3GPP TSG-RAN WG2 Meeting #110e R2-2006225

E-meeting, June 1 – June 12, 2020

Agenda Item: 6.7.4

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| *CR-Form-v12.0* | | | | | | | | |
| **CHANGE REQUEST** | | | | | | | | |
|  | | | | | | | | |
|  | **36.323** | **CR** | **0286** | **rev** | **1** | **Current version:** | **16.0.0** |  |
|  | | | | | | | | |
| *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)*.* | | | | | | | | |
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| ***Proposed change affects:*** | UICC apps |  | ME | **X** | Radio Access Network | **X** | Core Network |  |

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| ***Title:*** | LTE PDCP corrections for NR IIOT | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Source to WG:*** | LG Electronics Inc. | | | | | | | | | |
| ***Source to TSG:*** | R2 | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Work item code:*** | NR\_IIOT-Core | | | | |  | ***Date:*** | | | 2020-06-01 |
|  |  | | | |  | |  | | |  |
| ***Category:*** | **F** |  | | | | | ***Release:*** | | | Rel-16 |
|  | *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 can be 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:*** | | This CR captures the agreement made in RAN2#109bis-e and RAN2#110-e. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Summary of change:*** | | 1. MAX\_CID\_EHC\_UL is introduced in the clause “5.14.3 Protocol parameters”.  2. It is clarified that the EHC compressed packets include both EHC full header packets and EHC compressed header packets. | | | | | | | | |
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| ***Consequences if not approved:*** | | If the CR is not approved, ambiguities still remain on EHC. | | | | | | | | |
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| ***Clauses affected:*** | | 5.14.3, 5.14.4 | | | | | | | | |
|  | |  | | | | | | | | |
|  | | **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:*** | |  | | | | | | | | |

### 5.14.3 Protocol parameters

The usage and definition of the parameters shall be as specified below.

- MAX\_CID\_EHC\_UL: This is the maximum CID value that can be used for UL. One CID value shall always be reserved for uncompressed flows. The parameter MAX\_CID\_EHC\_UL is configured by upper layers (*maxCID-EHC-UL* in TS 36.331 [3]);

### 5.14.4 Header compression using EHC

If EHC is configured, the EHC protocol generates two types of output packets:

- EHC compressed packets (i.e. EHC full header packets and EHC compressed header packets), each associated with one PDCP SDU;

- standalone packets not associated with a PDCP SDU, i.e. EHC feedback packets.

An EHC compressed packet is associated with the same PDCP SN and COUNT value as the related PDCP SDU.

EHC feedback packets are not associated with a PDCP SDU. They are not associated with a PDCP SN and are not ciphered.