**3GPP TSG-SA5 Meeting #156 *S5-244978***

Maastricht, Netherlands, 19 - 23 August 2024

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| *CR-Form-v12.3* | | | | | | | | |
| **CHANGE REQUEST** | | | | | | | | |
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|  |  | **CR** | **0065** | **rev** | **1** | **Current version:** |  |  |
|  | | | | | | | | |
| *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 |  | Radio Access Network | **X** | Core Network | **X** |

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| ***Title:*** | Rel-18 CR TS 28.530 Update service types to align with TS 23.501 | | | | | | | | | |
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| ***Source to WG:*** | Huawei | | | | | | | | | |
| ***Source to TSG:*** | S5 | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Work item code:*** | TEI17 | | | | |  | ***Date:*** | | | 2024-08-22 |
|  |  | | | |  | |  | | |  |
| ***Category:*** | A |  | | | | | ***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)* | |
|  |  | | | | | | | | | |
| ***Reason for change:*** | | * New SST for High-Performance Machine-Type Communications (HMTC) has been added in TS 23.501 in Release 17. Another new SST for High Data rate and Low Latency Communications (HDLLC) has also been added in TS 23.501 in Release 18. The service types listed in TS 28.530, which are eMBB, URLLC and mIoT as a limited list, need to be updated to align with SA2 TS 23.501. * An obsolete reference to SA1 TS 22.261 for URLLC service type exists. | | | | | | | | |
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| ***Summary of change:*** | | * Update eMBB, URLLC and mIoT as examples of service type instead of a limited list of service types. * Fix the obsolete reference to SA1 TS 22.261 for URLLC service type. | | | | | | | | |
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| ***Consequences if not approved:*** | | May lead to incorrect implementation. | | | | | | | | |
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| ***Clauses affected:*** | | 4.1.4 | | | | | | | | |
|  | |  | | | | | | | | |
|  | | **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:*** | |  | | | | | | | | |

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| **First change** |

### 4.1.4 Communication services requirements

eMBB service type aims at supporting high data rates and high traffic densities as outlined in TS 22.261 [2], Table 7.1-1 "Performance requirements for high data rate and traffic density scenarios". URLLC service type aims at supporting the requirements in TS 22.261 [2], clause 7.2.2 "Scenarios and KPIs" related to high reliability and low latency scenarios. mIoT service type aims at supporting a large number and high density of IoT devices efficiently and cost effectively, see TS 23.501 [3].

Depending on the service type (e.g. eMBB, URLLC, mIoT), different service types may include different network slice related requirements, for example:

- Area traffic capacity requirement

- Charging requirement

- Coverage area requirement

- Degree of isolation requirement

- End-to-end latency requirement

- Mobility requirement

- Overall user density requirement

- Priority requirement

- Service availability requirement

- Service reliability requirement

- UE speed requirement

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| **End of changes** |