|  |
| --- |
| TP for TS 38.300 |

16.15.4.2.2 Discard

When the PSIHI is set for a QoS flow, as soon as one PDU of a PDU set is known to be lost, the remaining PDUs of that PDU Set can be considered as no longer needed by the application and may be subject to discard operation at the transmitter to free up radio resources.

NOTE 1: It cannot always be assumed that the remaining PDUs are not useful and can safely be discarded. Also, in case of Forward Error Correction (FEC), active discarding of PDUs when assuming that a large enough number of packets have already been transmitted for FEC to recover without the remaining PDUs is not recommended as it might trigger an increase of FEC packets.

In uplink, the UE may be configured with PDU Set based discard operation for a specific DRB. When configured, the UE discards all packets in a PDU set when one PDU belonging to this PDU set is discarded due to discard timer expiry.

The gNB may perform downlink PDU Set discarding based on implementation by taking at least PSDB, PSI, PSIHI parameters into account.

In case of congestion, the gNB may use the PSI for PDU set discarding. For uplink, dedicated downlink signalling is used to request the UE to apply a shorter discard timer to *low importance* SDUs in PDCP.

NOTE 2: How SDUs are identified as *low importance* is left up to UE implementation. When a PSI is available, it can be used to classify the PDCP SDUs of a PDU Set according to the guidelines specified in TS 26.522 [58].

After performing PDCP SDU discard, the transmitting PDCP entity may send a PDCP SN gap report to the receiving PDCP entity, and the receiving PDCP entity shall update the reordering window according to the information provided in the PDCP SN gap report, as specified in TS 38.323 [8]. The UE is configured by the gNB to send the PDCP SN gap report in the uplink.

(OR)

After performing PDCP SDU discard, the transmitting PDCP entity may send one or more header-only PDCP data PDUs to the receiving PDCP entity, and the receiving PDCP entity shall update its state variables accordingly as specified in TS 38.323 [8]. The UE is configured by the gNB to send the header-only PDCP data PDU in the uplink.

|  |
| --- |
| TP for TS 38.306 |

### 4.2.4 PDCP Parameters

|  |  |  |  |
| --- | --- | --- | --- |
| Definitions for parameters | Per | M | FDD-TDD DIFF |
| ***continueEHC-Context-r16***  Indicates that the UE supports EHC context continuation operation where the UE keeps the established EHC context(s) upon PDCP re-establishment, as specified in TS 38.323 [16]. | UE | No | No |
| ***continueROHC-Context***  Defines whether the UE supports ROHC context continuation operation where the UE does not reset the current ROHC context upon PDCP re-establishment, as specified in TS 38.323 [16]. | UE | No | No |
| ***ehc-r16***  Indicates that the UE supports Ethernet header compression and decompression using EHC protocol, as specified in TS 38.323 [16]. The UE indicating this capability and indicating support for at least one ROHC profile, shall support simultaneous configuration of EHC and ROHC on different DRBs/multicast MRBs. | UE | No | No |
| ***extendedDiscardTimer-r16***  Indicates whether the UE supports the additional values of PDCP discard timer. The supported additional values are 0.5ms, 1ms, 2ms, 4ms, 6ms and 8ms, as specified in TS 38.331 [9]. | UE | No | No |
| ***jointEHC-ROHC-Config-r16***  Indicates whether the UE supports simultaneous configuration of EHC and ROHC protocols for the same DRB/multicast MRB. | UE | No | No |
| ***maxNumberROHC-ContextSessions***  Defines the maximum number of ROHC header compression context sessions supported by the UE across all DRBs and multicast MRBs, excluding context sessions that leave all headers uncompressed. | UE | No | No |
| ***maxNumberEHC-Contexts-r16***  Defines the maximum number of Ethernet header compression contexts supported by the UE across all DRBs and multicast MRBs and across UE's EHC compressor and EHC decompressor. The indicated number defines the number of contexts in addition to CID = "all zeros" as specified in TS 38.323 [16]. | UE | No | No |
| ***outOfOrderDelivery***  Indicates whether UE supports out of order delivery of data to upper layers by PDCP. | UE | No | No |
| ***pdcp-DuplicationMCG-OrSCG-DRB***  Indicates whether the UE supports CA-based PDCP duplication over MCG or SCG DRB as specified in TS 38.323 [16]. | UE | No | No |
| ***pdcp-DuplicationMoreThanTwoRLC-r16***  Defines whether the UE supports PDCP duplication with more than two RLC entities as specified in TS 38.323 [16]. The UE supporting this feature supports secondary RLC entity(ies) activation and deactivation based on duplication RLC Activation/Deactivation MAC CE as specified in TS 38.321 [8]. A UE supporting this feature shall also support *pdcp-DuplicationMCG-OrSCG-DRB*, *pdcp-DuplicationSplitDRB*, *pdcp-DuplicationSplitSRB* and *pdcp-DuplicationSRB*. | UE | No | No |
| ***pdcp-DuplicationSplitDRB***  Indicates whether the UE supports PDCP duplication over split DRB as specified in TS 38.323 [16]. | UE | No | No |
| ***pdcp-DuplicationSplitSRB***  Indicates whether the UE supports PDCP duplication over split SRB1/2 as specified in TS 38.323 [16]. | UE | No | No |
| ***pdcp-DuplicationSRB***  Indicates whether the UE supports CA-based PDCP duplication over SRB1/2 and/or, if (NG)EN-DC is supported, SRB3 as specified in TS 38.323 [16]. | UE | No | No |
| ***pdu-SetDiscard-r18***  Indicates whether the UE supports PDU set based discard operation (i.e. *pdu-SetDiscard-r18* configuration, as specified in TS 38.331 [9]).  UE supporting *pdu-SetDiscard-r18* shall also support the ability to identify PDU sets for UL XR traffic. | UE | No | No |
| ***psi-BasedDiscard-r18***  Indicates whether the UEs supports PSI based discard (i.e. *discardTimerForLowImportance-r18* configuration, as specified in TS 38.331 [9]).  UE supporting *psi-BasedDiscard-r18* shall also support the ability to identify PDU sets and PSI for UL XR traffic. | UE | No | No |
| ***shortSN***  Indicates whether the UE supports 12 bit length of PDCP sequence number. | UE | Yes | No |
| ***sn-GapReport-r18***  Indicates whether the UE supports the PDCP SN gap reporting as specified in TS 38.323 [16] and TS 38.331 [9] | UE | No | No |
| ***supportedROHC-Profiles***  Defines which ROHC profiles from the list below are supported by the UE:  - 0x0000 ROHC No compression (RFC 5795)  - 0x0001 ROHC RTP/UDP/IP (RFC 3095, RFC 4815)  - 0x0002 ROHC UDP/IP (RFC 3095, RFC 4815)  - 0x0003 ROHC ESP/IP (RFC 3095, RFC 4815)  - 0x0004 ROHC IP (RFC 3843, RFC 4815)  - 0x0006 ROHC TCP/IP (RFC 6846)  - 0x0101 ROHC RTP/UDP/IP (RFC 5225)  - 0x0102 ROHC UDP/IP (RFC 5225)  - 0x0103 ROHC ESP/IP (RFC 5225)  - 0x0104 ROHC IP (RFC 5225)  A UE that supports one or more of the listed ROHC profiles shall support ROHC profile 0x0000 ROHC uncompressed (RFC 5795).  An IMS voice capable UE shall indicate support of ROHC profiles 0x0000, 0x0001, 0x0002 and be able to compress and decompress headers of PDCP SDUs at a PDCP SDU rate corresponding to supported IMS voice codecs. | UE | No | No |
| ***udc-r17***  Indicates whether the UE supports the uplink data compression operation as specified in TS 38.323 [16]. The capability signalling comprises of the following parameters:  - *standardDictionary-r17* indicates whether the UE supports UL data compression with SIP static dictionary as defined in TS 38.323 [16].  - *operatorDictionary-r17* indicates whether the UE supports UL data compression with operator defined dictionary. In this release, the UE can only support one operator defined dictionary. If the UE supports operator defined dictionary, the UE shall report *versionOfDictionary-r17* and *associatedPLMN-ID-r17* of the stored operator defined dictionary as defined in TS 38.331 [9]. This parameter is not required to be present if the UE is in VPLMN. The *associatedPLMN-ID-r17* is only associated to the operator defined dictionary which has no relationship with UE's HPLMN ID.  - *continueUDC-r17* indicates whether the UE supports continuation of uplink data compression protocol operation where the UE does not reset the buffer upon PDCP re-establishment, as specified in TS 38.323 [16].  - *supportOfBufferSize-r17* indicates which compression buffer size the UE supports as specified in TS 38.323 [16]. Value kbyte4 means the UE supports 4096 bytes for compression buffer per UDC DRB. Value kbyte8 means the UE supports 8192 bytes for compression buffer per UDC DRB.  A UE that supports the uplink data compression operation shall support 2048 bytes for compression buffer per UDC DRB and support up to 2 UDC DRBs. | UE | No | No |
| ***uplinkOnlyROHC-Profiles***  Indicates the ROHC profile(s) that are supported in uplink-only ROHC operation by the UE.  - 0x0006 ROHC TCP (RFC 6846)  A UE that supports uplink-only ROHC profile(s) shall support ROHC profile 0x0000 ROHC uncompressed (RFC 5795). | UE | No | No |

|  |
| --- |
| TP for TS 38.331 |

==============================================START OF CHANGES=======================================================

– *PDCP-Config*

The IE *PDCP-Config* is used to set the configurable PDCP parameters for signalling, MBS multicast and data radio bearers.

*PDCP-Config* information element

-- ASN1START

-- TAG-PDCP-CONFIG-START

PDCP-Config ::= SEQUENCE {

drb SEQUENCE {

discardTimer ENUMERATED {ms10, ms20, ms30, ms40, ms50, ms60, ms75, ms100, ms150, ms200,

ms250, ms300, ms500, ms750, ms1500, infinity} OPTIONAL, -- Cond Setup

pdcp-SN-SizeUL ENUMERATED {len12bits, len18bits} OPTIONAL, -- Cond Setup1

pdcp-SN-SizeDL ENUMERATED {len12bits, len18bits} OPTIONAL, -- Cond Setup2

headerCompression CHOICE {

notUsed NULL,

rohc SEQUENCE {

maxCID INTEGER (1..16383) DEFAULT 15,

profiles SEQUENCE {

profile0x0001 BOOLEAN,

profile0x0002 BOOLEAN,

profile0x0003 BOOLEAN,

profile0x0004 BOOLEAN,

profile0x0006 BOOLEAN,

profile0x0101 BOOLEAN,

profile0x0102 BOOLEAN,

profile0x0103 BOOLEAN,

profile0x0104 BOOLEAN

},

drb-ContinueROHC ENUMERATED { true } OPTIONAL -- Need N

},

uplinkOnlyROHC SEQUENCE {

maxCID INTEGER (1..16383) DEFAULT 15,

profiles SEQUENCE {

profile0x0006 BOOLEAN

},

drb-ContinueROHC ENUMERATED { true } OPTIONAL -- Need N

},

...

},

integrityProtection ENUMERATED { enabled } OPTIONAL, -- Cond ConnectedTo5GC1

statusReportRequired ENUMERATED { true } OPTIONAL, -- Cond Rlc-AM-UM

outOfOrderDelivery ENUMERATED { true } OPTIONAL -- Need R

} OPTIONAL, -- Cond DRB

moreThanOneRLC SEQUENCE {

primaryPath SEQUENCE {

cellGroup CellGroupId OPTIONAL, -- Need R

logicalChannel LogicalChannelIdentity OPTIONAL -- Need R

},

ul-DataSplitThreshold UL-DataSplitThreshold OPTIONAL, -- Cond SplitBearer

pdcp-Duplication BOOLEAN OPTIONAL -- Need R

} OPTIONAL, -- Cond MoreThanOneRLC

t-Reordering ENUMERATED {

ms0, ms1, ms2, ms4, ms5, ms8, ms10, ms15, ms20, ms30, ms40,

ms50, ms60, ms80, ms100, ms120, ms140, ms160, ms180, ms200, ms220,

ms240, ms260, ms280, ms300, ms500, ms750, ms1000, ms1250,

ms1500, ms1750, ms2000, ms2250, ms2500, ms2750,

ms3000, spare28, spare27, spare26, spare25, spare24,

spare23, spare22, spare21, spare20,

spare19, spare18, spare17, spare16, spare15, spare14,

spare13, spare12, spare11, spare10, spare09,

spare08, spare07, spare06, spare05, spare04, spare03,

spare02, spare01 } OPTIONAL, -- Need S

...,

[[

cipheringDisabled ENUMERATED {true} OPTIONAL -- Cond ConnectedTo5GC

]],

[[

discardTimerExt-r16 SetupRelease { DiscardTimerExt-r16 } OPTIONAL, -- Cond DRB2

moreThanTwoRLC-DRB-r16 SEQUENCE {

splitSecondaryPath-r16 LogicalChannelIdentity OPTIONAL, -- Cond SplitBearer2

duplicationState-r16 SEQUENCE (SIZE (3)) OF BOOLEAN OPTIONAL -- Need S

} OPTIONAL, -- Cond MoreThanTwoRLC-DRB

ethernetHeaderCompression-r16 SetupRelease { EthernetHeaderCompression-r16 } OPTIONAL -- Need M

]],

[[

survivalTimeStateSupport-r17 ENUMERATED {true} OPTIONAL, -- Cond Drb-Duplication

uplinkDataCompression-r17 SetupRelease { UplinkDataCompression-r17 } OPTIONAL, -- Cond Rlc-AM

discardTimerExt2-r17 SetupRelease { DiscardTimerExt2-r17 } OPTIONAL, -- Need M

initialRX-DELIV-r17 BIT STRING (SIZE (32)) OPTIONAL -- Cond MRB-Initialization

]],

[[

pdu-SetDiscard-r18 ENUMERATED {true} OPTIONAL, -- Need R

discardTimerForLowImportance-r18 SetupRelease { DiscardTimerForLowImportance-r18 } OPTIONAL, -- Cond DRB2

primaryPathOnIndirectPath-r18 ENUMERATED {true} OPTIONAL, -- Cond SplitBearerMP

sn-GapReport-r18 ENUMERATED {true} OPTIONAL -- Need R

]]

}

EthernetHeaderCompression-r16 ::= SEQUENCE {

ehc-Common-r16 SEQUENCE {

ehc-CID-Length-r16 ENUMERATED { bits7, bits15 },

...

},

ehc-Downlink-r16 SEQUENCE {

drb-ContinueEHC-DL-r16 ENUMERATED { true } OPTIONAL, -- Need N

...

} OPTIONAL, -- Need M

ehc-Uplink-r16 SEQUENCE {

maxCID-EHC-UL-r16 INTEGER (1..32767),

drb-ContinueEHC-UL-r16 ENUMERATED { true } OPTIONAL, -- Need N

...

} OPTIONAL -- Need M

}

UL-DataSplitThreshold ::= ENUMERATED {

b0, b100, b200, b400, b800, b1600, b3200, b6400, b12800, b25600, b51200, b102400, b204800,

b409600, b819200, b1228800, b1638400, b2457600, b3276800, b4096000, b4915200, b5734400,

b6553600, infinity, spare8, spare7, spare6, spare5, spare4, spare3, spare2, spare1}

DiscardTimerExt-r16 ::= ENUMERATED {ms0dot5, ms1, ms2, ms4, ms6, ms8, spare2, spare1}

DiscardTimerExt2-r17 ::= ENUMERATED {ms2000, spare3, spare2, spare1}

UplinkDataCompression-r17 ::= CHOICE {

newSetup SEQUENCE {

bufferSize-r17 ENUMERATED {kbyte2, kbyte4, kbyte8, spare1},

dictionary-r17 ENUMERATED {sip-SDP, operator} OPTIONAL -- Need N

},

drb-ContinueUDC NULL

}

DiscardTimerForLowImportance-r18 ::= ENUMERATED {ms0, ms2, ms4, ms6, ms8, ms10, ms12, ms14, ms18, ms22, ms26, ms30, ms40, ms50, ms75, ms100}

-- TAG-PDCP-CONFIG-STOP

-- ASN1STOP

| ***PDCP-Config* field descriptions** |
| --- |
| ***cipheringDisabled***  If included, ciphering is disabled for this DRB regardless of which ciphering algorithm is configured for the SRB/DRBs. The field may only be included if the UE is connected to 5GC. Otherwise the field is absent. The network configures all DRBs with the same PDU-session ID with same value for this field. The value for this field cannot be changed after the DRB is set up. |
| ***discardTimer***  Value in ms of *discardTimer* specified in TS 38.323 [5]. Value *ms10* corresponds to 10 ms, value *ms20* corresponds to 20 ms and so on. The value for this field cannot be changed in case of reconfiguration with sync, if the bearer is configured as DAPS bearer. |
| ***discardTimerExt***  Value in ms of *discardTimer* specified in TS 38.323 [5]. Value *ms0dot5* corresponds to 0.5 ms, value *ms1* corresponds to 1ms and so on. If this field is present, the field *discardTimer* is ignored and *discardTimerExt* is used instead. |
| ***discardTimerExt2***  Value in ms of *discardTimerExt* specified in TS 38.323 [5]. Value *ms2000* corresponds to 2000 ms. If this field is present, the field *discardTimer* and *discardTimerExt* are ignored and *discardTimerExt2* is used instead. |
| ***discardTimerForLowImportance***  Value in ms of d*iscardTimerForLowImportance* specified in TS 38.323 [5]. Value *ms0* corresponds to 0 ms, value *ms2* corresponds to 2 ms and so on. The value of this timer for a PDCP entity is always configured shorter than *discardTimer*, *discardTimerExt* or *discardTimerExt2*, whichever is used for the PDCP entity. |
| ***drb-ContinueROHC***  Indicates whether the PDCP entity continues or resets the ROHC header compression protocol during PDCP re-establishment, as specified in TS 38.323 [5]. This field is configured only in case of resuming an RRC connection or reconfiguration with sync, where the PDCP termination point is not changed and the *fullConfig* is not indicated. The network does not include the field if the bearer is configured as DAPS bearer. This field can be configured for both DRB and multicast MRB. |
| ***duplicationState***  This field indicates the uplink PDCP duplication state for the associated RLC entities at the time of receiving this IE. If set to *true,* the PDCP duplication state is activated for the associated RLC entity. The index for the indication is determined by ascending order of logical channel ID of all RLC entities other than the primary RLC entityindicated by *primaryPath* in the order of MCG and SCG, as in clause 6.1.3.32 of TS 38.321 [3]. If the number of associated RLC entities other than the primary RLC entity is two, UE ignores the value in the largest index of this field. If the field is absent, the PDCP duplication states are deactivated for all associated RLC entities. |
| ***ethernetHeaderCompression***  This fields configures Ethernet Header Compression. This field can only be configured for a bi-directional DRB or a bi-directional multicast MRB. The network reconfigures *ethernetHeaderCompression* only upon reconfiguration involving PDCP re-establishment and with neither *drb-ContinueEHC-DL* nor *drb-ContinueEHC-UL* configured. Network only configures this field when *uplinkDataCompression* is not configured. |
| ***headerCompression***  If rohc is configured, the UE shall apply the configured ROHC profile(s) in both uplink and downlink. If *uplinkOnlyROHC* is configured, the UE shall apply the configured ROHC profile(s) in uplink (there is no header compression in downlink). ROHC can be configured for any bearer type. ROHC and EHC can be both configured simultaneously for a DRB or a multicast MRB. The network reconfigures *headerCompression* only upon reconfiguration involving PDCP re-establishment or involving PDCP entity reconfiguration to configure DAPS bearer(s), and without any *drb-ContinueROHC*. Network configures *headerCompression* to *notUsed* when *outOfOrderDelivery* is configured. Network only configures this field when *uplinkDataCompression* is not configured. |
| ***initialRX-DELIV***  Indicates the initial value of RX\_DELIV during PDCP window initialization for multicast MRB as specified in TS 38.323 [5]. |
| ***integrityProtection***  Indicates whether or not integrity protection is configured for this radio bearer. The network configures all DRBs with the same PDU-session ID with same value for this field. The value for this field cannot be changed after the DRB is set up. |
| ***maxCID***  Indicates the value of the MAX\_CID parameter as specified in TS 38.323 [5].  The total value of MAX\_CIDs across all bearers for the UE should be less than or equal to the value of *maxNumberROHC-ContextSessions* parameter as indicated by the UE. |
| ***moreThanOneRLC***  This field configures UL data transmission when more than one RLC entity is associated with the PDCP entity. This field is not present if the bearer is configured as DAPS bearer. |
| ***moreThanTwoRLC-DRB***  This field configures UL data transmission when more than two RLC entities are associated with the PDCP entity for DRBs. |
| ***outOfOrderDelivery***  Indicates whether or not *outOfOrderDelivery* specified in TS 38.323 [5] is configured. This field should be either always present or always absent, after the radio bearer is established. |
| ***pdcp-Duplication***  Indicates whether or not uplink duplication status at the time of receiving this IE is configured and activated as specified in TS 38.323 [5]. The presence of this field indicates that duplication is configured. PDCP duplication is not configured for CA packet duplication of LTE RLC bearer. The value of this field, when the field is present, indicates the state of the duplication at the time of receiving this IE. If set to *true*, duplication is activated. The value of this field is always *true*, when configured for a SRB. For PDCP entity with more than two associated RLC entities for UL transmission, this field is always present. If the field *moreThanTwoRLC-DRB* is present, the value of this field is ignored and the state of the duplication is indicated by *duplicationState*. For PDCP entity with more than two associated RLC entities, only NR RLC bearer is supported. |
| ***pdcp-SN-SizeDL***  PDCP sequence number size for downlink, 12 or 18 bits, as specified in TS 38.323 [5]. For SRBs only the value *len12bits* is applicable. The value for this field cannot be changed in case of reconfiguration with sync, if the bearer is configured as DAPS bearer. |
| ***pdcp-SN-SizeUL***  PDCP sequence number size for uplink, 12 or 18 bits, as specified in TS 38.323 [5]. For SRBs only the value *len12bits* is applicable. The value for this field cannot be changed in case of reconfiguration with sync, if the bearer is configured as DAPS bearer. |
| ***pdu-SetDiscard***  If set to true, the UE shall perform PDU set based discarding for this PDCP entity, as specified in TS 38.323 [5]. |
| ***primaryPath***  Indicates the cell group ID and LCID of the primary RLC entity as specified in TS 38.323 [5], clause 5.2.1 for UL data transmission when more than one RLC entity is associated with the PDCP entity. In this version of the specification, only cell group ID corresponding to MCG is supported for SRBs, except for the split SRB2 of the IAB-MT, and except when the UE is required to set the *primaryPath* to refer to the SCG as specified in clause 5.7.3b.4. In this last case, if the network sends an *RRCReconfiguration* message (in NR-DC) or an EUTRA *RRCConnectionReconfiguration* message (in (NG)EN-DC) keeping SRB1 as split SRB, the network explicitly configures the *primaryPath* for the PDCP entity of SRB1 to refer to the MCG. In this version of the specification, only cell group ID corresponding to MCG is supported for DRBs when the SCG is deactivated. In MR-DC, the NW indicates *cellGroup* for split bearers using logical channels in different cell groups. The NW always indicates *logicalChannel* if CA based PDCP duplication is configured in the cell group indicated by *cellGroup* of this field. In MP, when the primay path is set to indirect path, the field *cellGroup* and *logicalChannel* are absent, and the field *primaryPathOnIndirectPath* is set to true. |
| ***primaryPathOnIndirectPath***  Indicates that the primary RLC entity is on indirect path for DRB when MP is configured. |
| ***sn-GapReport***  Indicates whether the PDCP entity is configured to send a PDCP SN gap report in the uplink, as specified in TS 38.323 [5]. This field is only configured for DRBs. |
| ***splitSecondaryPath***  Indicates the LCID of the split secondary RLC entity as specified in TS 38.323 [5] for fallback to split bearer operation when UL data transmission with more than two RLC entities is associated with the PDCP entity. This RLC entity belongs to a cell group that is different from the cell group indicated by *cellGroup* in the field *primaryPath.* |
| ***statusReportRequired***  For AM DRBs, AM MRBs and DAPS UM DRBs, indicates whether the DRB or the multicast MRB is configured to send a PDCP status report in the uplink, as specified in TS 38.323 [5]. For DAPS AM DRBs, it also indicates whether the DRB is configured to send a second PDCP status report in the uplink, as specified in TS 38.323 [5]. |
| ***survivalTimeStateSupport***  Indicates whether the DRB associated with this PDCP entity has survival time state support. If this field is configured to be true, all associated RLC entities are activated for PDCP duplication upon reception of a retransmission grant addressed to CS-RNTI, as specified in TS 38.321 [3]. |
| ***t-Reordering***  Value in ms of t-Reordering specified in TS 38.323 [5]. Value *ms0* corresponds to 0 ms, value *ms20* corresponds to 20 ms, value *ms40* corresponds to 40 ms, and so on. When the field is absent the UE applies the value *infinity*. The value for this field cannot be changed in case of reconfiguration with sync, if the bearer is configured as DAPS bearer. |
| ***ul-DataSplitThreshold***  Parameter specified in TS 38.323 [5]. Value *b0* corresponds to 0 bytes, value *b100* corresponds to 100 bytes, value *b200* corresponds to 200 bytes, and so on. The network sets this field to *infinity* for UEs not supporting *splitDRB-withUL-Both-MCG-SCG* and when the SCG is deactivated. If the field is absent when the split bearer is configured for the radio bearer first time, then the default value *infinity* is applied. |
| ***uplinkDataCompression***  Indicates the UDC configuration that the UE shall apply. Network does not configure *uplinkDataCompression* for a DRB, if *headerCompression* or *ethernetHeaderCompression* is already configured or *outOfOrderDelivery* or DAPS is configured for the DRB. The maximum number of DRBs where *uplinkDataCompression* can be applied is two. The network reconfigures *uplinkDataCompression* only upon reconfiguration involving PDCP re-establishment. If the field is set to *drb-ContinueUDC*, the PDCP entity continues the uplink data compression protocol during PDCP re-establishment, as specified in TS 38.323 [5]. The field is set to *drb-ContinueUDC* only in case of resuming an RRC connection or reconfiguration with sync, where the PDCP termination point is not changed and the *fullConfig* is not indicated. |

=================================================NEXT CHANGE========================================================

*– PDCP-Parameters*

The IE *PDCP-Parameters* is used to convey capabilities related to PDCP.

*PDCP-Parameters* information element

-- ASN1START

-- TAG-PDCP-PARAMETERS-START

PDCP-Parameters ::= SEQUENCE {

supportedROHC-Profiles SEQUENCE {

profile0x0000 BOOLEAN,

profile0x0001 BOOLEAN,

profile0x0002 BOOLEAN,

profile0x0003 BOOLEAN,

profile0x0004 BOOLEAN,

profile0x0006 BOOLEAN,

profile0x0101 BOOLEAN,

profile0x0102 BOOLEAN,

profile0x0103 BOOLEAN,

profile0x0104 BOOLEAN

},

maxNumberROHC-ContextSessions ENUMERATED {cs2, cs4, cs8, cs12, cs16, cs24, cs32, cs48, cs64,

cs128, cs256, cs512, cs1024, cs16384, spare2, spare1},

uplinkOnlyROHC-Profiles ENUMERATED {supported} OPTIONAL,

continueROHC-Context ENUMERATED {supported} OPTIONAL,

outOfOrderDelivery ENUMERATED {supported} OPTIONAL,

shortSN ENUMERATED {supported} OPTIONAL,

pdcp-DuplicationSRB ENUMERATED {supported} OPTIONAL,

pdcp-DuplicationMCG-OrSCG-DRB ENUMERATED {supported} OPTIONAL,

...,

[[

drb-IAB-r16 ENUMERATED {supported} OPTIONAL,

non-DRB-IAB-r16 ENUMERATED {supported} OPTIONAL,

extendedDiscardTimer-r16 ENUMERATED {supported} OPTIONAL,

continueEHC-Context-r16 ENUMERATED {supported} OPTIONAL,

ehc-r16 ENUMERATED {supported} OPTIONAL,

maxNumberEHC-Contexts-r16 ENUMERATED {cs2, cs4, cs8, cs16, cs32, cs64, cs128, cs256, cs512,

cs1024, cs2048, cs4096, cs8192, cs16384, cs32768, cs65536} OPTIONAL,

jointEHC-ROHC-Config-r16 ENUMERATED {supported} OPTIONAL,

pdcp-DuplicationMoreThanTwoRLC-r16 ENUMERATED {supported} OPTIONAL

]],

[[

longSN-RedCap-r17 ENUMERATED {supported} OPTIONAL,

udc-r17 SEQUENCE {

standardDictionary-r17 ENUMERATED {supported} OPTIONAL,

operatorDictionary-r17 SEQUENCE {

versionOfDictionary-r17 INTEGER (0..15),

associatedPLMN-ID-r17 PLMN-Identity

} OPTIONAL,

continueUDC-r17 ENUMERATED {supported} OPTIONAL,

supportOfBufferSize-r17 ENUMERATED {kbyte4, kbyte8} OPTIONAL

} OPTIONAL

]],

[[

longSN-NCR-r18 ENUMERATED {supported} OPTIONAL,

pdu-SetDiscard-r18 ENUMERATED {supported} OPTIONAL,

psi-BasedDiscard-r18 ENUMERATED {supported} OPTIONAL,

sn-GapReport-r18 ENUMERATED {supported} OPTIONAL

]]

}

-- TAG-PDCP-PARAMETERS-STOP

-- ASN1STOP

==============================================END OF CHANGES========================================================