**3GPP TSG- Meeting # *4***

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| *CR-Form-v12.3* | | | | | | | | |
| **CHANGE REQUEST** | | | | | | | | |
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|  |  | **CR** |  | **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 |  | Core Network | **X** |

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| ***Title:*** |  | | | | | | | | | |
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| ***Source to WG:*** |  | | | | | | | | | |
| ***Source to TSG:*** | S5 | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Work item code:*** |  | | | | |  | ***Date:*** | | |  |
|  |  | | | |  | |  | | |  |
| ***Category:*** |  |  | | | | | ***Release:*** | | |  |
|  | *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:*** | | ATSSS can reduce mobile network congestion and deliver better customer experience. The key enabler of ATSSS is the Multi Access-PDU (MA PDU) Session.  Evaluation of the MA PDU session Establishment Success Rate of network slice, which can be an indication of user experience. | | | | | | | | |
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| ***Summary of change:*** | | New KPI for MA PDU session Establishment Success Rate of one network slice (S-NSSAI) are defined. | | | | | | | | |
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| ***Consequences if not approved:*** | | Cannot evaluate the MA PDU session Establishment Success Rate of network slice. | | | | | | | | |
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| ***Clauses affected:*** | | 6.2.x (new), A.12 | | | | | | | | |
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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:*** | | Revision of S5-243976. | | | | | | | | |

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| **1st change** |

6.2 Accessibility KPI

6.2.x MA PDU session Establishment success rate of network slice

a) MAPDUSessionEstSR.

b) This KPI describes the ratio of the number of successful MA PDU session establishment request to the number of MA PDU session establishment request attempts for all SMF which related to one network slice and is used to evaluate accessibility provided by the end-to-end network slice and network performance. It is obtained by the number of successful MA PDU session requests divided by the number of attempted MA PDU session requests. It is a percentage. The KPI type is RATIO.

c)

d) NetworkSlice

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| **2nd change** |

A.12 Use case for PDU session establishment success rate of one network slice (S-NSSAI) related KPI

It is necessary to evaluate accessibility performance provided by 5GS. PDU session and MA PDU session Establishment for a UE is important when it has registered to the network slice. If users or subscribers cannot establish PDU sessions or MA PDU sessions in slice instance, they cannot access any network services in the network slice. This KPI is focusing on network view.

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| **End of change** |