**3GPP TSG-SA5 Meeting #155 *S5-243356***

Jeju, South Korea, 27 - 31 May 2024

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| *CR-Form-v12.1* |
| **CHANGE REQUEST** |
|  |
|  | **28.554** | **CR** | **0194** | **rev** | **1** | **Current version:** | **18.5.0** |  |
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| *For* ***[HE](http://www.3gpp.org/3G_Specs/CRs.htm%22%20%5Cl%20%22_blank)******[LP](http://www.3gpp.org/3G_Specs/CRs.htm%22%20%5Cl%20%22_blank)*** *on using this form: comprehensive instructions can be found at <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 28.554 add Use cases of GTP capacity related KPIs |
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| ***Source to WG:*** | China Mobile |
| ***Source to TSG:*** | S5 |
|  |  |
| ***Work item code:*** | PM\_KPI\_5G\_Ph3 |  | ***Date:*** | 2024-05-16 |
|  |  |  |  |  |
| ***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-15 (Release 15)Rel-16 (Release 16)Rel-17 (Release 17)Rel-18 (Release 18)* |
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| ***Reason for change:*** | Base on the request from SA2(S5-241324), the input data for the NWDAF to produce QoS sustainability analytics are missing, which are “UL and DL capacity GTP”. These KPIs need to be added in TS 28.554.In SA5 154 meeting, a CR(S5-242072) was agreed to add the missing KPIs of “UL and DL capacity GTP” in clause 6.3, to support NWDAF for QoS sustainability analytics.This proposal is to supplement the use case description for the KPIs. |
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| ***Summary of change:*** | Adding the use case of GTP capacity KPIs on “UL and DL capacity GTP” to support NWDAF to produce QoS sustainability analytics. |
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| ***Consequences if not approved:*** | If no use case is added, the purpose of GTP capacity related KPIs will be unclear and their utility will be unknown. |
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| ***Clauses affected:*** | A.x(new) |
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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 28.552 CR 0568 |
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| ***Other comments:*** |  |
|  |  |
| ***This CR's revision history:*** |  |

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| **1st Modified Section** |

# A.X Use case for GTP capacity related KPIs

The KPIs in clauses 6.3 are defined for the NWDAF to produce QoS sustainability analytics.

As described in TS 23.288, the consumer of QoS Sustainability analytics may request NWDAF analytics information regarding the QoS change statistics for an Analytics target period in the past in a certain area or the likelihood of a QoS change for an Analytics target period in the future in a certain area. To improve QoS Sustainability analytics, the NWDAF may additionally collect GTP metrics. These key performance indicators are of great importance to assist NWDAF in evaluating more accurate QoS sustainability analysis.

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| **End of modification** |