExtIEs NBAP-PROTOCOL-EXTENSION ::= {
    ...
}

RACH-Parameters-CTCH-SetupRqstFDD ::= ProtocolIE-Single-Container { { RACH-ParametersLE-CTCH-SetupRqstFDD } }

RACH-ParametersIE-CTCH-SetupRqstFDD NBAP-PROTOCOL-IES ::= {
    { ID id-RACH-ParametersItem-CTCH-SetupRqstFDD CRITICALITY reject TYPE RACH-ParametersItem-CTCH-SetupRqstFDD PRESENCE mandatory }
}

RACH-ParametersItem-CTCH-SetupRqstFDD ::= SEQUENCE {
    commonTransportChannelID
    transportFormatSet,
    iE-Extensions
    ...
}

RACH-ParametersItem-CTCH-SetupRqstFDD-ExtIEs NBAP-PROTOCOL-EXTENSION ::= SEQUENCE {
    { ID id-bindingID CRITICALITY ignore EXTENSION BindingID PRESENCE optional } |
    { ID id-transportlayeraddress CRITICALITY ignore EXTENSION TransportLayerAddress PRESENCE optional },
    ...
}

AICH-Parameters-CTCH-SetupRqstFDD ::= SEQUENCE {
    commonPhysicalChannelID
    aICH-TransmissionTiming
    fdd-dl-ChannelisationCodeNumber
    aICH-Power,
    STTD-Indicator
    iE-Extensions
    ...
}

AICH-Parameters-CTCH-SetupRqstFDD-ExtIEs NBAP-PROTOCOL-EXTENSION ::= {
    { AICH-Parameters-CTCH-SetupRqstFDD-ExtIEs } }
}

```

```

...
}
PCPCH-CTCH-SetupRqtstFDD ::= SEQUENCE {
  cPCH-Parameters          CPCH-Parameters-CTCH-SetupRqtstFDD,
  IE-Extensions            ProtocolExtensionContainer { { PCPCHItem-CTCH-SetupRqtstFDD-ExtIEs} }
  OPTIONAL,
...
}
PCPCHItem-CTCH-SetupRqtstFDD-ExtIEs NBAP-PROTOCOL-EXTENSION ::= {
...
}
CPCH-Parameters-CTCH-SetupRqtstFDD ::= SEQUENCE {
  commonTransportChannelID      CommonTransportChannelID,
  transportFormatSet            TransportFormatSet,
  appPreamblesScramblingCode   CPCHScramblingCodeNumber,
  cdPreamblesScramblingCode    CPCHScramblingCodeNumber,
  tFCS                          TFCS,
  cdSignatures                  PreamblesSignatures          OPTIONAL,
  cdSubChannelNumbers           CDSubChannelNumbers          OPTIONAL,
  punctureLimit                 PunctureLimit,
  cPCH-UL-DPCCH-SlotFormat      CPCH-UL-DPCCH-SlotFormat,
  ul-SIR                         UL-SIR,
  initialDL-transmissionPower    DL-Power,
  maximumDLPower                 DL-Power,
  minimumDLPower                 DL-Power,
  pO2-ForTPC-Bits                PowerOffset,
  fDD-TPC-DownlinkStepSize       FDD-TPC-DownlinkStepSize,
  nStartMessage                  nStartMessage,
  nEOT                            NEOT,
  channel-Assignment-Indication  Channel-Assignment-Indication,
  cPCH-Allowed-Total-Rate         CPCH-Allowed-Total-Rate,
  pCPCHChannelInformation         PCPCHChannelInformationList-CTCH-SetupRqtstFDD,
  vCAMMapping-Information         VCAMMapping-InformationList-CTCH-SetupRqtstFDD  OPTIONAL,
  -- this IE shall be present if the Channel Assignment Indication is set to "CA Active" --
  ap-AICH-Parameters              AP-AICH-Parameters-CTCH-SetupRqtstFDD,
  cdCA-ICH-Parameters             CDCA-ICH-Parameters-CTCH-SetupRqtstFDD,
  IE-Extensions                   ProtocolExtensionContainer { { CPCH-Parameters-CTCH-SetupRqtstFDD-ExtIEs} }
  OPTIONAL,
...
}
CPCH-Parameters-CTCH-SetupRqtstFDD-ExtIEs NBAP-PROTOCOL-EXTENSION ::= {
  { ID id-bindingID              EXTENSION BindingID           optional }
  { ID id-transportlayeraddress  EXTENSION TransportLayerAddress  optional }
  ...
}
PCPCHChannelInformationList-CTCH-SetupRqtstFDD ::= SEQUENCE (SIZE (1..maxNrofPCCHs)) OF PCPCHChannelInformationItem-CTCH-SetupRqtstFDD
PCPCHChannelInformationItem-CTCH-SetupRqtstFDD ::= SEQUENCE {
  commonPhysicalChannelID        CommonPhysicalChannelID,
  cPCHScramblingCodeNumber       CPCHScramblingCodeNumber,

```

```

    DL-ScramblingCode
    fdd-dl-ChannelisationCodeNumber
    PCP-Length
    UCSCM-Information
    -- this IE shall be present if the Channel Assignment Indication is equal to "CA Inactive" --
    iE-Extensions
    ...
}

PCPCHChannelInformationItem-CTCH-SetupRqstFDD-ExtIEs NBAP-PROTOCOL-EXTENSION ::= {
    ...
}

UCSCM-Information-CTCH-SetupRqstFDD ::= SEQUENCE {
    minUL-ChannelisationCodeLength MinUL-ChannelisationCodeLength,
    nFmax NFmax,
    channelRequestParameters ChannelRequestParametersList-CTCH-SetupRqstFDD OPTIONAL,
    iE-Extensions ProtocolExtensionContainer { { UCSCM-InformationItem-CTCH-SetupRqstFDD-ExtIEs } } OPTIONAL,
    ...
}

UCSCM-InformationItem-CTCH-SetupRqstFDD-ExtIEs NBAP-PROTOCOL-EXTENSION ::= {
    ...
}

ChannelRequestParametersList-CTCH-SetupRqstFDD ::= SEQUENCE (SIZE (1..maxAPSigNum)) OF ChannelRequestParametersItem-CTCH-SetupRqstFDD

ChannelRequestParametersItem-CTCH-SetupRqstFDD ::= SEQUENCE {
    APpreambleSignature APpreambleSignature,
    APSubChannelNumber APSubChannelNumber OPTIONAL,
    iE-Extensions ProtocolExtensionContainer { { ChannelRequestParametersItem-CTCH-SetupRqstFDD-ExtIEs } } OPTIONAL,
    ...
}

ChannelRequestParametersItem-CTCH-SetupRqstFDD-ExtIEs NBAP-PROTOCOL-EXTENSION ::= {
    ...
}

VCAMMapping-InformationList-CTCH-SetupRqstFDD ::= SEQUENCE (SIZE (1..maxNoofLen)) OF VCAMMapping-InformationItem-CTCH-SetupRqstFDD

VCAMMapping-InformationItem-CTCH-SetupRqstFDD ::= SEQUENCE {
    minUL-ChannelisationCodeLength MinUL-ChannelisationCodeLength,
    nFmax NFmax,
    max-Number-of-PCPCHes Max-Number-of-PCPCHes,
    SFRequestParametersList-CTCH-SetupRqstFDD,
    iE-Extensions ProtocolExtensionContainer { { VCAMMapping-InformationItem-CTCH-SetupRqstFDD-ExtIEs } } OPTIONAL,
    ...
}

VCAMMapping-InformationItem-CTCH-SetupRqstFDD-ExtIEs NBAP-PROTOCOL-EXTENSION ::= {
    ...
}

```



```

-- According to the mapping in [9]. The maximum value is equal to the DL spreading factor -1--
FDD-DL-CodeInformation ::= SEQUENCE (SIZE (1..maxNrOfCodes)) OF FDD-DL-CodeInformationItem

FDD-DL-CodeInformationItem ::= SEQUENCE {
    dl-ScramblingCode          DL-ScramblingCode,
    fdd-DL-ChannelisationCodeNumber FDD-DL-ChannelisationCodeNumber,
    transmissionGapPatternSequenceCodeInformation TransmissionGapPatternSequenceCodeInformation OPTIONAL,
    iE-Extensions              ProtocolExtensionContainer { { FDD-DL-CodeInformationItem-ExtIEs } } OPTIONAL,
    ...
}

FDD-DL-CodeInformationItem-ExtIEs NBAP-PROTOCOL-EXTENSION ::= {
    ...
}

FDD-S-CCPCH-FrameOffset ::= INTEGER (0..255)
-- 0: 0 chip, 1: 256 chip, 2: 512 chip, .., 149: 38144 chip [7] --

FDD-TPC-DownlinkStepSize ::= ENUMERATED {
    step-size0-5,
    step-size1,
    step-size1-5,
    step-size2,
    ...
}

FirstRLS-Indicator ::= ENUMERATED {
    first-RLS,
    not-first-RLS,
    ...
}

FNReportingIndicator ::= ENUMERATED {
    fN-reporting-required,
    fN-reporting-not-required
}

FrameHandlingPriority ::= INTEGER (0..15)
-- 0=lowest priority, 15=highest priority --

FrameAdjustmentValue ::= INTEGER(0..4095)

FrameOffset ::= INTEGER (0..255)

FPACH-Power ::= INTEGER (-150..400,...) -- FPACH-power = power * 10
-- If power <= -15 FPACH shall be set to -150
-- If power >= 40 FPACH shall be set to 400
-- Unit dBm, Range -15dBm .. +40 dBm, Step +0.1dB

```



```

id-commonTransportChannelReconfiguration ProcedureCode ::= 11
id-commonTransportChannelSetup ProcedureCode ::= 12
id-compressedModeCommand ProcedureCode ::= 14
id-dedicatedMeasurementFailure ProcedureCode ::= 16
id-dedicatedMeasurementInitiation ProcedureCode ::= 17
id-dedicatedMeasurementReport ProcedureCode ::= 18
id-dedicatedMeasurementTermination ProcedureCode ::= 19
id-downlinkPowerControl ProcedureCode ::= 20
id-downlinkPowerTimeslotControl ProcedureCode ::= 38
id-errorIndicationForCommon ProcedureCode ::= 35
id-errorIndicationForDedicated ProcedureCode ::= 21
id-informationExchangeFailure ProcedureCode ::= 40
id-informationExchangeInitiation ProcedureCode ::= 41
id-informationExchangeTermination ProcedureCode ::= 42
id-informationReporting ProcedureCode ::= 43
id-BearerRearrangement ProcedureCode ::= 50
id-mBMSNotificationUpdate ProcedureCode ::= 53
id-physicalSharedChannelReconfiguration ProcedureCode ::= 37
id-privateMessageForCommon ProcedureCode ::= 36
id-radioLinkAddition ProcedureCode ::= 23
id-radioLinkDeletion ProcedureCode ::= 24
id-radioLinkFailure ProcedureCode ::= 25
id-radioLinkPreemption ProcedureCode ::= 39
id-radioLinkRestoration ProcedureCode ::= 26
id-radioLinkSetup ProcedureCode ::= 27
id-reset ProcedureCode ::= 13
id-resourceStatusIndication ProcedureCode ::= 28
id-cellSynchronisationAdjustment ProcedureCode ::= 44
id-synchronisedRadioLinkReconfigurationCancellation ProcedureCode ::= 29
id-synchronisedRadioLinkReconfigurationCommit ProcedureCode ::= 30
id-synchronisedRadioLinkReconfigurationPreparation ProcedureCode ::= 31
id-systemInformationUpdate ProcedureCode ::= 32
id-unblockResource ProcedureCode ::= 33
id-unSynchronisedRadioLinkReconfiguration ProcedureCode ::= 34
id-radioLinkActivation ProcedureCode ::= 51
id-radioLinkParameterUpdate ProcedureCode ::= 52
-- *****
--
-- Lists
-- *****
maxNrOfCodes INTEGER ::= 10
maxNrOfDLTS INTEGER ::= 15
maxNrOfDLTSLCRS INTEGER ::= 6
maxNrOfErrors INTEGER ::= 256
maxNrOfTFS INTEGER ::= 32
maxNrOfTFCs INTEGER ::= 1024
maxNrOfFRLs INTEGER ::= 16
maxNrOfFRLs-1 -- maxNrOfFRLs - 1
maxNrOfFRLs-2 -- maxNrOfFRLs - 2

```

```

maxNrOfRISets
maxNrOfDPCHs
maxNrOfDPCHLCRs
maxNrOfSCCPCHs
maxNrOfSCCPCHsInExt
maxNrOfCPCHs
maxNrOfDPCHs
maxNrOfFACHs
maxNrOfPDSCHs
maxNrOfCCTrCHs
maxNrOfPDSCHs
maxNrOfHSPDSCHs
maxNrOfPUSCHs
maxNrOfPDSCHsets
maxNrOfPRACHLCRs
maxNrOfPUSCHsets
maxNrOfSCCPCHLCRs
maxNrOfSCCPCHsLCRinExt
maxNrOfULFSS
maxNrOfULFSLCRs
maxAPSignum
maxNrOfUSCHs
maxAPSlotFormatsPRACH
maxCellInNodeB
maxCPInNodeB
maxCPCHCell
maxCTFC
maxLocalCellInNodeB
maxNoofLen
maxFACHCell
maxRACHCell
maxPRACHCell
maxPCPCHCell
maxSCCPCHCell
maxSCCPCHCellinExt
maxSCCPCHCellinExtLCR
maxSCPCHCell
maxTTI-count
maxIBSEG
maxIB
maxFACHCell
maxRateMatching
maxCodeNrComp-1
maxHS-PDSCHCodeNrComp-1
maxHS-SCCHCodeNrComp-1
maxNrOfCellSyncBursts
maxNrOfCodeGroups
maxNrOfReceptsPerSyncFrame
maxNrOfMeasNCell
maxNrOfMeasNCell-1
maxNrOfTTFCIGroups
maxNrOfTTFCILCombs
INTEGER ::= maxNrOfRISets
INTEGER ::= 240
INTEGER ::= 240
INTEGER ::= 8
INTEGER ::= 232
INTEGER ::= 16
INTEGER ::= 64
INTEGER ::= 128
INTEGER ::= 32
INTEGER ::= 8
INTEGER ::= 16
INTEGER ::= 256
INTEGER ::= 16
INTEGER ::= 256
INTEGER ::= 256
INTEGER ::= 8
INTEGER ::= 256
INTEGER ::= 8
INTEGER ::= 88
INTEGER ::= 15
INTEGER ::= 6
INTEGER ::= 32
INTEGER ::= 16
INTEGER ::= 8
INTEGER ::= 8
INTEGER ::= 256
INTEGER ::= 256
INTEGER ::= maxNrOfCPCHs
INTEGER ::= 16777215
INTEGER ::= maxCellInNodeB
INTEGER ::= 7
INTEGER ::= 8
INTEGER ::= maxPRACHCell
INTEGER ::= 16
INTEGER ::= 64
INTEGER ::= 32
INTEGER ::= 208 -- maxNrOfSCCPCHs + maxNrOfSCCPCHsInExt - maxSCCPCHCell
INTEGER ::= 64 -- maxNrOfSCCPCHLCRs + maxNrOfSCCPCHsLCRinExt - maxSCCPCHCell
INTEGER ::= 32
INTEGER ::= 4
INTEGER ::= 16
INTEGER ::= 64
INTEGER ::= 256 -- maxNrOfFACHs * maxSCCPCHCell
INTEGER ::= 256
INTEGER ::= 256
INTEGER ::= 15
INTEGER ::= 127
INTEGER ::= 10
INTEGER ::= 256
INTEGER ::= 16
INTEGER ::= 96
INTEGER ::= 95 -- maxNrOfMeasNCell - 1
INTEGER ::= 256
INTEGER ::= 512

```



```

maxNrOfTFICI2Combs          INTEGER ::= 1024
maxNrOfTFICI2Combs-1       INTEGER ::= 1023
maxNrOfSF                   INTEGER ::= 8
maxTGPS                     INTEGER ::= 6
maxCommunicationContext    INTEGER ::= 1048575
maxNrOfLevels              INTEGER ::= 256
maxNoSat                   INTEGER ::= 16
maxNoGPSItems              INTEGER ::= 8
maxNrOfHSSCCHS             INTEGER ::= 32
maxNrOfHSSICHS             INTEGER ::= 4
maxNrOfSyncFramesLCR       INTEGER ::= 512
maxNrOfReceptionsperSyncFramelCR  INTEGER ::= 8
maxNrOfSyncDLCodesLCR     INTEGER ::= 32
maxNrOfHSSCCHCodes        INTEGER ::= 4
maxNrOfMACdFlows          INTEGER ::= 8
maxNrOfMACdFlows-1        INTEGER ::= 7 -- maxNrOfMACdFlows - 1
maxNrOfMACdPDUIndexes     INTEGER ::= 8
maxNrOfMACdPDUIndexes-1   INTEGER ::= 7 -- maxNoOfMACdPDUIndexes - 1
maxNrOfNIS                 INTEGER ::= 256
maxNrOfPriorityQueues      INTEGER ::= 8
maxNrOfPriorityQueues-1    INTEGER ::= 7 -- maxNoOfPriorityQueues - 1
maxNrOfHARQProcesses      INTEGER ::= 8
maxNrOfContextsOnUeList   INTEGER ::= 16
maxNrOfCellPortionsPerCell  INTEGER ::= 64
maxNrOfCellPortionsPerCell-1  INTEGER ::= 63
maxNrOfPriorityClasses     INTEGER ::= 16
maxNrOfSatAlmanac-maxNoSat  INTEGER ::= 16 -- maxNrOfSatAlmanac - maxNoSat

-- *****
--
-- IEs
-- *****
id-AICH-Information          ProtocolIE-ID ::= 0
id-AICH-InformationItem-ResourceStatusInd  ProtocolIE-ID ::= 1
id-BCH-Information          ProtocolIE-ID ::= 7
id-BCH-InformationItem-ResourceStatusInd  ProtocolIE-ID ::= 8
id-BCH-ModificationTime    ProtocolIE-ID ::= 9
id-BlockingPriorityIndicator ProtocolIE-ID ::= 10
id-Cause                    ProtocolIE-ID ::= 13
id-CCP-InformationItem-AuditRsp ProtocolIE-ID ::= 14
id-CCP-InformationList-AuditRsp ProtocolIE-ID ::= 15
id-CCP-InformationItem-ResourceStatusInd  ProtocolIE-ID ::= 16
id-Cell-InformationItem-AuditRsp ProtocolIE-ID ::= 17
id-Cell-InformationItem-ResourceStatusInd  ProtocolIE-ID ::= 18
id-Cell-InformationList-AuditRsp ProtocolIE-ID ::= 19
id-CellParameterID         ProtocolIE-ID ::= 23
id-CFN                      ProtocolIE-ID ::= 24
id-C-ID                    ProtocolIE-ID ::= 25
id-CommonMeasurementAccuracy ProtocolIE-ID ::= 39
id-CommonMeasurementObjectType-CM-Rprt    ProtocolIE-ID ::= 31

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id-CommonMeasurementObjectType-CM-Rqst	ProtocolIE-Id ::= 32
id-CommonMeasurementObjectType-CM-Rsp	ProtocolIE-Id ::= 33
id-CommonMeasurementType	ProtocolIE-Id ::= 34
id-CommonPhysicalChannelID	ProtocolIE-Id ::= 35
id-CommonPhysicalChannelType-CTCH-SetupRqstFDD	ProtocolIE-Id ::= 36
id-CommonPhysicalChannelType-CTCH-SetupRqstTDD	ProtocolIE-Id ::= 37
id-CommunicationControlPortID	ProtocolIE-Id ::= 40
id-ConfigurationGenerationID	ProtocolIE-Id ::= 43
id-CRNC-CommunicationContextID	ProtocolIE-Id ::= 44
id-CriticalityDiagnostics	ProtocolIE-Id ::= 45
id-DCHs-to-Add-FDD	ProtocolIE-Id ::= 48
id-DCH-AddList-RL-ReconfPrepTDD	ProtocolIE-Id ::= 49
id-DCHs-to-Add-TDD	ProtocolIE-Id ::= 50
id-DCH-DeleteList-RL-ReconfPrepFDD	ProtocolIE-Id ::= 52
id-DCH-DeleteList-RL-ReconfPrepTDD	ProtocolIE-Id ::= 53
id-DCH-DeleteList-RL-ReconfRqstFDD	ProtocolIE-Id ::= 54
id-DCH-DeleteList-RL-ReconfRqstTDD	ProtocolIE-Id ::= 55
id-DCH-FDD-Information	ProtocolIE-Id ::= 56
id-DCH-TDD-Information	ProtocolIE-Id ::= 57
id-DCH-InformationResponse	ProtocolIE-Id ::= 59
id-FDD-DCHs-to-Modify	ProtocolIE-Id ::= 62
id-TDD-DCHs-to-Modify	ProtocolIE-Id ::= 63
id-DCH-ModifyList-RL-ReconfRqstTDD	ProtocolIE-Id ::= 65
id-DCH-RearrangeList-Bearer-RearrangeInd	ProtocolIE-Id ::= 135
id-DedicatedMeasurementObjectType-DM-Rprt	ProtocolIE-Id ::= 68
id-DedicatedMeasurementObjectType-DM-Rqst	ProtocolIE-Id ::= 69
id-DedicatedMeasurementType	ProtocolIE-Id ::= 70
id-DL-CCTrCH-InformationItem-RL-SetupRqstTDD	ProtocolIE-Id ::= 72
id-DL-CCTrCH-InformationList-RL-AdditionRqstTDD	ProtocolIE-Id ::= 73
id-DL-CCTrCH-InformationList-RL-SetupRqstTDD	ProtocolIE-Id ::= 76
id-DL-DPCH-InformationItem-RL-AdditionRqstTDD	ProtocolIE-Id ::= 77
id-DL-DPCH-InformationList-RL-SetupRqstTDD	ProtocolIE-Id ::= 79
id-DL-DPCH-Information-RL-ReconfPrepFDD	ProtocolIE-Id ::= 81
id-DL-DPCH-Information-RL-ReconfRqstFDD	ProtocolIE-Id ::= 82
id-DL-DPCH-Information-RL-SetupRqstFDD	ProtocolIE-Id ::= 83
id-DL-DPCH-TimingAdjustment	ProtocolIE-Id ::= 21
id-DL-ReferencePowerInformationItem-DL-PC-Rqst	ProtocolIE-Id ::= 84
id-DLReferencePower	ProtocolIE-Id ::= 85
id-DLReferencePowerList-DL-PC-Rqst	ProtocolIE-Id ::= 86
id-DSCH-AddItem-RL-ReconfPrepFDD	ProtocolIE-Id ::= 87
id-DSCHs-to-Add-FDD	ProtocolIE-Id ::= 89
id-DSCH-DeleteItem-RL-ReconfPrepFDD	ProtocolIE-Id ::= 91
id-DSCH-DeleteList-RL-ReconfPrepFDD	ProtocolIE-Id ::= 93
id-DSCHs-to-Add-TDD	ProtocolIE-Id ::= 96
id-DSCH-Information-DeleteList-RL-ReconfPrepTDD	ProtocolIE-Id ::= 98
id-DSCH-Information-ModifyList-RL-ReconfPrepTDD	ProtocolIE-Id ::= 100
id-DSCH-InformationResponse	ProtocolIE-Id ::= 105
id-DSCH-FDD-Information	ProtocolIE-Id ::= 106
id-DSCH-TDD-Information	ProtocolIE-Id ::= 107
id-DSCH-ModifyItem-RL-ReconfPrepFDD	ProtocolIE-Id ::= 108
id-DSCH-ModifyList-RL-ReconfPrepFDD	ProtocolIE-Id ::= 112
id-DSCH-RearrangeList-Bearer-RearrangeInd	ProtocolIE-Id ::= 136

id-End-Of-Audit-Sequence-Indicator
 id-FACH-Information
 id-FACH-InformationItem-ResourceStatusInd
 id-FACH-ParametersList-CTCH-ReconfRgstTDD
 id-FACH-ParametersListIE-CTCH-SetupRgstFDD
 id-FACH-ParametersListIE-CTCH-SetupRgstTDD
 id-IndicationType-ResourceStatusInd
 id-Local-Cell-ID
 id-Local-Cell-Group-InformationItem-AuditRsp
 id-Local-Cell-Group-InformationItem-ResourceStatusInd
 id-Local-Cell-Group-InformationItem2-ResourceStatusInd
 id-Local-Cell-Group-InformationList-AuditRsp
 id-Local-Cell-Group-InformationList-AuditRsp
 id-Local-Cell-InformationItem-ResourceStatusInd
 id-Local-Cell-InformationItem2-ResourceStatusInd
 id-Local-Cell-InformationList-AuditRsp
 id-AdjustmentPeriod
 id-MaxAdjustmentStep
 id-MaximumTransmissionPower
 id-MeasurementFilterCoefficient
 id-MeasurementID
 id-MessageStructure
 id-MIB-SB-SIB-InformationList-SystemInfoUpdateRgst
 id-NodeB-CommunicationContextID
 id-NeighbouringCellMeasurementInformation
 id-P-CCPCH-Information
 id-P-CCPCH-InformationItem-ResourceStatusInd
 id-P-CPICH-Information
 id-P-SCH-Information
 id-P-SCH-InformationItem-ResourceStatusInd
 id-P-PCPCH-Information-Cell-ReconfRgstTDD
 id-P-PCPCH-Information-Cell-SetupRgstTDD
 id-PCH-Parameters-CTCH-ReconfRgstTDD
 id-PCH-ParametersItem-CTCH-SetupRgstFDD
 id-PCH-ParametersItem-CTCH-SetupRgstTDD
 id-PCH-Information
 id-PDSCH-Information-AddListIE-PSCH-ReconfRgst
 id-PDSCH-Information-ModifyListIE-PSCH-ReconfRgst
 id-PDSCHSets-AddList-PSCH-ReconfRgst
 id-PDSCHSets-DeleteList-PSCH-ReconfRgst
 id-PDSCHSets-ModifyList-PSCH-ReconfRgst
 id-PTCH-Information
 id-PowerAdjustmentType
 id-PRACH-Information
 id-PrimaryCCPCH-Information-Cell-ReconfRgstFDD
 id-PrimaryCCPCH-Information-Cell-SetupRgstFDD
 id-PrimaryCPICH-Information-Cell-ReconfRgstFDD
 id-PrimaryCPICH-Information-Cell-SetupRgstFDD
 id-PrimarySCH-Information-Cell-ReconfRgstFDD
 id-PrimarySCH-Information-Cell-SetupRgstFDD
 id-SCH-Information-Cell-ReconfRgstTDD

ProtocolIE-ID ::= 113
 ProtocolIE-ID ::= 116
 ProtocolIE-ID ::= 117
 ProtocolIE-ID ::= 120
 ProtocolIE-ID ::= 121
 ProtocolIE-ID ::= 122
 ProtocolIE-ID ::= 123
 ProtocolIE-ID ::= 124
 ProtocolIE-ID ::= 2
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 ProtocolIE-ID ::= 177
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 ProtocolIE-ID ::= 181
 ProtocolIE-ID ::= 183

id-SCH-Information-Cell-SetupRqtTDD	ProtocolIE-ID ::= 184
id-PUSCH-Information-AddListIE-PSCH-ReconfRqt	ProtocolIE-ID ::= 185
id-PUSCH-Information-ModifyListIE-PSCH-ReconfRqt	ProtocolIE-ID ::= 186
id-PUSCHSets-AddList-PSCH-ReconfRqt	ProtocolIE-ID ::= 187
id-PUSCHSets-DeleteList-PSCH-ReconfRqt	ProtocolIE-ID ::= 188
id-PUSCHSets-ModifyList-PSCH-ReconfRqt	ProtocolIE-ID ::= 189
id-RACH-Information	ProtocolIE-ID ::= 190
id-RACH-ParametersItem-CTCH-SetupRqtFDD	ProtocolIE-ID ::= 196
id-RACH-ParameterItem-CTCH-SetupRqtTDD	ProtocolIE-ID ::= 197
id-ReportCharacteristics	ProtocolIE-ID ::= 198
id-Reporting-Object-RL-FailureInd	ProtocolIE-ID ::= 199
id-Reporting-Object-RL-RestoreInd	ProtocolIE-ID ::= 200
id-RL-InformationItem-DM-Rprt	ProtocolIE-ID ::= 202
id-RL-InformationItem-DM-Rqst	ProtocolIE-ID ::= 203
id-RL-InformationItem-DM-Rsp	ProtocolIE-ID ::= 204
id-RL-InformationItem-RL-AdditionRqtFDD	ProtocolIE-ID ::= 205
id-RL-InformationItem-RL-DeletionRqt	ProtocolIE-ID ::= 206
id-RL-InformationItem-RL-FailureInd	ProtocolIE-ID ::= 207
id-RL-InformationItem-RL-PreemptRequiredInd	ProtocolIE-ID ::= 208
id-RL-InformationItem-RL-ReconfPrepFDD	ProtocolIE-ID ::= 208
id-RL-InformationItem-RL-ReconfRqtFDD	ProtocolIE-ID ::= 209
id-RL-InformationItem-RL-RestoreInd	ProtocolIE-ID ::= 210
id-RL-InformationItem-RL-SetupRqtFDD	ProtocolIE-ID ::= 211
id-RL-InformationList-RL-AdditionRqtFDD	ProtocolIE-ID ::= 212
id-RL-InformationList-RL-DeletionRqt	ProtocolIE-ID ::= 213
id-RL-InformationList-RL-PreemptRequiredInd	ProtocolIE-ID ::= 237
id-RL-InformationList-RL-ReconfPrepFDD	ProtocolIE-ID ::= 214
id-RL-InformationList-RL-ReconfRqtFDD	ProtocolIE-ID ::= 215
id-RL-InformationList-RL-SetupRqtFDD	ProtocolIE-ID ::= 216
id-RL-InformationResponseItem-RL-AdditionRspFDD	ProtocolIE-ID ::= 217
id-RL-InformationResponseItem-RL-ReconfReady	ProtocolIE-ID ::= 218
id-RL-InformationResponseItem-RL-ReconfRsp	ProtocolIE-ID ::= 219
id-RL-InformationResponseItem-RL-SetupRspFDD	ProtocolIE-ID ::= 220
id-RL-InformationResponseList-RL-AdditionRspFDD	ProtocolIE-ID ::= 221
id-RL-InformationResponseList-RL-ReconfReady	ProtocolIE-ID ::= 222
id-RL-InformationResponseList-RL-ReconfRsp	ProtocolIE-ID ::= 223
id-RL-InformationResponseList-RL-SetupRspFDD	ProtocolIE-ID ::= 224
id-RL-InformationResponse-RL-AdditionRspTDD	ProtocolIE-ID ::= 225
id-RL-InformationResponse-RL-SetupRspTDD	ProtocolIE-ID ::= 226
id-RL-Information-RL-ReconfRqtTDD	ProtocolIE-ID ::= 228
id-RL-Information-RL-ReconfPrepTDD	ProtocolIE-ID ::= 229
id-RL-Information-RL-SetupRqtTDD	ProtocolIE-ID ::= 230
id-RL-ReconfigurationFailureItem-RL-ReconfFailure	ProtocolIE-ID ::= 236
id-RL-Set-InformationItem-DM-Rprt	ProtocolIE-ID ::= 238
id-RL-Set-InformationItem-DM-Rsp	ProtocolIE-ID ::= 240
id-RL-Set-InformationItem-RL-FailureInd	ProtocolIE-ID ::= 241
id-RL-Set-InformationItem-RL-RestoreInd	ProtocolIE-ID ::= 242
id-S-CCPCH-Information	ProtocolIE-ID ::= 247
id-S-CPICH-Information	ProtocolIE-ID ::= 249
id-SCH-Information	ProtocolIE-ID ::= 251
id-S-SCH-Information	ProtocolIE-ID ::= 253
id-Secondary-CCPCHListIE-CTCH-ReconfRqtTDD	ProtocolIE-ID ::= 257

id-Secondary-CPCH-parametersListIE-CTCH-SetupRqstTDD
 id-Secondary-CPCH-Parameters-CTCH-ReconfRqstTDD
 id-SecondaryCPICH-InformationItem-Cell-ReconfRqstFDD
 id-SecondaryCPICH-InformationItem-Cell-SetupRqstFDD
 id-SecondaryCPICH-InformationList-Cell-ReconfRqstFDD
 id-SecondaryCPICH-InformationList-Cell-SetupRqstFDD
 id-SecondarySCH-Information-Cell-ReconfRqstFDD
 id-SecondarySCH-Information-Cell-SetupRqstFDD
 id-SegmentInformationListIE-SystemInfoUpdate
 id-SFN
 id-SignallingBearerRequestIndicator
 id-ShutdownTimer
 id-Start-Of-Audit-Sequence-Indicator
 id-Successful-RL-InformationRespItem-RL-AdditionFailureFDD
 id-Successful-RL-InformationRespItem-RL-SetupFailureFDD
 id-SyncCase
 id-SyncCaseIndicatorItem-Cell-SetupRqstTDD-PSCH
 id-T-Cell
 id-TargetCommunicationControlPortID
 id-TimeSlotConfigurationList-Cell-ReconfRqstTDD
 id-TimeSlotConfigurationList-Cell-SetupRqstTDD
 id-TransmissionDiversityApplied
 id-TypeOfError
 id-UARFCNForNT
 id-UARFCNForND
 id-UARFCNForNu
 id-UL-CCTrCH-InformationItem-RL-SetupRqstTDD
 id-UL-CCTrCH-InformationList-RL-AdditionRqstTDD
 id-UL-CCTrCH-InformationList-RL-SetupRqstTDD
 id-UL-DPCH-InformationItem-RL-AdditionRqstTDD
 id-UL-DPCH-InformationList-RL-SetupRqstTDD
 id-UL-DPCH-Information-RL-ReconfPrepFDD
 id-UL-DPCH-Information-RL-ReconfRqstFDD
 id-UL-DPCH-Information-RL-SetupRqstFDD
 id-Unsuccessful-RL-InformationRespItem-RL-AdditionFailureFDD
 id-Unsuccessful-RL-InformationRespItem-RL-SetupFailureFDD
 id-Unsuccessful-RL-InformationResp-RL-AdditionFailureTDD
 id-Unsuccessful-RL-InformationResp-RL-SetupFailureTDD
 id-USCH-Information-Add
 id-USCH-Information-DeleteList-RL-ReconfPrepTDD
 id-USCH-Information-ModifyList-RL-ReconfPrepTDD
 id-USCH-InformationResponse
 id-USCH-Information
 id-USCH-RearrangeList-Bearer-RearrangeInd
 id-Active-Pattern-Sequence-Information
 id-AICH-ParametersListIE-CTCH-ReconfRqstFDD
 id-AdjustmentRatio
 id-AP-AICH-Information
 id-AP-AICH-ParametersListIE-CTCH-ReconfRqstFDD
 id-FACH-ParametersListIE-CTCH-ReconfRqstFDD
 id-CauseLevel-PSCH-ReconfFailure
 id-CauseLevel-RL-AdditionFailureFDD
 id-CauseLevel-RL-AdditionFailureTDD

ProtocolIE-ID ::= 258
 ProtocolIE-ID ::= 259
 ProtocolIE-ID ::= 260
 ProtocolIE-ID ::= 261
 ProtocolIE-ID ::= 262
 ProtocolIE-ID ::= 263
 ProtocolIE-ID ::= 264
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 ProtocolIE-ID ::= 326

id-CauseLevel-RL-ReconfFailure
 id-CauseLevel-RL-SetupFailureFDD
 id-CauseLevel-RL-SetupFailureTDD
 id-CDCA-ICH-Information
 id-CDCA-ICH-ParametersListIE-CTCH-ReconfRgstFDD
 id-Closed-Loop-Timing-Adjustment-Mode
 id-CommonPhysicalChannelType-CTCH-ReconfRgstFDD
 id-Compressed-Mode-Deactivation-Flag
 id-CPCH-Information
 id-CPCH-Parameters-CTCH-SetupRsp
 id-CPCH-ParametersListIE-CTCH-ReconfRgstFDD
 id-DL-CCTrCH-InformationAddList-RL-ReconfPrepTDD
 id-DL-CCTrCH-InformationDeleteItem-RL-ReconfRgstTDD
 id-DL-CCTrCH-InformationDeleteList-RL-ReconfPrepTDD
 id-DL-CCTrCH-InformationDeleteList-RL-ReconfRgstTDD
 id-DL-CCTrCH-InformationModifyItem-RL-ReconfRgstTDD
 id-DL-CCTrCH-InformationModifyList-RL-ReconfPrepTDD
 id-DL-CCTrCH-InformationModifyList-RL-ReconfRgstTDD
 id-DL-DPCH-InformationAddListIE-RL-ReconfPrepTDD
 id-DL-DPCH-InformationModify-AddListIE-RL-ReconfPrepTDD
 id-DL-DPCH-InformationModify-DeleteListIE-RL-ReconfPrepTDD
 id-DL-DPCH-InformationModify-ModifyListIE-RL-ReconfPrepTDD
 id-DL-TPC-Pattern01Count
 id-DPC-Mode
 id-DPCHConstant
 id-DSCH-FDD-Common-Information
 id-EnhancedDSCHPC
 id-EnhancedDSCHPCIndicator
 id-FACH-ParametersList-CTCH-SetupRsp
 id-Limited-power-increase-information-Cell-SetupRgstFDD
 id-PCH-Parameters-CTCH-SetupRsp
 id-PCH-ParametersItem-CTCH-ReconfRgstFDD
 id-PCFCH-Information
 id-PTCH-ParametersItem-CTCH-ReconfRgstFDD
 id-PRACHConstant
 id-PRACH-ParametersListIE-CTCH-ReconfRgstFDD
 id-FUSCHConstant
 id-RACH-Parameters-CTCH-SetupRsp
 id-SSDT-CellIDforEDSCHPC
 id-Synchronisation-Configuration-Cell-ReconfRgst
 id-Synchronisation-Configuration-Cell-SetupRgst
 id-Transmission-Gap-Pattern-Sequence-Information
 id-UL-CCTrCH-InformationAddList-RL-ReconfPrepTDD
 id-UL-CCTrCH-InformationDeleteItem-RL-ReconfRgstTDD
 id-UL-CCTrCH-InformationDeleteList-RL-ReconfPrepTDD
 id-UL-CCTrCH-InformationDeleteList-RL-ReconfRgstTDD
 id-UL-CCTrCH-InformationModifyItem-RL-ReconfRgstTDD
 id-UL-CCTrCH-InformationModifyList-RL-ReconfPrepTDD
 id-UL-CCTrCH-InformationModifyList-RL-ReconfRgstTDD
 id-UL-DPCH-InformationAddListIE-RL-ReconfPrepTDD
 id-UL-DPCH-InformationModify-AddListIE-RL-ReconfPrepTDD
 id-UL-DPCH-InformationModify-DeleteListIE-RL-ReconfPrepTDD
 id-UL-DPCH-InformationModify-ModifyListIE-RL-ReconfPrepTDD

ProtocolIE-ID ::= 327
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 ProtocolIE-ID ::= 399
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 ProtocolIE-ID ::= 402
 ProtocolIE-ID ::= 403
 ProtocolIE-ID ::= 405
 ProtocolIE-ID ::= 406
 ProtocolIE-ID ::= 407

id-Unsuccessful-PDSCHSetItem-PSCH-ReconfFailureTDD
 id-Unsuccessful-PUSCHSetItem-PSCH-ReconfFailureTDD
 id-CommunicationContextInfoItem-Reset
 id-CommunicationControlPortInfoItem-Reset
 id-ResetIndicator
 id-TPCI2-Bearer-Information-RL-SetupRqstFDD
 id-TPCI2-BearerSpecificInformation-RL-ReconfPrepFDD
 id-TPCI2-BearerInformationResponse
 id-TPCI2BearerRequestIndicator
 id-TimingAdvanceApplied
 id-SFNReportingIndicator
 id-InnerLoopDLPCStatus
 id-TimeslotISCFInfo
 id-PTCH-ParametersItem-CTCH-SetupRqstTDD
 id-PRACH-ParametersItem-CTCH-SetupRqstTDD
 id-CCTrCH-InformationItem-RL-FailureInd
 id-CCTrCH-InformationItem-RL-RestoreInd
 id-CauseLevel-SyncAdjstmntFailureTDD
 id-CellAdjustmentInfo-SyncAdjstmntRqstTDD
 id-CellAdjustmentInfoItem-SyncAdjstmntRqstTDD
 id-CellSyncBurstInfoList-CellSyncReconfRqstTDD
 id-CellSyncBurstTransInit-CellSyncInitiationRqstTDD
 id-CellSyncBurstMeasureInit-CellSyncInitiationRqstTDD
 id-CellSyncBurstTransReconfInit-CellSyncReconfRqstTDD
 id-CellSyncBurstTransReconfInit-CellSyncReconfRqstTDD
 id-CellSyncBurstTransInfoList-CellSyncReconfRqstTDD
 id-CellSyncBurstMeasInfoList-CellSyncReconfRqstTDD
 id-CellSyncBurstTransReconfInfo-CellSyncReconfRqstTDD
 id-CellSyncInfo-CellSyncReprttTDD
 id-CSBTransmisionID
 id-CSBMeasurementID
 id-IntStdPhCellSyncInfoItem-CellSyncReprttTDD
 id-NCyclesPerSFNPeriod
 id-NRepetitionsPerCyclePeriod
 id-SyncFrameNumber
 id-SynchronisationReportType
 id-SynchronisationReportCharacteristics
 id-Unsuccessful-cell-InformationRespItem-SyncAdjstmntFailureTDD
 id-LateEntranceCellSyncInfoItem-CellSyncReprttTDD
 id-ReferenceClockAvailability
 id-ReferenceSFNOffset
 id-InformationExchangeID
 id-InformationExchangeObjectType-InfEx-Rqst
 id-InformationType
 id-InformationReportCharacteristics
 id-InformationExchangeObjectType-InfEx-Rsp
 id-InformationExchangeObjectType-InfEx-Rprt
 id-IPDLParameter-Information-Cell-ReconfRqstFDD
 id-IPDLParameter-Information-Cell-SetupRqstFDD
 id-IPDLParameter-Information-Cell-ReconfRqstTDD
 id-IPDLParameter-Information-Cell-SetupRqstTDD
 id-DL-DPCH-LCR-Information-RL-SetupRqstTDD

ProtocolIE-ID ::= 408
 ProtocolIE-ID ::= 409
 ProtocolIE-ID ::= 412
 ProtocolIE-ID ::= 414
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 ProtocolIE-ID ::= 417
 ProtocolIE-ID ::= 418
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 ProtocolIE-ID ::= 454
 ProtocolIE-ID ::= 74

id-DwPCH-LCR-Information
 id-DwPCH-LCR-InformationList-AuditRsp
 id-DwPCH-LCR-Information-Cell-SetupRqstTDD
 id-DwPCH-LCR-Information-Cell-ReconfRqstTDD
 id-DwPCH-LCR-Information-ResourceStatusInd
 id-maxFACH-Power-LCR-CTCH-SetupRqstTDD
 id-maxFACH-Power-LCR-CTCH-ReconfRqstTDD
 id-PPACH-LCR-Information
 id-PPACH-LCR-Information-AuditRsp
 id-PPACH-LCR-InformationList-AuditRsp
 id-PPACH-LCR-InformationList-ResourceStatusInd
 id-PPACH-LCR-Parameters-CTCH-SetupRqstTDD
 id-PPACH-LCR-Parameters-CTCH-ReconfRqstTDD
 id-PPCPCH-LCR-Information-Cell-SetupRqstTDD
 id-PCH-Power-LCR-CTCH-SetupRqstTDD
 id-PCH-Power-LCR-CTCH-ReconfRqstTDD
 id-PTCH-LCR-Parameters-CTCH-SetupRqstTDD
 id-PRACH-LCR-ParametersList-CTCH-SetupRqstTDD
 id-RL-InformationResponse-LCR-RL-SetupRspTDD
 id-Secondary-CCPCH-LCR-parameterList-CTCH-SetupRqstTDD
 id-TimeSlot
 id-TimeSlotConfigurationList-LCR-Cell-ReconfRqstTDD
 id-TimeSlotConfigurationList-LCR-Cell-SetupRqstTDD
 id-TimeSlotISCP-LCR-InfoList-RL-SetupRqstTDD
 id-TimeSlotLCR-CW-Rqst
 id-UL-DPCH-LCR-Information-RL-SetupRqstTDD
 id-UL-DPCH-InformationItem-LCR-RL-AdditionRqstTDD
 id-UL-DPCH-InformationItem-LCR-RL-AdditionRqstTDD
 id-UL-DPCH-InformationList-LCR-RL-AdditionRqstTDD
 id-UL-DPCH-LCR-InformationAddList-RL-ReconfPrepTDD
 id-UL-DPCH-LCR-InformationModify-AddList-RL-ReconfPrepTDD
 id-UL-DPCH-LCR-InformationModify-PC-RqstTDD
 id-UL-DPCH-LCR-InformationAddList-RL-ReconfPrepTDD
 id-UL-DPCH-LCR-InformationModify-AddList
 id-UL-TimeSlotLCR-Information-RL-ReconfPrepTDD
 id-UL-SIRTarget
 id-PDSCH-AddInformation-LCR-PSCH-ReconfRqst
 id-PDSCH-AddInformation-LCR-AddList-PSCH-ReconfRqst
 id-PDSCH-Information-Cell-SetupRqstFDD
 id-PDSCH-Information-Cell-ReconfRqstFDD
 id-PDSCH-ModifyInformation-LCR-PSCH-ReconfRqst
 id-PDSCH-ModifyInformation-LCR-ModifyList-PSCH-ReconfRqst
 id-PUSCH-AddInformation-LCR-PSCH-ReconfRqst
 id-PUSCH-AddInformation-LCR-AddList-PSCH-ReconfRqst
 id-PUSCH-ModifyInformation-LCR-PSCH-ReconfRqst
 id-PUSCH-ModifyInformation-LCR-ModifyList-PSCH-ReconfRqst
 id-timeslotInfo-CellSyncInitiationRqstTDD
 id-SyncReportType-CellSyncReprtTDD
 id-Power-Local-Cell-Group-InformationItem-AuditRsp
 id-Power-Local-Cell-Group-InformationItem-ResourceStatusInd
 id-Power-Local-Cell-Group-InformationItem2-ResourceStatusInd
 id-Power-Local-Cell-Group-InformationList-AuditRsp
 ProtocolIE-ID ::= 78
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 ProtocolIE-ID ::= 501

id-Power-Local-Cell-Group-InformationList-ResourceStatusInd
 id-Power-Local-Cell-Group-InformationList2-ResourceStatusInd
 id-Power-Local-Cell-Group-ID
 id-PUSCH-Info-DM-Rgst
 id-PUSCH-Info-DM-Rsp
 id-PUSCH-Info-DM-Rprt
 id-InitDL-Power
 id-cellSyncBurstRepetitionPeriod
 id-ReportCharacteristicType-OnModification
 id-SFNsFNMeasurementValueInformation
 id-SFNsFNMeasurementThresholdInformation
 id-TUTRANGPMeasurementValueInformation
 id-TUTRANGPMeasurementThresholdInformation
 id-Rx-Timing-Deviation-Value-LCR
 id-RL-InformationResponse-LCR-RL-AdditionRspTDD
 id-DL-PowerBalancing-Information
 id-DL-PowerBalancing-ActivationIndicator
 id-DL-PowerBalancing-UpdatedIndicator
 id-CCTrCH-Initial-DL-Power-RL-SetupRgstTDD
 id-CCTrCH-Initial-DL-Power-RL-AdditionRgstTDD
 id-CCTrCH-Initial-DL-Power-RL-ReconfPrepTDD
 id-IPDLParameter-Information-LCR-Cell-SetupRgstTDD
 id-IPDLParameter-Information-LCR-Cell-ReconfRgstTDD
 id-HS-PDSCH-HS-SCCH-MaxPower-PSCH-ReconfRgst
 id-HS-PDSCH-HS-SCCH-ScramblingCode-PSCH-ReconfRgst
 id-HS-PDSCH-FDD-Code-Information-PSCH-ReconfRgst
 id-HS-SCCH-FDD-Code-Information-PSCH-ReconfRgst
 id-HS-PDSCH-TDD-Information-PSCH-ReconfRgst
 id-Add-To-HS-SCCH-Resource-Pool-PSCH-ReconfRgst
 id-Modify-HS-SCCH-Resource-Pool-PSCH-ReconfRgst
 id-Delete-From-HS-SCCH-Resource-Pool-PSCH-ReconfRgst
 id-bindingID
 id-RL-Specific-DCH-Info
 id-transportlayeraddress
 id-DelayedActivation
 id-DelayedActivationList-RL-ActivationCmdFDD
 id-DelayedActivationInformation-RL-ActivationCmdFDD
 id-DelayedActivationList-RL-ActivationCmdTDD
 id-DelayedActivationInformation-RL-ActivationCmdTDD
 id-neighbouringTDDCellMeasurementInformationLCR
 id-SYNCDLCodeId-TransInitLCR-CellSyncInitiationRgstTDD
 id-SYNCDLCodeId-MeasureInitLCR-CellSyncInitiationRgstTDD
 id-SYNCDLCodeIdTransReconfInfoLCR-CellSyncReconfRgstTDD
 id-SYNCDLCodeIdMeasReconfInfoLCR-CellSyncReconfRgstTDD
 id-SYNCDLCodeIdMeasInfoList-CellSyncReconfRgstTDD
 id-SyncDLCodeIdMeasInfoList-CellSyncReconfRgstTDD
 id-SyncDLCodeIdMeasInfoList-CellSyncReconfRgstTDD
 id-NSubCyclesPerCyclePeriod-CellSyncReconfRgstTDD
 id-DwFCH-Power
 id-AccumulatedClockupdate-CellSyncReprtTDD
 id-Angle-Of-Arrival-Value-LCR
 id-HSDSCH-FDD-Information
 id-HSDSCH-FDD-Information-Response

ProtocolIE-ID ::= 502
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id-HSDSCH-Information-to-Modify	ProtocolIE-ID ::= 534
id-HSDSCH-RNTI	ProtocolIE-ID ::= 535
id-HSDSCH-TDD-Information	ProtocolIE-ID ::= 536
id-HSDSCH-TDD-Information-Response	ProtocolIE-ID ::= 537
id-HSPDSCH-RL-ID	ProtocolIE-ID ::= 541
id-PrimCCFCH-RSCP-DL-PC-RqstTDD	ProtocolIE-ID ::= 542
id-Qth-Parameter	ProtocolIE-ID ::= 64
id-PDSCH-RL-ID	ProtocolIE-ID ::= 66
id-HSDSCH-RearrangeList-Bearer-RearrangeInd	ProtocolIE-ID ::= 553
id-UL-Synchronisation-Parameters-ICR	ProtocolIE-ID ::= 554
id-HSDSCH-FDD-Update-Information	ProtocolIE-ID ::= 555
id-HSDSCH-TDD-Update-Information	ProtocolIE-ID ::= 556
id-DL-DPCH-TimeslotFormat-LCR-ModifyItem-RL-ReconfPrepTDD	ProtocolIE-ID ::= 558
id-UL-DPCH-TimeslotFormat-LCR-ModifyItem-RL-ReconfPrepTDD	ProtocolIE-ID ::= 559
id-TDD-TPC-UplinkStepSize-LCR-RL-SetupRqstTDD	ProtocolIE-ID ::= 560
id-TDD-TPC-UplinkStepSize-LCR-RL-AdditionRqstTDD	ProtocolIE-ID ::= 561
id-TDD-TPC-DownlinkStepSize-RL-AdditionRqstTDD	ProtocolIE-ID ::= 562
id-TDD-TPC-UplinkStepSize-InformationAdd-LCR-RL-ReconfPrepTDD	ProtocolIE-ID ::= 563
id-TDD-TPC-UplinkStepSize-InformationModify-LCR-RL-ReconfPrepTDD	ProtocolIE-ID ::= 564
id-TDD-TPC-DownlinkStepSize-InformationModify-RL-ReconfPrepTDD	ProtocolIE-ID ::= 565
id-TDD-TPC-DownlinkStepSize-InformationAdd-RL-ReconfPrepTDD	ProtocolIE-ID ::= 566
id-CCTrCH-Maximum-DL-Power-RL-SetupRqstTDD	ProtocolIE-ID ::= 567
id-CCTrCH-Minimum-DL-Power-RL-SetupRqstTDD	ProtocolIE-ID ::= 568
id-CCTrCH-Maximum-DL-Power-RL-AdditionRqstTDD	ProtocolIE-ID ::= 569
id-CCTrCH-Minimum-DL-Power-RL-AdditionRqstTDD	ProtocolIE-ID ::= 570
id-CCTrCH-Maximum-DL-Power-InformationAdd-RL-ReconfPrepTDD	ProtocolIE-ID ::= 571
id-CCTrCH-Minimum-DL-Power-InformationAdd-RL-ReconfPrepTDD	ProtocolIE-ID ::= 572
id-CCTrCH-Maximum-DL-Power-InformationModify-RL-ReconfPrepTDD	ProtocolIE-ID ::= 573
id-CCTrCH-Minimum-DL-Power-InformationModify-RL-ReconfPrepTDD	ProtocolIE-ID ::= 574
id-Maximum-DL-Power-Modify-LCR-InformationModify-RL-ReconfPrepTDD	ProtocolIE-ID ::= 575
id-Minimum-DL-Power-Modify-LCR-InformationModify-RL-ReconfPrepTDD	ProtocolIE-ID ::= 576
id-DL-DPCH-LCR-InformationModify-ModifyList-RL-ReconfRqstTDD	ProtocolIE-ID ::= 577
id-CCTrCH-Maximum-DL-Power-InformationModify-RL-ReconfRqstTDD	ProtocolIE-ID ::= 578
id-CCTrCH-Minimum-DL-Power-InformationModify-RL-ReconfRqstTDD	ProtocolIE-ID ::= 579
id-Initial-DL-Power-TimeslotLCR-InformationItem	ProtocolIE-ID ::= 580
id-Maximum-DL-Power-TimeslotLCR-InformationItem	ProtocolIE-ID ::= 581
id-Minimum-DL-Power-TimeslotLCR-InformationItem	ProtocolIE-ID ::= 582
id-HS-DSCHProvidedBitRateValueInformation	ProtocolIE-ID ::= 583
id-HS-DSCHRequiredPowerValueInformation	ProtocolIE-ID ::= 585
id-HS-DSCHRequiredPowerValue	ProtocolIE-ID ::= 586
id-TransmittedCarrierPowerOfAllCodesNotUsedForHS-PDSCHOrHS-SCCHTransmission	ProtocolIE-ID ::= 587
id-HS-SICH-Reception-Quality	ProtocolIE-ID ::= 588
id-HS-SICH-Reception-Quality-Measurement-Value	ProtocolIE-ID ::= 589
id-HSSICH-Info-DW-Rprrt	ProtocolIE-ID ::= 590
id-HSSICH-Info-DW-Rqst	ProtocolIE-ID ::= 591
id-HSSICH-Info-DW-Rsp	ProtocolIE-ID ::= 592
id-Best-Cell-Portions-Value	ProtocolIE-ID ::= 593
id-Primary-CPICH-Usage-for-Channel-Estimation	ProtocolIE-ID ::= 594
id-Secondary-CPICH-Information-Change	ProtocolIE-ID ::= 595
id-NumberOfReportedCellPortions	ProtocolIE-ID ::= 596
id-CellPortion-InformationItem-Cell-SetupRqstFDD	ProtocolIE-ID ::= 597
id-CellPortion-InformationList-Cell-SetupRqstFDD	ProtocolIE-ID ::= 598
id-TimeslotISCP-LCR-InfoList-RL-ReconfPrepTDD	ProtocolIE-ID ::= 599

id-Secondary-CPICH-Information	ProtocolIE-ID ::= 600
id-Received-total-wide-band-power-For-CellPortion	ProtocolIE-ID ::= 601
id-Unidirectional-DCH-Indicator	ProtocolIE-ID ::= 602
id-TimingAdjustmentValueLCR	ProtocolIE-ID ::= 603
id-multipleRL-dl-DPCH-InformationList	ProtocolIE-ID ::= 604
id-multipleRL-dl-DPCH-InformationModifyList	ProtocolIE-ID ::= 605
id-multipleRL-ul-DPCH-InformationList	ProtocolIE-ID ::= 606
id-multipleRL-ul-DPCH-InformationModifyList	ProtocolIE-ID ::= 607
id-RL-ID	ProtocolIE-ID ::= 608
id-SAT-Info-Almanac-ExtItem	ProtocolIE-ID ::= 609
id-HSDPA-Capability	ProtocolIE-ID ::= 610
id-HSDSCH-Resources-Information-AuditRsp	ProtocolIE-ID ::= 611
id-HSDSCH-Resources-Information-ResourceStatusInd	ProtocolIE-ID ::= 612
id-HSDSCH-MACdFlows-to-Add	ProtocolIE-ID ::= 613
id-HSDSCH-MACdFlows-to-Delete	ProtocolIE-ID ::= 614
id-HSDSCH-Information-to-Modify-Unsyncronised	ProtocolIE-ID ::= 615
id-TalQos	ProtocolIE-ID ::= 616
id-Received-total-wide-band-power-For-CellPortion-Value	ProtocolIE-ID ::= 617
id-Transmitted-Carrier-Power-For-CellPortion	ProtocolIE-ID ::= 618
id-Transmitted-Carrier-Power-For-CellPortion-Value	ProtocolIE-ID ::= 619
id-TransmittedCarrierPowerOfAllCodesNotUsedForHS-PDSCHOrHS-SCCHTransmisionCellPortion	ProtocolIE-ID ::= 620
id-TransmittedCarrierPowerOfAllCodesNotUsedForHS-PDSCHOrHS-SCCHTransmisionCellPortionValue	ProtocolIE-ID ::= 621
id-UpPTSInterferenceValue	ProtocolIE-ID ::= 622
id-PrimaryCCPCH-RSCP-Delta	ProtocolIE-ID ::= 623
id-MeasurementRecoveryBehavior	ProtocolIE-ID ::= 624
id-MeasurementRecoveryReportingIndicator	ProtocolIE-ID ::= 625
id-MeasurementRecoverySupportIndicator	ProtocolIE-ID ::= 626
id-Tstd-Indicator	ProtocolIE-ID ::= 627
id-multiple-RL-Information-RL-ReconfPrepTDD	ProtocolIE-ID ::= 628
id-multiple-RL-Information-RL-ReconfRgstTDD	ProtocolIE-ID ::= 629
id-Additional-S-CCPCH-Parameters-CTCH-ReconfRgstTDD	ProtocolIE-ID ::= 633
id-Additional-S-CCPCH-Parameters-CTCH-SetupRgstTDD	ProtocolIE-ID ::= 634
id-Additional-S-CCPCH-LCR-Parameters-CTCH-ReconfRgstTDD	ProtocolIE-ID ::= 635
id-Additional-S-CCPCH-LCR-Parameters-CTCH-SetupRgstTDD	ProtocolIE-ID ::= 636
id-MTCH-CFN	ProtocolIE-ID ::= 637
id-MTCH-Information-AuditRsp	ProtocolIE-ID ::= 638
id-MTCH-Information-ResourceStatusInd	ProtocolIE-ID ::= 639
id-MTCH-Parameters-CTCH-ReconfRgstFDD	ProtocolIE-ID ::= 640
id-MTCH-Parameters-CTCH-ReconfRgstTDD	ProtocolIE-ID ::= 641
id-MTCH-Parameters-CTCH-SetupRgstFDD	ProtocolIE-ID ::= 642
id-MTCH-Parameters-CTCH-SetupRgstTDD	ProtocolIE-ID ::= 643
id-Modification-Period	ProtocolIE-ID ::= 644
id-NI-Information-NotifUpdateCmd	ProtocolIE-ID ::= 645
id-S-CCPCH-InformationListExt-AuditRsp	ProtocolIE-ID ::= 646
id-S-CCPCH-InformationListExt-ResourceStatusInd	ProtocolIE-ID ::= 647
id-S-CCPCH-LCR-InformationListExt-AuditRsp	ProtocolIE-ID ::= 648
id-S-CCPCH-LCR-InformationListExt-ResourceStatusInd	ProtocolIE-ID ::= 649
id-HARQ-Preamble-Mode	ProtocolIE-ID ::= 650
id-FDD-S-CCPCH-FrameOffset-CTCH-SetupRgstFDD	ProtocolIE-ID ::= 650

END