**3GPP TSG-RAN WG2 Meeting #113-e**[***R2-2101984***](file:///C:\Users\terhentt\Documents\Tdocs\RAN2\RAN2_113-e\R2-2101984.zip)

**Electronic Meeting, 25th January – 5th February 2021**

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| *CR-Form-v12.0* | | | | | | | | |
| **CHANGE REQUEST** | | | | | | | | |
|  | | | | | | | | |
|  | **36.321** | **CR** | **1521** | **rev** | **1** | **Current version:** | **16.3.0** |  |
|  | | | | | | | | |
| *For* [***HELP***](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:*** | Recommended bit rate query handling at MAC Reset | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Source to WG:*** | Ericsson | | | | | | | | | |
| ***Source to TSG:*** | R2 | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Work item code:*** | LTE\_VoLTE\_ViLTE\_enh, TEI16 | | | | |  | ***Date:*** | | | 2021-02-04 |
|  |  | | | |  | |  | | |  |
| ***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:*** | | In the current specification, a triggered Recommended bit rate query is not cancelled at MAC reset. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Summary of change:*** | | Include the cancellation of a triggered Recommended bit rate query in the list of UE actions at MAC reset.  **Impact analysis**  Impacted functionality:  Recommended bit rate query procedure at MAC reset.  Inter-operability:   1. If the UE is implemented according to this CR but the network is not, there is no inter-operability issue foreseen. 2. If the network is implemented according to this CR but the UE is not, the eNB may send a wrong recommended bit rate to the UE in response to the received recommended bit rate query.   **Implementation of this CR from Rel-14 will not cause additional interoperability issues.** | | | | | | | | |
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| ***Consequences if not approved:*** | | The triggered Recommended bit rate query is not cancelled at MAC reset and recommened bitrate MAC CE which was triggered from a previous session may be sent in a later session. | | | | | | | | |
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| ***Clauses affected:*** | | 5.9, Annex D | | | | | | | | |
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|  | | **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*

## 5.9 MAC Reset

If a reset of the MAC entity is requested by upper layers, the MAC entity shall:

- initialize Bj for each logical channel to zero;

- except for *pur-TimeAlignmentTimer,* if configured*,* stop (if running) all timers;

- except for *pur-TimeAlignmentTimer,* if configured*,* consider all *timeAlignmentTimer*sas expired and perform the corresponding actions in clause 5.2;

- set the NDIs for all uplink HARQ processes to the value 0;

- stop, if any, ongoing RACH procedure;

- discard explicitly signalled *ra-PreambleIndex* and *ra-PRACH-MaskIndex*, if any;

- flush Msg3 buffer;

- cancel, if any, triggered Scheduling Request procedure;

- cancel, if any, triggered Buffer Status Reporting procedure;

- cancel, if any, triggered Power Headroom Reporting procedure;

- cancel, if any, triggered Recommended bit rate query procedure;

- flush the soft buffers for all DL HARQ processes;

- for each DL HARQ process, consider the next received transmission for a TB as the very first transmission;

- release, if any, Temporary C-RNTI.

If a partial reset of the MAC entity is requested by upper layers, for a serving cell, the MAC entity shall for the serving cell:

- set the NDIs for all uplink HARQ processes to the value 0;

- flush all UL HARQ buffers;

- stop all running *drx-ULRetransmissionTimers*;

- stop all running UL HARQ RTT timers;

- stop, if any, ongoing RACH procedure;

- discard explicitly signalled *ra-PreambleIndex* and *ra-PRACH-MaskIndex*, if any;

- flush Msg3 buffer;

- release, if any, Temporary C-RNTI.

*NEXT CHANGE*

Annex D (normative):  
List of CRs Containing Early Implementable Features and Corrections

This annex lists the Change Requests (CRs) whose changes may be implemented by a UE of an earlier release than which the CR was approved in (i.e. CRs that contain on their coversheets the sentence "Implementation of this CR from Rel-N will not cause interoperability issues").

Table D-1: List of CRs Containing Early Implementable Features and Corrections

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| TDoc Number (RP-xxxxxx): CR Title | CR Number(s) | CR Revision Number(s) | Earliest Implementable Release | Additional Information |
| RP-181232: Clarifying PDCCH Period Definition | 1300 | 2 | Release 13 |  |
| RP-181961: Defining PDCCH-Subframes for NB-IoT UE | 1327 | 1 | Release 13 |  |
| RP-191385: Clarification of Length field for DPR | 1450 | 1 | Release 13 |  |
| RP-192941: Clarification of PDCCH monitoring when not fully aligned with PDCCH periods | 1459 | 2 | Release 13 |  |
| RP-21xxxx: Recommended bit rate query handling at MAC reset | 1521 | 1 | Release 14 |  |
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| NOTE 1: In case a CR has mirror CR(s), the mirror CR(s) are not listed.  NOTE 2: The Additional Information column briefly describes the content of a CR in cases where the CR title may not be descriptive enough. If the CR is descriptive enough, then the Additional Information column may be left blank. | | | | |

*END OF CHANGES*