**3GPP TSG-RAN WG3 Meeting #128 R3-25xxxx**

**Malta, 19th – 23rd May 2025**

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| *CR-Form-v12.3* |
| **CHANGE REQUEST** |
|  |
|  |  | **CR** | **1499** | **rev** | **1** | **Current version:** |  |  |
|  |
| *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 |  | Radio Access Network | **x** | Core Network |  |

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| ***Title:***  | Correction on the definition of UE Throughput |
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| ***Source to WG:*** | CATT,ZTE,Samsung |
| ***Source to TSG:*** | R3 |
|  |  |
| ***Work item code:*** |  |  | ***Date:*** | 2025-04-27 |
|  |  |  |  |  |
| ***Category:*** | F |  | ***Release:*** | Rel-18 |
|  | *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-17 (Release 17)Rel-18 (Release 18)Rel-19 (Release 19) Rel-20 (Release 20)* |
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| ***Reason for change:*** | As part of the Rel18 WI on AI/ML for NG-RAN, Average UE Throughput, among other metrics, was agreed as a metric for UE performance monitoring. However, the definition of Average UE Throughput has the following issue:* The reference of “9.2.3.4 Bit Rate” as the IE type of UE throughputs incurred a mismatch in the definition of the Average UE Throughput in TS 28.558 (no matter PDCP level or RLC level) and the definition in TS 38.423.
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| ***Summary of change:*** | Revise the description of the *Bit Rate* IE to explicitly specify that it can also be used for Average UE Throughput.**Impact Analysis:**Impact assessment towards the previous version of the specification (same release): This CR has isolated impact with the previous version of the specification (same release) because it only impacts the AI/ML for NG-RAN. |
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| ***Consequences if not approved:*** | Maintaining an incorrect metric because it fails to accurately represent the Average UE Throughput. |
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| ***Clauses affected:*** | 9.2.3.4 |
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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:*** |  |

*CHANGES START*

9.2.3.4 Bit Rate

This IE indicates the number of bits delivered by NG-RAN in UL or to NG-RAN in DL or by the UE in sidelink within a period of time, divided by the duration of the period. It is used, for example, to indicate the maximum or guaranteed bit rate for a GBR QoS flow, or an aggregate maximum bit rate.

This IE is also used to indicate the Average UE Throughput.

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| --- | --- | --- | --- | --- |
| **IE/Group Name** | **Presence** | **Range** | **IE type and reference** | **Semantics description** |
| Bit Rate | M |  | INTEGER (0..4,000,000,000,000,…) | The unit is: bit/s |

*CHANGES END*