RP-020649

ж	25.423 CR 717	≭rev 1 ^ℋ	Current version: 5	.2.0 ^{**}					
For <u>HELP</u> on u	sing this form, see bottom of th	is page or look at th	ne pop-up text over the	e ¥ symbols.					
Proposed change a	affects: UICC apps೫	ME Radio A	Access Network X	Core Network					
Title: Ж	HS-SCCH power offset								
Source: ೫	NEC								
Work item code: Ж	HSDPA-lublur		Date:	02					
Category: ⊮	F Use <u>one</u> of the following categorie F (correction) A (corresponds to a correcti B (addition of feature), C (functional modification of D (editorial modification) Detailed explanations of the above be found in 3GPP <u>TR 21.900</u> .	on in an earlier releas feature)	Release: ¥ Rel-5 Use <u>one</u> of the follow 2 (GSM P Re) R96 (Release R97 (Release R98 (Release R99 (Release Rel-4 (Release Rel-5 (Release Rel-6 (Release	hase 2) e 1996) e 1997) e 1998) e 1999) e 4) e 5)					
Reason for change	E: # To support the initial sett SCCH Power Offset IE is In the RAN1 #25 meeting to the pilot field of DL DF power offset during confivalue range and resolution reflects this RAN1 decision on RNSAP.	s needed in RNSAF g, RAN1 decides th PCCH and it should iguration of HS-SCC on of HS-SCCH por	at HS-SCCH power o be also possible to ch CH. And in the RAN1# wer offset were agree	ffset is relative hange the #26 meeting, the d. This CR					
Summary of chang	- ASN.1 syntax error is	fset IE is introduced	removed). d in <i>HS-DSCH Inform</i>	ation To Modify					
Consequences if not approved:	 If the CR is not approved, incorrectly. <u>Impact Analysis:</u> Impact assessment towarelease): This CR has isolated imperational change is limited only to <u>Compatibility Analysis to</u> 	ards the previous ve pact with the previo the HSDPA functio	ersion of the specificat us version of the spec mality.	tion (same					

	compatible way.
Clauses affected:	₩ 8.3.1.2, 8.3.4.2, 9.2.1.30Q, 9.2.2.19a, new 9.2.2.x, 9.3.4
Other specs affected:	Y N X Other core specifications # CR742 TS 25.433 v5.1.0 X Test specifications # CR742 TS 25.433 v5.1.0 X O&M Specifications #
Other comments:	¥

This CR has no impact because the feature was introduced in backward

How to create CRs using this form:

Comprehensive information and tips about how to create CRs can be found at <u>http://www.3gpp.org/specs/CR.htm</u>. 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 <u>ftp://ftp.3gpp.org/specs/</u> For the latest version, look for the directory name with the latest date e.g. 2001-03 contains the specifications resulting from the March 2001 TSG meetings.
- 3) With "track changes" disabled, paste the entire CR form (use CTRL-A to select it) into the specification just in front of the clause containing the first piece of changed text. Delete those parts of the specification which are not relevant to the change request.

8.3.1 Radio Link Setup

8.3.1.1 General

This procedure is used for establishing the necessary resources in the DRNS for one or more radio links.

The connection-oriented service of the signalling bearer shall be established in conjunction with this procedure.

8.3.1.2 Successful Operation

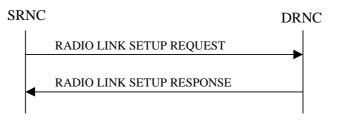


Figure 5: Radio Link Setup procedure: Successful Operation

When the SRNC makes an algorithmic decision to add the first cell or set of cells from a DRNS to the active set of a specific UE-UTRAN connection, the RADIO LINK SETUP REQUEST message is sent to the corresponding DRNC to request establishment of the radio link(s).

The DRNS shall prioritise resource allocation for the RL(s) to be established according to Annex A.

If the RADIO LINK SETUP REQUEST message includes the *Allowed Queuing Time* IE the DRNS may queue the request the time corresponding to the value of the *Allowed Queuing Time* IE before starting to execute the request.

If no *D-RNTI* IE was included in the RADIO LINK SETUP REQUEST message, the DRNC shall assign a new D-RNTI for this UE.

Transport Channels Handling:

DCH(s):

[TDD - If the *DCH Information* IE is present in RADIO LINK SETUP REQUEST message, the DRNS shall configure the new DCHs according to the parameters given in the message.]

If the RADIO LINK SETUP REQUEST message includes a *DCH Information* IE with multiple *DCH Specific Info* IEs then the DRNS shall treat the DCHs in the *DCH Information* IE as a set of co-ordinated DCHs.

[FDD - For DCHs which do not belong to a set of co-ordinated DCHs with the *QE-Selector* IE set to "selected", the Transport channel BER from that DCH shall be the base for the QE in the UL data frames. If no Transport channel BER is available for the selected DCH the Physical channel BER shall be used for the QE, ref. [4]. If the QE-Selector is set to "non-selected ", the Physical channel BER shall be used for the QE in the UL data frames, ref. [4].]

For a set of co-ordinated DCHs the Transport channel BER from the DCH with the *QE-Selector* IE set to "selected" shall be used for the QE in the UL data frames, ref. [4]. [FDD - If no Transport channel BER is available for the selected DCH the Physical channel BER shall be used for the QE, ref. [4]. If all DCHs have *QE-Selector* IE set to "non-selected" the Physical channel BER shall be used for the QE, ref. [4].]

The DRNS shall use the included *UL DCH FP Mode* IE for a DCH or a set of co-ordinated DCHs as the DCH FP Mode in the Uplink of the user plane for the DCH or the set of co-ordinated DCHs.

The DRNS shall use the included *ToAWS* IE for a DCH or a set of co-ordinated DCHs as the Time of Arrival Window Start Point in the user plane for the DCH or the set of co-ordinated DCHs.

The DRNS shall use the included *ToAWE* IE for a DCH or a set of co-ordinated DCHs as the Time of Arrival Window End Point in the user plane for the DCH or the set of co-ordinated DCHs.

The *Frame Handling Priority* IE defines the priority level that should be used by the DRNS to prioritise between different frames of the data frames of the DCHs in the downlink on the radio interface in congestion situations once the new RL(s) have been activated.

The *Traffic Class* IE should be used to determine the transport bearer characteristics to apply between DRNC and Node B for the related DCH or set of co-ordinated DCHs.

If the *DCH Specific Info* IE in the *DCH Information* IE includes the *Guaranteed Rate Information* IE, the DRNS shall treat the included IEs according to the following:

- If the *Guaranteed Rate Information* IE includes the *Guaranteed UL Rate* IE, the DRNS may decide to request the SRNC to limit the user rate of the uplink of the DCH at any point in time. The DRNS may request the SRNC to reduce the user rate of the uplink of the DCH below the guaranteed bit rate, however, whenever possible the DRNS should request the SRNC to reduce the user rate between the maximum bit rate and the guaranteed bit rate. If the *DCH Specific Info* IE in the *DCH Information* IE does not include the *Guaranteed UL Rate* IE, the DRNS shall not limit the user rate of the uplink of the DCH.
- If the *Guaranteed Rate Information* IE includes the *Guaranteed DL Rate* IE, the DRNS may decide to request the SRNC to limit the user rate of the downlink of the DCH at any point in time. The DRNS may request the SRNC to reduce the user rate of the downlink of the DCH below the guaranteed bit rate, however, whenever possible the DRNS should request the SRNC to reduce the user rate between the maximum bit rate and the guaranteed bit rate. If the *DCH Specific Info* IE in the *DCH Information* IE does not include the *Guaranteed DL Rate* IE, the DRNS shall not limit the user rate of the downlink of the DCH.

DSCH(s):

If the DSCH Information IE is included in the RADIO LINK SETUP REQUEST message, the DRNC shall establish the requested DSCHs [FDD - on the RL indicated by the PDSCH RL ID IE]. If the *Transport Layer* Address IE and Binding ID IE are included in the DSCH Information IE the DRNC may use the transport layer address and the binding identifier received from the SRNC when establishing a transport bearer for the DSCH. In addition, the DRNC shall send a valid set of DSCH Scheduling Priority IE and MAC-c/sh SDU Length IE parameters to the SRNC in the message RADIO LINK SETUP RESPONSE message. If the PDSCH RL ID IE indicates a radio link in the DRNS, then the DRNC shall allocate a DSCH-RNTI to the UE Context and include the DSCH-RNTI IE in the RADIO LINK SETUP RESPONSE message.

If the *DSCH Information* IE is included in the RADIO LINK SETUP REQUEST message, the DRNS may use the *Traffic Class* IE to determine the transport bearer characteristics to apply between DRNC and Node B for the related DSCHs.

[TDD - USCH(s)]:

[TDD – The DRNS shall use the list of RB Identities in the *RB Info* IE in the *USCH information* IE to map each *RB Identity* IE to the corresponding USCH. If the *Transport Layer Address* IE and *Binding ID* IE are included in the *USCH Information* IE the DRNC may use the transport layer address and the binding identifier received from the SRNC when establishing a transport bearer for the USCH.]

[TDD – If the USCH Information IE is included in the RADIO LINK SETUP REQUEST message, the DRNS may use the *Traffic Class* IE to determine the transport bearer characteristics to apply between DRNC and Node B for the related USCHs.]

HS-DSCH(s):

If the *HS-DSCH Information* IE is present, the DRNS shall establish the requested HS-DSCH resources on the RL indicated by the *HS-PDSCH RL ID* IE. In addition, if the *HS-PDSCH RL ID* IE indicates a radio link in the DRNS, then the DRNC shall allocate an HS-DSCH-RNTI to the UE Context and include the *HS-DSCH-RNTI* IE in the RADIO LINK SETUP RESPONSE message. The DRNS shall also include the *Binding ID* IE and *Transport Layer Address* IE for establishment of transport bearer(s) for the HS-DSCH MAC-d flows on this radio link.

[FDD – If the *HS-SCCH Power Offset* IE is included in the *HS-DSCH Information* IE, the DRNS may use this value to determine the HS-SCCH power. If there are multiple HS-SCCHs assigned for one UE then the same power offset is applied to each of the HS-SCCH channel.]

[FDD – The DRNS shall set the Measurement Feedback Reporting Cycle to a default value equal to the largest of the k1 and k2 values.]

UNCHANGED PARTS IS OMITTED

8.3.4 Synchronised Radio Link Reconfiguration Preparation

8.3.4.1 General

The Synchronised Radio Link Reconfiguration Preparation procedure is used to prepare a new configuration of Radio Link(s) related to one UE-UTRAN connection within a DRNS.

This procedure shall use the signalling bearer connection for the relevant UE context.

The Synchronised Radio Link Reconfiguration Preparation procedure shall not be initiated if a Prepared Reconfiguration exists, as defined in subclause 3.1.

8.3.4.2 Successful Operation

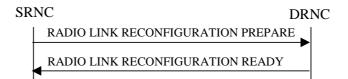


Figure 10: Synchronised Radio Link Reconfiguration Preparation procedure, Successful Operation

The Synchronised Radio Link Reconfiguration Preparation procedure is initiated by the SRNC by sending the RADIO LINK RECONFIGURATION PREPARE message to the DRNC.

Upon reception, the DRNS shall reserve necessary resources for the new configuration of the Radio Link(s) according to the parameters given in the message. Unless specified below, the meaning of parameters is specified in other specifications.

If the RADIO LINK RECONFIGURATION PREPARE message includes the *Allowed Queuing Time* IE the DRNS may queue the request the time corresponding to the value of the *Allowed Queuing Time* IE before starting to execute the request.

The DRNS shall prioritise resource allocation for the RL(s) to be modified according to Annex A.

DCH Modification:

If the RADIO LINK RECONFIGURATION PREPARE message includes any *DCHs to Modify* IEs then the DRNS shall treat them each as follows:

- If the *DCHs to Modify IE* includes multiple *DCH Specific Info* IEs then the DRNS shall treat the DCHs in the *DCHs to Modify* IE as a set of co-ordinated DCHs. The DRNS shall include these DCHs in the new configuration only if it can include all of them in the new configuration.
- If the *DCHs to Modify IE* includes the *UL FP Mode* IE for a DCH or a set of co-ordinated DCHs to be modified, the DRNS shall apply the new FP Mode in the Uplink of the user plane for the DCH or the set of co-ordinated DCHs in the new configuration.
- If the *DCHs to Modify IE* includes the *ToAWS* IE for a DCH or a set of co-ordinated DCHs to be modified, the DRNS shall apply the new ToAWS in the user plane for the DCH or the set of co-ordinated DCHs in the new configuration.
- If the *DCHs to Modify IE* includes the *ToAWE* IE for a DCH or a set of co-ordinated DCHs to be modified, the DRNS shall apply the new ToAWE in the user plane for the DCH or the set of co-ordinated DCHs in the new configuration.

- If the *DCH Specific Info* IE includes the *Frame Handling Priority* IE for a DCH to be modified, the DRNS should store this information for this DCH in the new configuration. The received Frame Handling Priority should be used when prioritising between different frames in the downlink on the radio interface in congestion situations within the DRNS once the new configuration has been activated.
- If the *DCH Specific Info* IE includes the *Traffic Class* IE for a DCH to be modified, the DRNS should store this information for this DCH in the new configuration. The *Traffic Class* IE should be used to determine the transport bearer characteristics to apply between DRNC and Node B for the related DCH or set of co-ordinated DCHs.
- If the *DCH Specific Info* IE includes the *Transport Format Set* IE for the UL of a DCH to be modified, the DRNS shall apply the new Transport Format Set in the Uplink of this DCH in the new configuration.
- If the *DCH Specific Info* IE includes the *Transport Format Set* IE for the DL of a DCH to be modified, the DRNS shall apply the new Transport Format Set in the Downlink of this DCH in the new configuration.
- [FDD If, in the *DCH Specific Info* IE, the *DRAC Control* IE is present and set to "requested" for at least one DCH and if the DRNS supports the DRAC, the DRNC shall indicate in the RADIO LINK RECONFIGURATION READY message the *Secondary CCPCH Info* IE for the FACH where the DRAC information is sent, for each Radio Link established in a cell where DRAC is active. If the DRNS does not support DRAC, DRNC shall not provide these IEs in the RADIO LINK RECONFIGURATION READY message.]
- [TDD If the *DCH Specific Info* IE includes the *CCTrCH ID* IE for the UL, the DRNS shall map the DCH onto the referenced UL CCTrCH.]
- [TDD If the *DCH Specific Info* IE includes the *CCTrCH ID* IE for the DL, the DRNS shall map the DCH onto the referenced DL CCTrCH.]
- If the *DCH Specific Info* IE includes the *Guaranteed Rate Information* IE, the DRNS shall treat the included IEs according to the following:
 - If the *Guaranteed Rate Information* IE includes the *Guaranteed UL Rate* IE, the DRNS shall apply the new Guaranteed Rate in the uplink of this DCH in the new configuration. The DRNS may decide to request the SRNC to limit the user rate in the uplink of the DCH at any point in time after activating the new configuration. The DRNS may request the SRNC to reduce the user rate of the uplink of the DCH below the guaranteed bit rate, however, whenever possible the DRNS should request the SRNC to reduce the user rate between the maximum bit rate and the guaranteed bit rate.
- If the *Guaranteed Rate Information* IE includes the *Guaranteed DL Rate* IE, the DRNS shall apply the new Guaranteed Rate in the downlink of this DCH in the new configuration. The DRNS may decide to request the SRNC to limit the user rate in the downlink of the DCH at any point in time after activating the new configuration. The DRNS may request the SRNC to reduce the user rate of the downlink of the DCH below the guaranteed bit rate, however, whenever possible the DRNS should request the SRNC to reduce the user rate between the maximum bit rate and the guaranteed bit rate.

DCH Addition:

If the RADIO LINK RECONFIGURATION PREPARE message includes any *DCHs to Add* IEs then the DRNS shall treat them each as follows:

- The DRNS shall reserve necessary resources for the new configuration of the Radio Link(s) according to the parameters given in the message and include these DCH in the new configuration.
- If the *DCHs to Add* IE includes a *DCHs to Add* IE with multiple *DCH Specific Info* IEs then the DRNS shall treat the DCHs in the *DCHs to Add* IE as a set of co-ordinated DCHs. The DRNS shall include these DCHs in the new configuration only if it can include all of them in the new configuration.
- [FDD For DCHs which do not belong to a set of co-ordinated DCHs with the *QE-Selector* IE set to "selected", the Transport channel BER from that DCH shall be the base for the QE in the UL data frames. If no Transport channel BER is available for the selected DCH the Physical channel BER shall be used for the QE, ref. [4]. If the QE-Selector is set to "non-selected", the Physical channel BER shall be used for the QE in the UL data frames, ref. [4].]

- [FDD For a set of co-ordinated DCHs the Transport channel BER from the DCH with the *QE-Selector* IE set to "selected" shall be used for the QE in the UL data frames, ref. [4]. [FDD If no Transport channel BER is available for the selected DCH the Physical channel BER shall be used for the QE, ref. [4]. If all DCHs have *QE-Selector* IE set to "non-selected" the Physical channel BER shall be used for the QE, ref. [4].]
- The DRNS should store the *Frame Handling Priority* IE received for a DCH to be added in the new configuration. The received Frame Handling Priority should be used when prioritising between different frames in the downlink on the radio interface in congestion situations within the DRNS once the new configuration has been activated.
- The DRNS should store the *Traffic Class* IE received for a DCH to be added in the new configuration. The *Traffic Class* IE should be used to determine the transport bearer characteristics to apply between DRNC and Node B for the related DCH or set of co-ordinated DCHs.
- The DRNS shall use the included *UL FP Mode* IE for a DCH or a set of co-ordinated DCHs to be added as the new FP Mode in the Uplink of the user plane for the DCH or the set of co-ordinated DCHs in the new configuration.
- The DRNS shall use the included *ToAWS* IE for a DCH or a set of co-ordinated DCHs to be added as the new Time of Arrival Window Start Point in the user plane for the DCH or the set of co-ordinated DCHs in the new configuration.
- The DRNS shall use the included *ToAWE* IE for a DCH or a set of co-ordinated DCHs to be added as the new Time of Arrival Window End Point in the user plane for the DCH or the set of co-ordinated DCHs in the new configuration.
- [TDD The DRNC shall include the *Secondary CCPCH Info TDD* IE in the RADIO LINK RECONFIGURATION READY message if at least one DSCH or USCH exists in the new configuration.]
- [FDD If the DRAC Control IE is set to "requested" in the DCH Specific Info IE for at least one DCH and if the DRNS supports the DRAC, the DRNC shall indicate in the RADIO LINK RECONFIGURATION READY message the Secondary CCPCH Info IE for the FACH where the DRAC information is sent, for each Radio Link supported by a cell where DRAC is active. If the DRNS does not support DRAC, the DRNC shall not provide these IEs in the RADIO LINK RECONFIGURATION READY message.]
- If the *DCH Specific Info* IE includes the *Guaranteed Rate Information* IE, the DRNS shall treat the included IEs according to the following:
 - If the *Guaranteed Rate Information* IE includes the *Guaranteed UL Rate* IE, the DRNS shall apply the new Guaranteed Rate in the uplink of this DCH in the new configuration. The DRNS may decide to request the SRNC to limit the user rate of the uplink of the DCH at any point in time after activating the new configuration. The DRNS may request the SRNC to reduce the user rate of the uplink of the DCH below the guaranteed bit rate, however, whenever possible the DRNS should request the SRNC to reduce the user rate between the maximum bit rate and the guaranteed bit rate. If the *DCH Specific Info* IE in the *DCH Information* IE does not include the *Guaranteed UL Rate* IE, the DRNS shall not limit the user rate of the downlink of the DCH.
- If the *Guaranteed Rate Information* IE includes the *Guaranteed DL Rate* IE, the DRNS shall apply the new Guaranteed Rate in the downlink of this DCH in the new configuration. The DRNS may decide to request the SRNC to limit the user rate of the downlink of the DCH at any point in time after activating the new configuration. The DRNS may request the SRNC to reduce the user rate of the uplink of the DCH below the guaranteed bit rate, however, whenever possible the DRNS should request the SRNC to reduce the user rate between the maximum bit rate and the guaranteed bit rate. If the *DCH Specific Info* IE in the *DCH Information* IE does not include the *Guaranteed DL Rate* IE, the DRNS shall not limit the user rate of the uplink of the DCH.

DCH Deletion:

If the RADIO LINK RECONFIGURATION PREPARE message includes any *DCH to Delete*, the DRNS shall not include the referenced DCHs in the new configuration.

If all of the DCHs belonging to a set of co-ordinated DCHs are requested to be deleted, the DRNS shall not include this set of co-ordinated DCHs in the new configuration.

Physical Channel Modification:

[FDD - If the RADIO LINK RECONFIGURATION PREPARE message includes an *UL DPCH Information* IE then the DRNS shall apply the parameters to the new configuration as follows:]

- [FDD If the *UL DPCH Information* IE includes the *Uplink Scrambling Code* IE, the DRNS shall apply this Uplink Scrambling Code to the new configuration.]
- [FDD If the *UL DPCH Information* IE includes the *Min UL Channelisation Code Length* IE, the DRNS shall apply the new Min UL Channelisation Code Length in the new configuration. The DRNS shall apply the contents of the *Max Number of UL DPDCHs* IE (if it is included) in the new configuration.]
- [FDD If the *UL DPCH Information* IE includes the *TFCS* IE, the DRNS shall use the *TFCS* IE for the UL when reserving resources for the uplink of the new configuration. The DRNS shall apply the new TFCS in the Uplink of the new configuration.]
- [FDD If the *UL DPCH Information* IE includes the *UL DPCCH Slot Format* IE, the DRNS shall apply the new Uplink DPCCH *Slot Format* to the new configuration.]
- [FDD If the *UL DPCH Information* IE includes the *UL SIR Target* IE, the DRNS shall set the UL inner loop power control to the UL SIR target when the new configuration is being used.]
- [FDD If the *UL DPCH Information* IE includes the *Puncture Limit* IE, the DRNS shall apply the value in the uplink of the new configuration.]
- [FDD If the *UL DPCH Information* IE includes the *Diversity Mode* IE, the DRNS shall apply diversity according to the given value.]
- [FDD If the *UL DPCH Information* IE includes an *SSDT Cell Identity Length* IE and/or an *S-Field Length* IE, the DRNS shall apply the values in the new configuration.]

[FDD - If the RADIO LINK RECONFIGURATION PREPARE message includes a *DL DPCH Information* IE then the DRNS shall apply the parameters to the new configuration as follows:]

- [FDD If the *DL DPCH Information* IE includes *Number of DL Channelisation Codes IE*, the DRNS shall allocate given number of Downlink Channelisation Codes per Radio Link and apply the new Downlink Channelisation Code(s) to the new configuration. Each Downlink Channelisation Code allocated for the new configuration shall be included as a FDD DL Channelisation Code Number IE in the RADIO LINK RECONFIGURATION READY message when sent to the SRNC. If some Transmission Gap Pattern sequences using 'SF/2' method are already initialised in the DRNS, DRNC shall include the *Transmission Gap Pattern Sequence Scrambling Code Information IE* in the RADIO LINK RECONFIGURATION READY message in case the DRNS selects to change the Scrambling code change method for one or more DL Channelisation Code.]
- [FDD When more than one DL DPDCH are assigned per RL, the segmented physical channel shall be mapped on to DL DPDCHs according to [8]. When *p* number of DL DPDCHs are assigned to each RL, the first pair of DL Scrambling Code and FDD DL Channelisation Code Number corresponds to "*PhCH number 1*", the second to "*PhCH number 2*", and so on until the *p*th to "*PhCH number p*".]
- [FDD If the *DL DPCH Information* IE includes the *TFCS* IE, the DRNS shall use the *TFCS* IE for the DL when reserving resources for the downlink of the new configuration. The DRNS shall apply the new TFCS in the Downlink of the new configuration.]
- [FDD If the *DL DPCH Information* IE includes the *DL DPCH Slot Format* IE, the DRNS shall apply the new slot format used in DPCH in DL.]
- [FDD If the *DL DPCH Information* IE includes the *TFCI Signalling Mode* IE, the DRNS shall apply the new signalling mode of the TFCI.]
- [FDD If the *DL DPCH Information* IE includes the *Multiplexing Position* IE, the DRNS shall apply the new parameter to define whether fixed or flexible positions of transport channels shall be used in the physical channel.]
- [FDD If the *DL DPCH Information* IE includes the *Limited Power Increase* IE and the IE is set to 'Used', the DRNS shall, if supported, use Limited Power Increase according to ref. [10] subclause 5.2.1 for the inner loop DL power control in the new configuration.]

- [FDD If the *DL DPCH Information* IE includes the *Limited Power Increase* IE and the IE is set to 'Not Used', the DRNS shall not use Limited Power Increase for the inner loop DL power control in the new configuration.]
 - [FDD If the RADIO LINK RECONFIGURATION PREPARE message does not include the *Length of TFCI2* IE and the *Split type* IE is present with the value "Hard", then the DRNS shall assume the length of the TFCI (field 2) is 5 bits.]
 - [FDD If the RADIO LINK RECONFIGURATION PREPARE message includes *Split Type IE*, then the DRNS shall apply this information to the new configuration of TFCI.]
- [FDD If the *DL DPCH Information* IE includes the *Length of TFCI2* IE, the DRNS shall apply this information to the length of TFCI(field 2) in the new configuration.]

[FDD – If the RADIO LINK RECONFIGURATION PREPARE message includes the *Transmission Gap Pattern Sequence Information* IE, the DRNS shall store the new information about the Transmission Gap Pattern Sequences to be used in the new Compressed Mode Configuration. This new Compressed Mode Configuration shall be valid in the DRNS until the next Compressed Mode Configuration is configured in the DRNS or last Radio Link is deleted.]

[FDD – If the RADIO LINK RECONFIGURATION PREPARE message includes the *Transmission Gap Pattern* Sequence Information IE and the Downlink Compressed Mode Method IE in one or more Transmission Gap Pattern Sequence within the *Transmission Gap Pattern Sequence Information* IE is set to 'SF/2', the DRNC shall include the *Transmission Gap Pattern Sequence Scrambling Code Information* IE to the RADIO LINK RECONFIGURATION READY message indicating for each Channelisation Code whether the alternative scrambling code shall be used or not].

[TDD - UL/DL CCTrCH Modification]

[TDD - If the RADIO LINK RECONFIGURATION PREPARE message includes any *UL CCTrCH to Modify* IEs or *DL CCTrCH to Modify* IEs, then the DRNS shall treat them each as follows:]

[TDD - If any of the *UL CCTrCH to Modify* IEs or *DL CCTrCH to Modify* IEs includes any of *TFCS* IE, *TFCI coding* IE, *Puncture limit* IE, or *TPC CCTrCH ID* IEs the DRNS shall apply these as the new values, otherwise the old values specified for this CCTrCH are still applicable.]

- [TDD The DRNC shall include in the RADIO LINK RECONFIGURATION READY message DPCH information to be modified and the IEs modified if any of *Repetition Period* IE, *Repetition Length* IE, *TDD DPCH Offset* IE or timeslot information was modified. The DRNC shall include timeslot information and the IEs modified if any of [3.84Mcps TDD Midamble Shift and Burst Type IE, Time Slot IE], [1.28Mcps TDD Midamble Shift LCR IE, Time Slot LCR IE], TFCI Presence IE or Code information was modified. The DRNC shall include code information if [3.84Mcps TDD TDD Channelisation Code IE] and/or [1.28Mcps TDD TDD Channelisation Code LCR IE] was modified.]
- [1.28Mcps TDD If the *UL CCTrCH to Modify* IE includes the *UL SIR Target* IE, the DRNS shall use the value for the UL inner loop power control according [12] and [22] when the new configuration is being used.]

[TDD – UL/DL CCTrCH Addition]

[TDD – If the RADIO LINK RECONFIGURATION PREPARE message includes any *UL CCTrCH to Add* IEs or *DL CCTrCH to Add* IEs, the DRNS shall include this CCTrCH in the new configuration.]

[TDD – If the DRNS has reserved the required resources for any requested DPCHs, the DRNC shall include the DPCH information within DPCH to be added in the RADIO LINK RECONFIGURATION READY message. [3.84Mcps TDD - If no DPCH was active before the reconfiguration, and if a valid Rx Timing Deviation measurement is known in DRNC, then the DRNC shall include the *Rx Timing Deviation* IE in the RADIO LINK RECONFIGURATION READY message.]]

[TDD – If the RADIO LINK RECONFIGURATION PREPARE message includes a *DL CCTrCH to Add* IE, the DRNS shall set the TPC step size of that CCTrCH to the same value as the lowest numbered DL CCTrCH in the current configuration.]

[1.28Mcps TDD – The DRNS shall use the *UL SIR Target* IE in the *UL CCTrCH to Add* IE as the UL SIR value for the inner loop power control for this CCTrCH according [12] and [22] in the new configuration.]

[TDD – UL/DL CCTrCH Deletion]

[TDD - If the RADIO LINK RECONFIGURATION PREPARE message includes any *UL CCTrCH to Delete* IEs or *DL CCTrCH to Delete* IEs, the DRNS shall remove this CCTrCH in the new configuration.]

SSDT Activation/Deactivation:

- [FDD If the *RL Information* IE includes the *SSDT Indication* IE set to "SSDT Active in the UE", the DRNS shall activate SSDT, if supported, using the *SSDT Cell Identity* IE in *RL Information* IE, and the *SSDT Cell Identity Length* IE in *UL DPCH Information* IE, in the new configuration.
- [FDD If the *RL Information* IE includes the *SSDT Indication* IE set to "SSDT not Active in the UE", the DRNS shall deactivate SSDT in the new configuration.]

DL Power Control:

- [FDD - If the *RL Information* IE includes the *DL Reference Power* IEs and power balancing is active, DRNS shall update the reference power of the power balancing in the indicated RL(s), if updating of power balancing parameters by the RADIO LINK RECONFIGURATION PREPARE message is supported, at the CFN in the RADIO LINK RECONFIGURATION COMMIT message, according to subclause 8.3.15, using the *DL Reference Power* IE. If the CFN modulo the value of the *Adjustment Period* IE is not equal to 0, the power balancing continues with the old reference power until the end of the current adjustment period, and the updated reference power shall be used from the next adjustment period.

[FDD - If updating of power balancing parameters by the RADIO LINK RECONFIGURATION PREPARE message is supported by the DRNS, the DRNC shall include the *DL Power Balancing Updated Indicator* IE in the *RL Information Response* IE in the RADIO LINK RECONFIGURATION READY message.]

DSCH Addition/Modification/Deletion:

If the RADIO LINK RECONFIGURATION PREPARE message includes any *DSCH to modify*, *DSCH to add* or *DSCH to delete IEs*, then the DRNS shall use this information to add/modify/delete the indicated DSCH channels to/from the radio link, in the same way as the DCH info is used to add/modify/release DCHs.

If the RADIO LINK RECONFIGURATION PREPARE message includes any *DSCH to Add* IE, then the DRNS shall use the *Allocation/Retention Priority* IE, *Scheduling Priority Indicator* IE and *TrCH Source Statistics Descriptor* IE to define a set of DSCH Priority classes each of which is associated with a set of supported MAC-c/sh SDU lengths.

If the RADIO LINK RECONFIGURATION PREPARE message includes any *DSCH to add* IE, then the DRNS may use the *Traffic Class* IE to determine the transport bearer characteristics to apply between DRNC and Node B for the related DSCHs.

[FDD - If the *DSCHs to Add* IE includes the *Enhanced DSCH PC* IE, the DRNS shall activate enhanced DSCH power control in accordance with ref. [10] subclause 5.2.2, if supported, using either:]

- [FDD the SSDT Cell Identity for EDSCHPC IE in the RL Information IE, if the SSDT Cell Identity IE is not included in the RL Information IE or]
- [FDD the SSDT Cell Identity IE in the RL Information IE, if both the SSDT Cell Identity IE and the SSDT Cell Identity for EDSCHPC are included in the RL Information IE.]

[FDD - together with the SSDT Cell Identity Length IE in UL DPCH Information IE, and Enhanced DSCH PC IE, in the new configuration.]

If the RADIO LINK RECONFIGURATION PREPARE message includes any *DSCH to Modify* IE, then the DRNS shall treat them each as follows:

- [FDD If the DSCH to Modify IE includes any DSCH Info IEs, then the DRNS shall treat them each as follows:]
 - [FDD If the *DSCH Info* IE includes any of the *Allocation/Retention Priority* IE, *Scheduling Priority Indicator* IE or *TrCH Source Statistics Descriptor* IE, the DNRS shall use them to update the set of DSCH Priority classes each of which is associated with a set of supported MAC-c/sh SDU lengths.]
 - [FDD If the *DSCH Info* IE includes any of the *Transport Format Set* IE or *BLER* IE, the DRNS shall apply the parameters to the new configuration.]
 - [FDD If the DSCH Info IE includes the *Traffic Class* IE, the DRNS may use this information to determine the transport bearer characteristics to apply between DRNC and Node B for the related DSCHs.]

- [FDD If the *DSCH to Modify* IE includes the *PDSCH RL ID* IE, then the DRNS shall use it as the new DSCH RL identifier.]
- [FDD If the indicated PDSCH RL ID is in the DRNS and there was no DSCH-RNTI allocated to the UE Context, the DRNC shall allocate a DSCH-RNTI to the UE Context and include the *DSCH-RNTI* IE in the RADIO LINK RECONFIGURATION READY message.]
- [FDD If the indicated PDSCH RL ID is in the DRNS and there was a DSCH-RNTI allocated to the UE Context, the DRNC shall allocate a new DSCH-RNTI to the UE Context, release the old DSCH-RNTI and include the *DSCH-RNTI* IE in the RADIO LINK RECONFIGURATION READY message.]
- [FDD If the indicated PDSCH RL ID is not in the DRNS and there was a DSCH-RNTI allocated to the UE Context, the DRNC shall release this DSCH-RNTI.]
- [FDD If the *DSCH to Modify* IE includes the *Transport Format Combination Set* IE, then the DRNS shall use it as the new Transport Format Combination Set associated with the DSCH.]
- [TDD If the *DSCHs to Modify* IE includes the *CCTrCH Id* IE, then the DRNS shall map the DSCH onto the referenced DL CCTrCH.]
- [TDD If the *DSCHs to Modify* IE includes any of the *Allocation/Retention Priority* IE, *Scheduling Priority Indicator* IE or *TrCH Source Statistics Descriptor* IE, the DNRS shall use them to update the set of DSCH Priority classes each of which is associated with a set of supported MAC-c/sh SDU lengths.]
- [TDD If the *DSCHs to Modify* IE includes any of the *Transport Format Set* IE or *BLER* IE, the DRNS shall apply the parameters to the new configuration.]
- [TDD If the *DSCHs to Modify* IE includes the *Traffic Class* IE, the DRNS may use this information to determine the transport bearer characteristics to apply between DRNC and Node B for the related DSCHs.]
- [TDD The DRNC shall include the *Secondary CCPCH Info TDD* IE in the RADIO LINK RECONFIGURATION READY message if a DSCH is added and at least one DCH exists in the new configuration. The DRNC shall also include the *Secondary CCPCH Info TDD* IE in the RADIO LINK RECONFIGURATION READY message if the SHCCH messages for this radio link will be transmitted over a different secondary CCPCH than selected by the UE from system information.]
- [FDD If the *DSCHs to Modify* IE includes the *Enhanced DSCH PC Indicator* IE set to "Enhanced DSCH PC Active in the UE ", the DRNS shall activate enhanced DSCH power control in accordance with ref. [10] subclause 5.2.2, if supported, using either:]
 - [FDD the SSDT Cell Identity for EDSCHPC IE in RL Information IE, if the SSDT Cell Identity IE is not included in the RL Information IE or]
 - [FDD the SSDT Cell Identity IE in the RL Information IE, if both the SSDT Cell Identity IE and the SSDT Cell Identity for EDSCHPC are included in the RL Information IE.]

[FDD - together with the SSDT Cell Identity Length IE in UL DPCH Information IE, and Enhanced DSCH PC IE, in the new configuration.]

- [FDD - If the *DSCHs to Modify* IE includes the *Enhanced DSCH PC Indicator* IE set to "Enhanced DSCH PC not Active in the UE", the DRNS shall deactivate enhanced DSCH power control in the new configuration.]

[FDD – If the RADIO LINK RECONFIGURATION PREPARE message includes a *DSCHs to Delete* IE requesting the deletion of all DSCH resources for the UE Context, then the DRNC shall release the DSCH-RNTI allocated to the UE Context, if there was one.]

If the requested modifications are allowed by the DRNS and the DRNS has successfully reserved the required resources for the new configuration of the Radio Link(s), it shall respond to the SRNC with the RADIO LINK RECONFIGURATION READY message.

[TDD] USCH Addition/Modification/Deletion

If the RADIO LINK RECONFIGURATION PREPARE message includes any USCH to modify, USCH to add or USCH to delete IEs, then the DRNS shall use this information to add/modify/delete the indicated USCH channels to/from the radio link, in the same way as the DCH info is used to add/modify/release DCHs.

If the RADIO LINK RECONFIGURATION PREPARE message includes any USCH to Add IE, then, the DRNS shall use the Allocation/Retention Priority IE, Scheduling Priority Indicator IE and TrCH Source Statistics Descriptor IE to define a set of USCH Priority classes each of which is associated with a set of supported MAC-c/sh SDU lengths.

If the RADIO LINK RECONFIGURATION PREPARE message includes any *USCH to add* IE, then the DRNS may use the *Traffic Class* IE to determine the transport bearer characteristics to apply between DRNC and Node B for the related USCHs.

If the RADIO LINK RECONFIGURATION PREPARE message includes any USCH to Modify IE, then the DRNS shall treat them each as follows:

- If the USCH to Modify IE includes any of the Allocation/Retention Priority IE, Scheduling Priority Indicator IE or TrCH Source Statistics Descriptor IE, the DNRS shall use them to update the set of USCH Priority classes.
- If the USCH to Modify IE includes any of the CCTrCH Id IE, Transport Format Set IE, BLER IE or RB Info IE, the DRNS shall apply the parameters to the new configuration.
- If the USCHs to Modify IE includes the *Traffic Class* IE, the DRNS may use this information to determine the transport bearer characteristics to apply between DRNC and Node B for the related USCHs.
- [TDD The DRNC shall include the *Secondary CCPCH Info TDD* IE in the RADIO LINK RECONFIGURATION READY message if a USCH is added and at least one DCH exists in the new configuration. The DRNC shall also include the *Secondary CCPCH Info TDD* IE in the RADIO LINK RECONFIGURATION READY message if the SHCCH messages for this radio link will be transmitted over a different secondary CCPCH than selected by the UE from system information.]

If the requested modifications are allowed by the DRNC and the DRNC has successfully reserved the required resources for the new configuration of the Radio Link(s), it shall respond to the SRNC with the RADIO LINK RECONFIGURATION READY message.

RL Information:

[FDD- If the *RL Information* IE includes the *DL DPCH Timing Adjustment* IE, the DRNS shall adjust the timing of the radio link accordingly in the new configuration.]

HS-DSCH Information Addition/Modification/Deletion:

If the RADIO LINK RECONFIGURATION PREPARE message includes any *HS-DSCH Information to modify*, *HS-DSCH Information to Add* or *HS-DSCH Information to Delete* IEs, then the DRNS shall use this information to add/modify/delete the indicated HS-DSCH resources to/from the radio link, in the same way as the DCH info is used to add/modify/release DCHs.

If the RADIO LINK RECONFIGURATION PREPARE message includes the HS-PDSCH RL ID IE, then:

- If the indicated HS-PDSCH RL ID is in the DRNS and there was no HS-DSCH-RNTI allocated to the UE Context, the DRNC shall allocate an HS-DSCH-RNTI to the UE Context and include the *HS-DSCH-RNTI* IE in the RADIO LINK RECONFIGURATION READY message.
- If the indicated HS-PDSCH RL ID is in the DRNS and there was an HS-DSCH-RNTI allocated to the UE Context, the DRNC shall allocate a new HS-DSCH-RNTI to the UE Context, release the old HS-DSCH-RNTI and include the *HS-DSCH-RNTI* IE in the RADIO LINK RECONFIGURATION READY message.
- If the indicated HS-PDSCH RL ID is not in the DRNS and there was an HS-DSCH-RNTI allocated to the UE Context, the DRNC shall release this HS-DSCH-RNTI.

[FDD – If the RADIO LINK RECONFIGURATION PREPARE message includes the *Measurement Reporting Cycle* IE in the *HS-DSCH Information To Modify* IE, then the DRNS shall use the indicated Measurement Feedback Reporting Cycle value in the new configuration.]

[FDD – If the *HS-SCCH Power Offset* IE is included in the *HS-DSCH Information To Add* IE or *HS-DSCH Information To Modify* IE, the DRNS may use this value to determine the HS-SCCH power. If there are multiple HS-SCCHs assigned for one UE then the same power offset is applied to each of the HS-SCCH channel.]

If the RADIO LINK RECONFIGURATION PREPARE message includes an *HS-DSCH Information to Delete* IE requesting the deletion of all HS-DSCH resources for the UE Context, then the DRNC shall release the HS-DSCH-RNTI allocated to the UE Context, if there was one.

9.2.1.30Q HS-DSCH Information To Modify

The HS-DSCH Information To Modify IE provides information for HS-DSCH to be modified.

IE/Group Name	Presence	Range	IE type and reference	Semantics description	Criticality	Assigned Criticality
HS-DSCH MAC-d Flow Specific Information		0 <maxno ofMACdFI ows></maxno 			-	
>HS-DSCH MAC-d Flow ID	Μ		9.2.1.300		-	
>BLER	0		9.2.1.4		-	
>Allocation/Retention Priority	0		9.2.1.1A		_	
>Priority Queue Information		0 <maxno ofPrioQue ues></maxno 			-	
>>Priority Queue ID	М		9.2.1.45A		_	
>>Scheduling Priority Indicator	0		9.2.1.51A		_	
>>MAC-d PDU Size Index		0 <maxno ofMACdP DUindexes ></maxno 			-	
>>>SID	М		9.2.1.52D		_	
>>>MAC-d PDU Size	0		9.2.1.34A		_	
>Transport Bearer Request Indicator	М		9.2.1.62A		_	
Measurement Reporting Cycle	0		ENUMERA TED(k1,k2)	For FDD only	-	
HS-SCCH Power Offset	<u>0</u>		<u>9.2.2.x</u>	For FDD only	=	

Range bound	Explanation
MaxnoofMACdFlows	Maximum number of MAC-d flows.
MaxnoofPrioQueues	Maximum number of Priority Queues.
MaxnoofMACdPDUindexes	Maximum number of MAC-d PDU Size Indexes
	(SIDs).

UNCHANGED PARTS IS OMITTED

9.2.2.19a HS-DSCH FDD Information

The HS-DSCH FDD Information IE provides information for HS-DSCH MAC-d flows to be established.

IE/Group Name	Presence	Range	IE type and reference	Semantics description	Criticality	Assigned Criticality
HS-DSCH MAC-d Flow		1 <maxno< td=""><td></td><td></td><td>_</td><td></td></maxno<>			_	
Specific Information		ofMACdFI				
		OWS>				
>HS-DSCH MAC-d Flow ID	М		9.2.1.30O		_	
>BLER	М		9.2.1.4		-	
>Allocation/Retention Priority	М		9.2.1.1A		_	
>Priority Queue Information		1 <maxno ofPrioQue ues></maxno 				
>>Priority Queue ID	М		9.2.1.45A			
>>Scheduling Priority Indicator	M		9.2.1.51A			
>>MAC-d PDU Size Index		1 <maxno ofMACdP DUindexes ></maxno 				
>>>SID	М	-	9.2.1.52D			
>>>MAC-d PDU Size	M		9.2.1.34A			
UE Capabilities information		1				
>HS-DSCH TrCh Bits per HS-DSCH TTI	М		ENUMERA TED (7300, 14600, 20456, 28800,)			
>HS-DSCH multi-code capability	М		ENUMERA TED (5, 10, 15,)			
>Min Inter-TTI Interval	М		INTEGER (13,)			
>MAC-hs reordering buffer size	М		INTEGÉR (1300,)	The total buffer size defined in UE capability minus the RLC AM buffer		
HARQ Information		1 <maxno ofHARQpr ocesses></maxno 			-	
>Process memory size	M		INTEGER (1172800,)	Number of soft channel bits per process.		
Measurement feedback offset	М		INTEGER (079,)			
HS-SCCH Power Offset	0		<u>9.2.2.x</u>		_	

Range bound	Explanation
MaxnoofMACdFlows	Maximum number of MAC-d flows.
MaxnoofPrioQueues	Maximum number of Priority Queues.
MaxnoofMACdPDUindexes	Maximum number of MAC-d PDU Size Indexes (SIDs).
MaxnoofHARQprocesses	Maximum number of HARQ processes.

UNCHANGED PARTS IS OMITTED

9.2.2.x HS-SCCH Power Offset

The HS-SCCH Power Offset IE indicates the Power offset relative to the pilot bits on the DL DPCCH.

IE/Group Name	Presence	<u>Range</u>	IE type and reference	Semantics description
HS-SCCH Power Offset			<u>INTEGER</u> (0255)	<u>Step 0.25 dB, range -32-</u> +31.75 dB

UNCHANGED PARTS IS OMITTED

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Information Element Definitions 9.3.4

-- Information Element Definitions

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

DEFINITIONS AUTOMATIC TAGS ::=

BEGIN

IMPORTS

maxNrOfLCRTDDNeighboursPerRNC, maxNrOfULTsLCR, maxNrOfGSMNeighboursPerRNC, maxNrOfFDDNeighboursPerRNC, maxNrOfMACcshSDU-Length, maxNrOfTDDNeighboursPerRNC, maxNrOfNeighbouringRNCs, maxFACHCountPlus1, maxCodeNumComp-1, maxNoCodeGroups, maxNrOfDCHs, maxNrOfDL-Codes, maxNoTFCIGroups, maxNrOfDPCHsLCR, maxRateMatching, maxNrOfDLTsLCR, maxNrOfSCCPCHs maxNrOfErrors, maxNrOfPoints, maxRNCinURA-1, maxNrOfDPCHs, maxNrOfFACHs, maxNoOfDSCHs, maxNoOfUSCHs, maxNrOfDLTs, maxNrOfULTs, maxNrOfTFCs, maxNrOfTFs, maxNrOfRLs, maxNoOfRB, maxNrOfTS, maxIBSEG, MAXCTFC,

maxTFCI1Combs, maxTFCI2Combs, maxTFCI2Combs-1, maxTFCI2Combs-1, maxTFI-Count, maxTFI-Count, maxNroGFSTYPes, maxNroGFSTYPes, maxNrofHARQFroc, maxNrofHARQFIows, maxNrofFDUIndexes, maxNrofFDUIndexes, maxNrofFPUIndexes, maxNrofFPUIndexes, maxNrofFPUIndexes, maxNrofFPUIndexes,

id-Received-Total-Wideband-Power-Value-IncrDecrThres, id-Cell-Capacity-Class-Value-ThresholdInformation, id-Transmitted-Carrier-Power-Value-IncrDecrThres, id-TUTRANGPSMeasurementThresholdInformation, id-NRT-Load-Information-Value-IncrDecrThres, id-Neighbouring-UMTS-CellInformationItem, id-SFNSFNMeasurementThresholdInformation, id-neighbouring-LCR-TDD-CellInformation, id-UL-Timeslot-ISCP-Value-IncrDecrThres, id-Received-Total-Wideband-Power-Value, id-Neighbouring-GSM-CellInformation, id-DPC-Mode-Change-SupportIndicator, id-Transmitted-Carrier-Power-Value, id-CellCapabilityContainer-TDD-LCR, id-CellCapabilityContainer-FDD, id-RT-Load-Value-IncrDecrThres, id-CellCapabilityContainer-TDD, id-Guaranteed-Rate-Information, id-NRT-Load-Information-Value, id-AntennaColocationIndicator, id-Cell-Capacity-Class-Value, id-Load-Value-IncrDecrThres, id-Allowed-Rate-Information, id-UL-Timeslot-ISCP-Value, id-CoverageIndicator, id-MessageStructure, maxNrOfPrioQueues-1, maxNrOfMeasNCell-1, id-OnModification, id-RT-Load-Value, maxNrOfMeasNCell, id-TrafficClass, id-Load-Value, maxNrOfLevels, id-BindingID, id-HCS-Prio,

id-RestrictionStateIndicator, id-Rx-Timing-Deviation-Value-LCR, id-TransportLayerAddress, id-EnhancedDSCHPC, FROM RNSAP-Constants id-TypeOfError

FROM RNSAP-CommonDataTypes TriggeringMessage ProtocolIE-ID, TransactionID, Criticality, ProcedureID,

ProtocolIE-Single-Container{}, ProtocolExtensionContainer{}, RNSAP-PROTOCOL-IES, RNSAP-PROTOCOL-EXTENSION FROM RNSAP-Containers;

<Parts of the ASN.1 module is omitted>

H --

OPTIONAL, OPTIONAL ProtocolExtensionContainer { { HARQ-FDD-InfoItem-ExtIEs } HARQ-FDD-Infolist ::= SEQUENCE (SIZE (1..maxNrOfHARQProc)) OF HARQ-FDD-Infoltem HARQ-TDD-InfoList ::= SEQUENCE (SIZE (1...maxNrOfHARQProc)) OF HARQ-TDD-InfoItem INTEGER (1..172800,...), HARQ-FDD-Infoltem-ExtIEs RNSAP-PROTOCOL-EXTENSION ::= { HARQ-FDD-InfoItem ::= SEQUENCE { HARQ-TDD-InfoItem ::= SEQUENCE { process-Memory-Size process-Memory-Size iE-Extensions iE-Extensions : :

INTEGER (1..168960,...),
ProtocolExtensionContainer { { HARQ-TDD-InfoItem-ExtIEs } } :

HARQ-TDD-InfoItem-ExtIEs RNSAP-PROTOCOL-EXTENSION ::= { :

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-- 0 = lowest priority, ...7 = highest priority ::= INTEGER (0..7) HCS-Prio

HSDSCH-FDD-Information-ExtIEs RNSAP-PROTOCOL-EXTENSION ::= {

:

hSDSCH-MACdFlow-Specific-InfoList-Response HSDSCH-FDD-Information-Response ::= SEQUENCE { measurement-Feedback-Reporting-Cycle-k1
measurement-Feedback-Reporting-Cycle-k2 hSSCCH-Specific-InfoList-Response iE-Extensions

Measurement-Feedback-Reporting-Cycle,
ProtocolExtensionContainer { { HSDSCH-FDD-Information-Response-ExtIEs } } HSDSCH-MACdFlow-Specific-InfoList-Response, HSSCCH-FDD-Specific-InfoList-Response, Measurement-Feedback-Reporting-Cycle,

OPTIONAL,

:

HSDSCH-FDD-Information-Response-ExtIEs RNSAP-PROTOCOL-EXTENSION ::= {

:

OPTIONAL, OPTIONAL, HSDSCH-MACdFlow-Specific-InfoList-to-Modify ENUMERATED {k1, k2} hSDSCH-MACdFlow-Specific-InfoList-to-Modify HSDSCH-Information-to-Modify ::= SEQUENCE { measurement-Reporting-Cycle -- Only for FDD

-- Only for FDD OPTIONAL, HSSCCH-PowerOffset OPTIONAL, --ProtocolExtensionContainer { { HSDSCH-Information-to-Modify-ExtIEs hsscch-PowerOffset iE-Extensions :

HSDSCH-Information-to-Modify-ExtIEs RNSAP-PROTOCOL-EXTENSION ::= {

:

HSDSCH-MACdFlow-ID ::= INTEGER (0..maxNrOfMACdFlows-1)

HSDSCH-MACdFlow-Specific-InfoList ::= SEQUENCE (SIZE (1..maxNrOfMACdFlows)) OF HSDSCH-MACdFlow-Specific-InfoItem

HSDSCH-MACdFlow-Specific-InfoItem ::= SEQUENCE {
 hSDSCH-MACdFlow-ID
 HSDSCH-MACdFlow-ID

	BLER,	AllocationRetentionPriority	Drioritronono_ThfoTiat
3GPP TS 25.423 v5.2.0 (2002-06)	DLER	allocationRetentionPriority	nri ori tronono - Trifo

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		tem-ExtIEs } } OPTIONAL,	
		ProtocolExtensionContainer { { HSDSCH-MACdFlow-Specific-InfoItem-ExtIEs	
AllocationRetentionPriority,	PriorityQueue-InfoList,	<pre>ProtocolExtensionContainer { {</pre>	
allocationRetentionPriority	priorityQueue-Info	iE-Extensions	

HSDSCH-MACdFlow-Specific-InfoItem-ExtIEs RNSAP-PROTOCOL-EXTENSION ::= {

:

HSDSCH-MACdFlow-Specific-InfoList-Response ::= SEQUENCE (SIZE (1..maxNrOfMACdFlows)) OF HSDSCH-MACdFlow-Specific-InfoItem-Response

				OPTIONAL,	
		OPTIONAL,	OPTIONAL,	<pre>ProtocolExtensionContainer { { HSDSCH-MACdFlow-Specific-InfoItem-Response-ExtIEs } }</pre>	
em-Response ::= SEQUENCE {	HSDSCH-MACdFlow-ID,	BindingID	TransportLayerAddress	ProtocolExtensionContainer {	
HSDSCH-MACdFlow-Specific-InfoItem-Response ::=	hSDSCH-MACdF1 ow-ID	bindingID	transportLayerAddress	iE-Extensions	

HSDSCH-MACdFlow-Specific-Infoltem-Response-ExtIEs RNSAP-PROTOCOL-EXTENSION ::= {

:

HSDSCH-MACdFlow-Specific-InfoList-to-Modify ::= SEQUENCE (SIZE (1..maxNrOfMACdFlows)) OF HSDSCH-MACdFlow-Specific-InfoItem-to-Modify

						OPTIONAL,	
		CPTIONAL,	OPTIONAL,	OPTIONAL,		<pre>.ensionContainer { { HSDSCH-MACdFlow-Specific-InfoItem-to-Modify-ExtIEs } }</pre>	
	, a	OP			puestIndicator,	<pre>container { { HSDSCH-MACd]</pre>	
<pre>to-Modify ::= SEQUENCE {</pre>	HSDSCH-MACdFlow-ID,	BLER	AllocationRetentionPriority	PriorityQueue-InfoList-to-Modify	r TransportBearerRequestIndicator,	ProtocolExtensionC	
HSDSCH-MACdFlow-Specific-InfoItem-to-Modify ::= SEQUENCE	hSDSCH-MACdFlow-ID	DLER	allocationRetentionPriority	priorityQueue-Info-to-Modify	transportBearerRequestIndicator	iE-Extensions	

HSDSCH-MACdFlow-Specific-InfoItem-to-Modify-ExtIEs RNSAP-PROTOCOL-EXTENSION ::= {

:

HSDSCH-RNTI ::= INTEGER (0..65535)

HSDSCH-TDD-Information ::= SEQUENCE { hSDSCH-MACdFlow-Specific-Info uE-Capabilities-InfoTDD hARQ-TDD-InfoList iE-Extensions

:

ProtocolExtensionContainer { { HSDSCH-TDD-Information-ExtIEs } } HSDSCH-MACdFlow-Specific-InfoList, UE-Capabilities-InfoTDD, HARQ-TDD-InfoList,

OPTIONAL,

HSDSCH-TDD-Information-ExtIEs RNSAP-PROTOCOL-EXTENSION ::= { }
<pre>HSDSCH-TDD-Information-Response ::= SEQUENCE { HSDSCH-TDD-Information-Response ::= SEQUENCE { HSDSCH-TDD-Specific-InfoList-Response HSDSCH-MACdFlow-Specific-InfoList-Response, NSSCH-TDD-Specific-InfoList-Response HSSCCH-TDD-Specific-InfoList-Response MSSCCH-TDD-Specific-InfoList-Response MSSCCH-TDD-InfoRmation-Response MSSCCH-TDD-Specific-InfoList-Response MSSCCH-TDD-InfoRmation-Response MSSCCH-TDD-Specific-InfoRmation-Response MSSCCH-TDD-InfoRmation-Response MSSCCH-TDD-InfoRmation-Response MSSCCH-TDD-Specific-InfoRmation-Response MSSCCH-TDD-InfoRmation-Response MSSCCH-TDD-Specific-InfoRmation-Response MSSCCH-TDD-InfoRmation-Response MSSCCH-TDD-Specific-InfoRmation-Response MSSCCH-TDD-InfoRmation-Response MSSCCH-TDD-Specific-InfoRmation-Response MSSCCH-TDD-Specific-InfoRmation-Response MSSCCH-TDD-Specific-InfoRmation-Response MSSCCH-TDD-Specific-InfoRmation-Response MSSCCH-TDD-InfoRmation-Response MSSCCH-TDD-Specific-InfoRmation-Response MSSCCH-TDD-Specific-InfoRmation-Response MSSCCH-TDD-Specific-InfoRmation-Response MSSCCH-TDD-Specific-InfoRmation-Response MSSCCH-TDD-Specific-InfoRmation-Response MSSCM MSSCM</pre>
HSDSCH-TDD-Information-Response-ExtIEs RNSAP-PROTOCOL-EXTENSION ::= { }
HSSCCH-FDD-Specific-InfoList-Response ::= SEQUENCE (SIZE (1maxNrOfHSSCCHCodes)) OF HSSCCH-FDD-Specific-InfoItem-Response
<pre>HSSCCH-FDD-Specific-InfoItem-Response ::= SEQUENCE {</pre>
HSSCCH-FDD-Specific-Infoltem-Response-ExtIEs RNSAP-PROTOCOL-EXTENSION ::= { }
HSSCCH-PowerOffset ::= INTEGER (0255) PowerOffset = -32 + offset * 0.25 Unit dB, Range -32dB +31.75dB, Step +0.25dB
HSSCCH-TDD-Specific-Infolist-Response ::= SEQUENCE (SIZE (1maxNrOfHSSCCHCodes)) OF HSSCCH-TDD-Specific-Infoltem-Response
<pre>HSSCCH-TDD-Specific-InfoItem-Response ::= SEQUENCE { timeslot timeslot midambleShiftAndBurstType midamble</pre>
HSSCCH-TDD-Specific-InfoItem-Response-ExtIEs RNSAP-PROTOCOL-EXTENSION ::= { }
HSSCCH-TDD-Specific-InfoList-Response-LCR ::= SEQUENCE (SIZE (1maxNrOfHSSCCHCodes)) OF HSSCCH-TDD-Specific-InfoItem-Response-LCR
HSSCCH-TDD-Specific-InfoItem-Response-LCR ::= SEQUENCE { timeslotLCR

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<pre>midambleShiftLCR tDD-ChannelisationCodeLCR hSSICH-InfoLCR iE-Extensions</pre>	<pre>MidambleShiftLCR, TDD-ChannelisationCodeLCR, HSSICH-InfoLCR, ProtocolExtensionContainer { { HSSCCH-TDD-Specific-InfoItem-Response-LCR-ExtIEs } } 00TIONAL,</pre>	IONAL,
{	, ,	
HSSCCH-TDD-Specific-InfoItem-Response-LCR-ExtIEs RNSAP- }	S RNSAP-PROTOCOL-EXTENSION ::= {	
HSSICH-Info ::= SEQUENCE { timeslot midambleShiftAndBurstType tDD-ChannelisationCode iE-Extensions	<pre>TimeSlot, MidambleShiftAndBurstType, TDD-ChannelisationCode, ProtocolExtensionContainer { { HSSICH-Info-ExtIEs } } 0PTIONAL,</pre>	
{		
HSSICH-Info-ExtIEs RNSAP-PROTOCOL-EXTENSION ::= }		
<pre>HSSICH-InfoLCR ::= SEQUENCE { timeslotLCR midambleShiftLCR tDD-ChannelisationCodeLCR iE-Extensions</pre>	<pre>TimeSlotLCR, MidambleShiftLCR, TDD-ChannelisationCodeLCR, ProtocolExtensionContainer { { HSSICH-Info-LCR-ExtIEs } } OPTIONAL,</pre>	
{		
HSSICH-Info-LCR-ExtIES RNSAP-PROTOCOL-EXTENSION }		
<pre><parts asn.1="" is="" module="" of="" omitted="" the=""></parts></pre>		