**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 | | | | | | | | | |
|  |  | | | | | | | | | |
| ***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 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-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 | | | | | | | | | |
|  |  | | | | | | | | | |
|  | **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*