**3GPP TSG-RAN2 Meeting #109-e *[DRAFT]* R2-2002180**

**Online, 24 Feb – 6 March, 2020**

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| *CR-Form-v12.0* | | | | | | | | |
| **CHANGE REQUEST** | | | | | | | | |
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|  | **36.306** | **CR** | **1743** | **rev** | **-** | **Current version:** | **15.7.0** |  |
|  | | | | | | | | |
| *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:*** | Recommended Bit Rate/Query for FLUS and MTSI | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Source to WG:*** | Qualcomm Incorporated | | | | | | | | | |
| ***Source to TSG:*** | R2 | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Work item code:*** | E\_FLUS | | | | |  | ***Date:*** | | | 2020-02-27 |
|  |  | | | |  | |  | | |  |
| ***Category:*** | B |  | | | | | ***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:*** | | SA4 sent LS to RAN2 in R2-1911499/S4-191031. In the LS, SA4 explained about E\_FLUS work item as well as description of uplink streaming bitrate assistance using RAN signalling.  Currently defined maximum value for Recommended bit rate MAC CE is 8000 kbits/s for both LTE and NR which is insufficient for E\_FLUS where the targeted bitrates are as high as 300 Mbps and beyond. SA4 requested RAN2 to extend the data rate range that can be signalled using the existing Recommended bit rate MAC CE, for both LTE and NR.  RAN2#108 agreed “to extend the bitrate range of Recommended bitrate MAC CE for both NR and LTE in Rel-16”. RAN2 replied to SA4 with an LS indicating this agreement (R2-1916516). SA4 has already agreed on CR for TS 26.238 in S4-191280. | | | | | | | | |
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| ***Summary of change:*** | | Introduce UE capability for indicating support of the bit rate multiplier. | | | | | | | | |
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| ***Consequences if not approved:*** | | Recommended bit rate MAC CE cannot signal the bit rate range as specified in SA4 specifications. | | | | | | | | |
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| ***Clauses affected:*** | | 4.3.32.x (new) | | | | | | | | |
|  | |  | | | | | | | | |
|  | | **Y** | **N** |  | | | |  | | |
| ***Other specs*** | | **X** |  | Other core specifications | | | | TS 36.321 CR 1464  TS 36.331 CR 4230  TS 26.238 CR 0014 | | |
| ***affected:*** | |  | **X** | Test specifications | | | | TS/TR ... CR ... | | |
| ***(show related CRs)*** | |  | **X** | O&M Specifications | | | | TS/TR ... CR ... | | |
|  | |  | | | | | | | | |
| ***Other comments:*** | |  | | | | | | | | |
|  | |  | | | | | | | | |
| ***This CR's revision history:*** | |  | | | | | | | | |

### 4.3.32 MMTEL parameters

#### 4.3.32.1 *delayBudgetReporting-r14*

This field defines whether the UE supports delay budget reporting as specified in TS 36.331 [5].

#### 4.3.32.2 *pusch-Enhancements-r14*

This field defines whether the UE supports the PUSCH enhancement mode as specified in TS 36.211 [17] and TS 36.213 [22].

#### 4.3.32.3 *recommendedBitRate-r14*

This field defines whether the UE supports the bit rate recommendation message from the eNB to the UE as specified in TS 36.321 [4], clause 6.1.3.13.

4.3.32.4 *recommendedBitRateQuery-r14*

This field defines whether the UE supports the bit rate recommendation query message from the UE to the eNB as specified in TS 36.321 [4], clause 6.1.3.13. This field is only applicable if the UE supports *recommendedBitRate-r14*.

4.3.32.x *recommendedBitRateMultiplier-r16*

This field defines whether the UE supports the bit rate multiplier for recommended bit rate MAC CE as specified in TS 36.321 [4], clause 6.1.3.13. This field is only applicable if the UE supports *recommendedBitRate-r14*.