**3GPP TSG-RAN WG3 #107bis-e** [**R3-20**](file:///D%3A%5C3GPPmeeting%5C202004%20RAN3%20107bis-e%5CTSGR3_107bis_e%5CInbox%5CTSGR3_107bis_e%5CInbox%5CDrafts%5CCB%20%23%2088_TDD_pattern_NR-DC_pwr_ctrl%5CInbox%5CR3-202557.zip)**4057**

**1-12 June 2020 Online**

|  |
| --- |
| *CR-Form-v12.0* |
| **CHANGE REQUEST** |
|  |
|  | **38.463** | **CR** | **0501** | **rev** | **1** | **Current version:** | **15.6.0** |  |
|  |
| *For* [***HE******LP***](http://www.3gpp.org/3G_Specs/CRs.htm#_blank)*on using this form: comprehensive instructions can be found at* [*http://www.3gpp.org/Change-Requests*](http://www.3gpp.org/Change-Requests)*.* |
|  |

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| ***Proposed change affects:*** | UICC apps |  | ME |  | Radio Access Network | **X** | Core Network |  |

|  |
| --- |
|  |
| ***Title:***  | **R15 CR to 38.463 on introducing a PDCP Status Report indication in PDCP-Configuration** |
|  |  |
| ***Source to WG:*** | **RAN3** |
| ***Source to TSG:*** | **China Telecom** |
|  |  |
| ***Work item code:*** | **NR\_newRAT-Core** |  | ***Date:*** | **2020-05-15** |
|  |  |  |  |  |
| ***Category:*** | **F** |  | ***Release:*** | **Rel-15** |
|  | *Use one of the following categories:****F*** *(correction)****A*** *(mirror corresponding to a change in an earlier release)****B*** *(addition of feature),* ***C*** *(functional modification of feature)****D*** *(editorial modification)*Detailed explanations of the above categories canbe found in 3GPP [TR 21.900](http://www.3gpp.org/ftp/Specs/html-info/21900.htm). | *Use one of the following releases:Rel-8 (Release 8)Rel-9 (Release 9)Rel-10 (Release 10)Rel-11 (Release 11)Rel-12 (Release 12)**Rel-13 (Release 13)Rel-14 (Release 14)Rel-15 (Release 15)Rel-16 (Release 16)* |
|  |  |
| ***Reason for change:*** | According to TS38.300, PDCP Status report per DRB can be configured separately in downlink and uplink direction.. However, in TS38.463, the PDCP Status report related configuration information has not been included in PDCP-Config IE since Rel-15. Therefore, it is need to introduce a new IE in PDCP Configuration IE to indicate the downlink and uplink configuration of PDCP status report per DRB. |
|  |  |
| ***Summary of change:*** | Add a new IE PDCP status report indication into PDCP Configuration IE.Udapted the corresponding ASN.1Impact analysis:Impact assessment towards the previous version of the specification (same release):This CR has an isolated impact towards the previous version of the specification (same release). |
|  |  |
| ***Consequences if not approved:*** | It is not clear on gNB-CU-UP’s behaviour without PDCP status report configuration. |
|  |  |
| ***Clauses affected:*** | 9.3.1.38, 9.4.5 |
|  |  |
|  | **Y** | **N** |  |  |
| ***Other specs*** |  | **X** |  Other core specifications  | TS/TR ... CR ...  |
| ***affected:*** |  | **X** |  Test specifications | TS/TR ... CR ...  |
| ***(show related CRs)*** |  | **X** |  O&M Specifications | TS/TR ... CR ...  |
|  |  |
| ***Other comments:*** |  |
|  |  |
| ***This CR's revision history:*** |  |

////////////////////////////////////////////////////////////////////////start of change///////////////////////////////////////////////////////////////////////////

#### 9.3.1.38 PDCP Configuration

This IE carries the PDCP configuration.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **IE/Group Name** | **Presence** | **Range** | **IE type and reference** | **Semantics description** |
| PDCP SN UL Size | M |  | PDCP SN Size9.3.1.61 | Indicates the PDCP SN UL size in bits. For more information see *PDCP-Config IE* in TS 38.331 [10]. Is ignored if received through *DRB To Modify List* IE in the BEARER CONTEXT MODIFICATION REQUEST message. |
| PDCP SN DL Size | M |  | PDCP SN Size9.3.1.61 | Indicates the PDCP SN DL size in bits. For more information see *PDCP-Config IE* in TS 38.331 [10]. Is ignored if received through *DRB To Modify List* IE in the BEARER CONTEXT MODIFICATION REQUEST message. |
| RLC mode | M |  | ENUMERATED (RLC-TM, RLC-AM, RLC-UM-Bidirectional, RLC-UM-Unidirectional-UL, RLC-UM-Unidirectional-DL, …) | Indicates the RLC mode for the DRB. For more information see *PDCP-Config IE* in TS 38.331 [10]. Is ignored if received through *DRB To Modify List* IE in the BEARER CONTEXT MODIFICATION REQUEST message. |
| ROHC Parameters | O |  | 9.3.1.40 |  |
| T-Reordering Timer | O |  | 9.3.1.41 |  |
| Discard Timer | O |  | 9.3.1.42 |  |
| UL Data Split Threshold | O |  | 9.3.1.43 |  |
| PDCP Duplication  | O |  | ENUMERATED (True, …) | Indicates whether PDCP duplication is to be configured for the DRB. |
| PDCP Re-establishment | O |  | ENUMERATED (true,…) | Indicates PDCP entity re-establishment to be triggered as defined in TS 38.323 [17] |
| PDCP Data Recovery | O |  | ENUMERATED (true,…) | Indicates PDCP data recovery to be triggered as defined in TS 38.323 [17] |
| Duplication Activation | O |  | ENUMERATED (Active, Inactive, …)  | Information on the initial state of DL PDCP duplication |
| Out Of Order Delivery | O |  | ENUMERATED (true,…) | Indicates whether or not outOfOrderDelivery specified in TS 38.323 [17] is configured. Out of order delivery is configured only when the radio bearer is established. |
| PDCP Status Report Indication | O |  | ENUMERATED (downlink,uplink,both,…) | For AM DRBs, “downlink” indlicates the DRB is configured to send PDCP status report in downlink direction ,”uplink” indicates the DRB is configured to receive the PDCP status report,and “both” indicates the DRB is configured to receive the status report in uplink direction and send PDCP status report in downlink direction ,as specified in TS 38.323 [17] |

////////////////////////////////////////////////////////////////////////skip unchanged///////////////////////////////////////////////////////////////////////////

-- P

PacketDelayBudget ::= INTEGER (0..1023, ...)

PacketErrorRate ::= SEQUENCE {

 pER-Scalar PER-Scalar,

 pER-Exponent PER-Exponent,

 iE-Extensions ProtocolExtensionContainer { {PacketErrorRate-ExtIEs} } OPTIONAL,

 ...

}

PacketErrorRate-ExtIEs E1AP-PROTOCOL-EXTENSION ::= {

 ...

}

PER-Scalar ::= INTEGER (0..9, ...)

PER-Exponent ::= INTEGER (0..9, ...)

PDCP-Configuration ::= SEQUENCE {

 pDCP-SN-Size-UL PDCP-SN-Size,

 pDCP-SN-Size-DL PDCP-SN-Size,

 rLC-Mode RLC-Mode,

 rOHC-Parameters ROHC-Parameters OPTIONAL,

 t-ReorderingTimer T-ReorderingTimer OPTIONAL,

 discardTimer DiscardTimer OPTIONAL,

 uLDataSplitThreshold ULDataSplitThreshold OPTIONAL,

 pDCP-Duplication PDCP-Duplication OPTIONAL,

 pDCP-Reestablishment PDCP-Reestablishment OPTIONAL,

 pDCP-DataRecovery PDCP-DataRecovery OPTIONAL,

 duplication-Activation Duplication-Activation OPTIONAL,

 outOfOrderDelivery OutOfOrderDelivery OPTIONAL,

 iE-Extensions ProtocolExtensionContainer { { PDCP-Configuration-ExtIEs } } OPTIONAL,

 ...

}

PDCP-Configuration-ExtIEs E1AP-PROTOCOL-EXTENSION ::= {

 {PDCP-StatusReportIndication PDCP-StatusReportIndication OPTIONAL},

 ...

}

PDCP-Count ::= SEQUENCE {

 pDCP-SN PDCP-SN,

 hFN HFN,

 iE-Extensions ProtocolExtensionContainer { { PDCP-Count-ExtIEs } } OPTIONAL,

 ...

}

PDCP-Count-ExtIEs E1AP-PROTOCOL-EXTENSION ::= {

 ...

}

PDCP-SN-Status-Request ::= ENUMERATED {

 requested,

 ...

}

PDCP-DataRecovery ::= ENUMERATED {

 true,

 ...

}

PDCP-Duplication ::= ENUMERATED {

 true,

 ...

}

PDCP-Reestablishment ::= ENUMERATED {

 true,

 ...

}

PDU-Session-Resource-Data-Usage-List ::= SEQUENCE (SIZE(1.. maxnoofPDUSessionResource)) OF PDU-Session-Resource-Data-Usage-Item

PDU-Session-Resource-Data-Usage-Item ::= SEQUENCE {

 pDU-Session-ID PDU-Session-ID,

 mRDC-Usage-Information MRDC-Usage-Information,

 iE-Extensions ProtocolExtensionContainer { { PDU-Session-Resource-Data-Usage-Item-ExtIEs } } OPTIONAL,

 ...

}

PDU-Session-Resource-Data-Usage-Item-ExtIEs E1AP-PROTOCOL-EXTENSION ::= {

 ...

}

PDCP-SN ::= INTEGER (0..262143)

PDCP-SN-Size ::= ENUMERATED {

 s-12,

 s-18,

 ...

}

PDCP-SN-Status-Information ::= SEQUENCE {

 pdcpStatusTransfer-UL DRBBStatusTransfer,

 pdcpStatusTransfer-DL PDCP-Count,

 iE-Extension ProtocolExtensionContainer { {DRBsSubjectToStatusTransfer-Item-ExtIEs} } OPTIONAL,

 ...

}

DRBsSubjectToStatusTransfer-Item-ExtIEs E1AP-PROTOCOL-EXTENSION ::= {

 ...

}

DRBBStatusTransfer ::= SEQUENCE {

 receiveStatusofPDCPSDU BIT STRING (SIZE(1..131072)) OPTIONAL,

 countValue PDCP-Count,

 iE-Extension ProtocolExtensionContainer { {DRBBStatusTransfer-ExtIEs} } OPTIONAL,

 ...

}

DRBBStatusTransfer-ExtIEs E1AP-PROTOCOL-EXTENSION ::= {

 ...

}

PDU-Session-ID ::= INTEGER (0..255)

PDU-Session-Resource-Activity ::= ENUMERATED {

 active,

 not-active,

 ...

}

PDU-Session-Resource-Activity-List ::= SEQUENCE (SIZE(1.. maxnoofPDUSessionResource)) OF PDU-Session-Resource-Activity-Item

PDU-Session-Resource-Activity-Item ::= SEQUENCE {

 pDU-Session-ID PDU-Session-ID,

 pDU-Session-Resource-Activity PDU-Session-Resource-Activity,

 iE-Extensions ProtocolExtensionContainer { { PDU-Session-Resource-Activity-ItemExtIEs } } OPTIONAL,

 ...

}

PDU-Session-Resource-Activity-ItemExtIEs E1AP-PROTOCOL-EXTENSION ::= {

 ...

}

PDU-Session-Resource-Confirm-Modified-List ::= SEQUENCE (SIZE(1.. maxnoofPDUSessionResource)) OF PDU-Session-Resource-Confirm-Modified-Item

PDU-Session-Resource-Confirm-Modified-Item ::= SEQUENCE {

 pDU-Session-ID PDU-Session-ID,

 dRB-Confirm-Modified-List-NG-RAN DRB-Confirm-Modified-List-NG-RAN OPTIONAL,

 iE-Extensions ProtocolExtensionContainer { { PDU-Session-Resource-Confirm-Modified-Item-ExtIEs } } OPTIONAL,

 ...

}

PDU-Session-Resource-Confirm-Modified-Item-ExtIEs E1AP-PROTOCOL-EXTENSION ::= {

 ...

}

PDU-Session-Resource-Failed-List ::= SEQUENCE (SIZE(1.. maxnoofPDUSessionResource)) OF PDU-Session-Resource-Failed-Item

PDU-Session-Resource-Failed-Item ::= SEQUENCE {

 pDU-Session-ID PDU-Session-ID,

 cause Cause,

 iE-Extensions ProtocolExtensionContainer { { PDU-Session-Resource-Failed-Item-ExtIEs } } OPTIONAL,

 ...

}

PDU-Session-Resource-Failed-Item-ExtIEs E1AP-PROTOCOL-EXTENSION ::= {

 ...

}

PDU-Session-Resource-Failed-Mod-List ::= SEQUENCE (SIZE(1.. maxnoofPDUSessionResource)) OF PDU-Session-Resource-Failed-Mod-Item

PDU-Session-Resource-Failed-Mod-Item ::= SEQUENCE {

 pDU-Session-ID PDU-Session-ID,

 cause Cause,

 iE-Extensions ProtocolExtensionContainer { { PDU-Session-Resource-Failed-Mod-Item-ExtIEs } } OPTIONAL,

 ...

}

PDU-Session-Resource-Failed-Mod-Item-ExtIEs E1AP-PROTOCOL-EXTENSION ::= {

 ...

}

PDU-Session-Resource-Failed-To-Modify-List ::= SEQUENCE (SIZE(1.. maxnoofPDUSessionResource)) OF PDU-Session-Resource-Failed-To-Modify-Item

PDU-Session-Resource-Failed-To-Modify-Item ::= SEQUENCE {

 pDU-Session-ID PDU-Session-ID,

 cause Cause,

 iE-Extensions ProtocolExtensionContainer { { PDU-Session-Resource-Failed-To-Modify-Item-ExtIEs } } OPTIONAL,

 ...

}

PDU-Session-Resource-Failed-To-Modify-Item-ExtIEs E1AP-PROTOCOL-EXTENSION ::= {

 ...

}

PDU-Session-Resource-Modified-List ::= SEQUENCE (SIZE(1.. maxnoofPDUSessionResource)) OF PDU-Session-Resource-Modified-Item

PDU-Session-Resource-Modified-Item ::= SEQUENCE {

 pDU-Session-ID PDU-Session-ID,

 nG-DL-UP-TNL-Information UP-TNL-Information OPTIONAL,

 securityResult SecurityResult OPTIONAL,

 pDU-Session-Data-Forwarding-Information-Response Data-Forwarding-Information OPTIONAL,

 dRB-Setup-List-NG-RAN DRB-Setup-List-NG-RAN OPTIONAL,

 dRB-Failed-List-NG-RAN DRB-Failed-List-NG-RAN OPTIONAL,

 dRB-Modified-List-NG-RAN DRB-Modified-List-NG-RAN OPTIONAL,

 dRB-Failed-To-Modify-List-NG-RAN DRB-Failed-To-Modify-List-NG-RAN OPTIONAL,

 iE-Extensions ProtocolExtensionContainer { { PDU-Session-Resource-Modified-Item-ExtIEs } } OPTIONAL,

 ...

}

PDU-Session-Resource-Modified-Item-ExtIEs E1AP-PROTOCOL-EXTENSION ::= {

 ...

}

PDU-Session-Resource-Required-To-Modify-List ::= SEQUENCE (SIZE(1.. maxnoofPDUSessionResource)) OF PDU-Session-Resource-Required-To-Modify-Item

PDU-Session-Resource-Required-To-Modify-Item ::= SEQUENCE {

 pDU-Session-ID PDU-Session-ID,

 nG-DL-UP-TNL-Information UP-TNL-Information OPTIONAL,

 dRB-Required-To-Modify-List-NG-RAN DRB-Required-To-Modify-List-NG-RAN OPTIONAL,

 dRB-Required-To-Remove-List-NG-RAN DRB-Required-To-Remove-List-NG-RAN OPTIONAL,

 iE-Extensions ProtocolExtensionContainer { { PDU-Session-Resource-Required-To-Modify-Item-ExtIEs } } OPTIONAL,

 ...

}

PDU-Session-Resource-Required-To-Modify-Item-ExtIEs E1AP-PROTOCOL-EXTENSION ::= {

 ...

}

PDU-Session-Resource-Setup-List ::= SEQUENCE (SIZE(1.. maxnoofPDUSessionResource)) OF PDU-Session-Resource-Setup-Item

PDU-Session-Resource-Setup-Item ::= SEQUENCE {

 pDU-Session-ID PDU-Session-ID,

 securityResult SecurityResult OPTIONAL,

 nG-DL-UP-TNL-Information UP-TNL-Information,

 pDU-Session-Data-Forwarding-Information-Response Data-Forwarding-Information OPTIONAL,

 nG-DL-UP-Unchanged ENUMERATED {true, ...} OPTIONAL,

 dRB-Setup-List-NG-RAN DRB-Setup-List-NG-RAN,

 dRB-Failed-List-NG-RAN DRB-Failed-List-NG-RAN OPTIONAL,

 iE-Extensions ProtocolExtensionContainer { { PDU-Session-Resource-Setup-Item-ExtIEs } } OPTIONAL,

 ...

}

PDU-Session-Resource-Setup-Item-ExtIEs E1AP-PROTOCOL-EXTENSION ::= {

 ...

}

PDU-Session-Resource-Setup-Mod-List ::= SEQUENCE (SIZE(1.. maxnoofPDUSessionResource)) OF PDU-Session-Resource-Setup-Mod-Item

PDU-Session-Resource-Setup-Mod-Item ::= SEQUENCE {

 pDU-Session-ID PDU-Session-ID,

 securityResult SecurityResult OPTIONAL,

 nG-DL-UP-TNL-Information UP-TNL-Information,

 pDU-Session-Data-Forwarding-Information-Response Data-Forwarding-Information OPTIONAL,

 dRB-Setup-Mod-List-NG-RAN DRB-Setup-Mod-List-NG-RAN,

 dRB-Failed-Mod-List-NG-RAN DRB-Failed-Mod-List-NG-RAN OPTIONAL,

 iE-Extensions ProtocolExtensionContainer { { PDU-Session-Resource-Setup-Mod-Item-ExtIEs } } OPTIONAL,

 ...

}

PDU-Session-Resource-Setup-Mod-Item-ExtIEs E1AP-PROTOCOL-EXTENSION ::= {

 ...

}

PDU-Session-Resource-To-Modify-List ::= SEQUENCE (SIZE(1.. maxnoofPDUSessionResource)) OF PDU-Session-Resource-To-Modify-Item

PDU-Session-Resource-To-Modify-Item ::= SEQUENCE {

 pDU-Session-ID PDU-Session-ID,

 securityIndication SecurityIndication OPTIONAL,

 pDU-Session-Resource-DL-AMBR BitRate OPTIONAL,

 nG-UL-UP-TNL-Information UP-TNL-Information OPTIONAL,

 pDU-Session-Data-Forwarding-Information-Request Data-Forwarding-Information-Request OPTIONAL,

 pDU-Session-Data-Forwarding-Information Data-Forwarding-Information OPTIONAL,

 pDU-Session-Inactivity-Timer Inactivity-Timer OPTIONAL,

 networkInstance NetworkInstance OPTIONAL,

 dRB-To-Setup-List-NG-RAN DRB-To-Setup-List-NG-RAN OPTIONAL,

 dRB-To-Modify-List-NG-RAN DRB-To-Modify-List-NG-RAN OPTIONAL,

 dRB-To-Remove-List-NG-RAN DRB-To-Remove-List-NG-RAN OPTIONAL,

 iE-Extensions ProtocolExtensionContainer { { PDU-Session-Resource-To-Modify-Item-ExtIEs } } OPTIONAL,

 ...

}

PDU-Session-Resource-To-Modify-Item-ExtIEs E1AP-PROTOCOL-EXTENSION ::= {

 {ID id-SNSSAI CRITICALITY reject EXTENSION SNSSAI PRESENCE optional}|

 { ID id-CommonNetworkInstance CRITICALITY ignore EXTENSION CommonNetworkInstance PRESENCE optional },

 ...

}

PDU-Session-Resource-To-Remove-List ::= SEQUENCE (SIZE(1.. maxnoofPDUSessionResource)) OF PDU-Session-Resource-To-Remove-Item

PDU-Session-Resource-To-Remove-Item ::= SEQUENCE {

 pDU-Session-ID PDU-Session-ID,

 iE-Extensions ProtocolExtensionContainer { { PDU-Session-Resource-To-Remove-Item-ExtIEs } } OPTIONAL,

 ...

}

PDU-Session-Resource-To-Remove-Item-ExtIEs E1AP-PROTOCOL-EXTENSION ::= {

 {ID id-Cause CRITICALITY ignore EXTENSION Cause PRESENCE optional},

 ...

}

PDU-Session-Resource-To-Setup-List ::= SEQUENCE (SIZE(1.. maxnoofPDUSessionResource)) OF PDU-Session-Resource-To-Setup-Item

PDU-Session-Resource-To-Setup-Item ::= SEQUENCE {

 pDU-Session-ID PDU-Session-ID,

 pDU-Session-Type PDU-Session-Type,

 sNSSAI SNSSAI,

 securityIndication SecurityIndication,

 pDU-Session-Resource-DL-AMBR BitRate OPTIONAL,

 nG-UL-UP-TNL-Information UP-TNL-Information,

 pDU-Session-Data-Forwarding-Information-Request Data-Forwarding-Information-Request OPTIONAL,

 pDU-Session-Inactivity-Timer Inactivity-Timer OPTIONAL,

 existing-Allocated-NG-DL-UP-TNL-Info UP-TNL-Information OPTIONAL,

 networkInstance NetworkInstance OPTIONAL,

 dRB-To-Setup-List-NG-RAN DRB-To-Setup-List-NG-RAN,

 iE-Extensions ProtocolExtensionContainer { { PDU-Session-Resource-To-Setup-Item-ExtIEs } } OPTIONAL,

 ...

}

PDU-Session-Resource-To-Setup-Item-ExtIEs E1AP-PROTOCOL-EXTENSION ::= {

 { ID id-CommonNetworkInstance CRITICALITY ignore EXTENSION CommonNetworkInstance PRESENCE optional },

 ...

}

PDU-Session-Resource-To-Setup-Mod-List ::= SEQUENCE (SIZE(1.. maxnoofPDUSessionResource)) OF PDU-Session-Resource-To-Setup-Mod-Item

PDU-Session-Resource-To-Setup-Mod-Item ::= SEQUENCE {

 pDU-Session-ID PDU-Session-ID,

 pDU-Session-Type PDU-Session-Type,

 sNSSAI SNSSAI,

 securityIndication SecurityIndication,

 pDU-Session-Resource-AMBR BitRate OPTIONAL,

 nG-UL-UP-TNL-Information UP-TNL-Information,

 pDU-Session-Data-Forwarding-Information-Request Data-Forwarding-Information-Request OPTIONAL,

 pDU-Session-Inactivity-Timer Inactivity-Timer OPTIONAL,

 dRB-To-Setup-Mod-List-NG-RAN DRB-To-Setup-Mod-List-NG-RAN,

 iE-Extensions ProtocolExtensionContainer { { PDU-Session-Resource-To-Setup-Mod-Item-ExtIEs } } OPTIONAL,

 ...

}

PDU-Session-Resource-To-Setup-Mod-Item-ExtIEs E1AP-PROTOCOL-EXTENSION ::= {

 {ID id-NetworkInstance CRITICALITY ignore EXTENSION NetworkInstance PRESENCE optional}|

 {ID id-CommonNetworkInstance CRITICALITY ignore EXTENSION CommonNetworkInstance PRESENCE optional},

 ...

}

PDU-Session-To-Notify-List ::= SEQUENCE (SIZE(1.. maxnoofPDUSessionResource)) OF PDU-Session-To-Notify-Item

PDU-Session-To-Notify-Item ::= SEQUENCE {

 pDU-Session-ID PDU-Session-ID,

 qoS-Flow-List QoS-Flow-List,

 iE-Extensions ProtocolExtensionContainer { { PDU-Session-To-Notify-Item-ExtIEs } } OPTIONAL,

 ...

}

PDU-Session-To-Notify-Item-ExtIEs E1AP-PROTOCOL-EXTENSION ::= {

 ...

}

PDU-Session-Type ::= ENUMERATED {

 ipv4,

 ipv6,

 ipv4v6,

 ethernet,

 unstructured,

 ...

}

PLMN-Identity ::= OCTET STRING (SIZE(3))

PortNumber ::= BIT STRING (SIZE(16))

PPI ::= INTEGER (0..7, ...)

PriorityLevel ::= INTEGER { spare (0), highest (1), lowest (14), no-priority (15) } (0..15)

Pre-emptionCapability ::= ENUMERATED {

 shall-not-trigger-pre-emption,

 may-trigger-pre-emption

}

Pre-emptionVulnerability ::= ENUMERATED {

 not-pre-emptable,

 pre-emptable

}

PDCP- StatusReportIndication ::= ENUMERATED {

 downlink,

 uplink,

 both,

 ...

}

////////////////////////////////////////////////////////////////////////changes end///////////////////////////////////////////////////////////////////////////