**3GPP TSG-SA5 Meeting #137eS5-213270**

**10 - 15 May 2021**

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| *CR-Form-v11.4* | | | | | | | | |
| **CHANGE REQUEST** | | | | | | | | |
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|  | **28.552** | **CR** | **0303** | **rev** | **-** | **Current version:** | **17.2.1** |  |
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| *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:*** | New measurements for the number of attempted and successfully resumed DRBs | | | | | | | | | |
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| ***Source to WG:*** | Nokia, Nokia Shanghai Bell, Ericsson | | | | | | | | | |
| ***Source to TSG:*** | S5 | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Work item code:*** | ePM\_KPI\_5G | | | | |  | ***Date:*** | | | 2021-04-30 |
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| ***Category:*** | **B** |  | | | | | ***Release:*** | | | Rel-17 |
|  | *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-12 (Release 12) Rel-13 (Release 13) Rel-14 (Release 14) Rel-15 (Release 15) Rel-16 (Release 16)* | |
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| ***Reason for change:*** | | The measurements for the number of attempted and successfully resumed DRBs are currently missing. They are needed to provide Total DRB accessibility according to 3GPP TS 28.554. | | | | | | | | |
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| ***Summary of change:*** | | Addition of new measurements for the number of attempted and successfully resumed DRBs. | | | | | | | | |
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| ***Consequences if not approved:*** | | The “Total DRB accessibility KPI” according to 28.554 cannot be provided. | | | | | | | | |
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| ***Clauses affected:*** | | 5.1.1.10.x (new), 5.1.1.10.y (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 ... CR ... | | |
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| ***Other comments:*** | |  | | | | | | | | |

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| **1st Modified Section** |

##### 5.1.1.10.x Number of DRBs attempted to be resumed

a) This measurement provides the number of DRBs attempted to be resumed. This measurement is split into subcounters per mapped 5QI and per S-NSSAI.

b) CC.

c) On Receipt of the *RRCResumeRequest* message or *RRCResumeRequest1* corresponding number of DRBs that are identified by gNB as to be resumed for the UE is counted. The identified DRBs related to consequent RRC connection resume fallback to RRC connection establishment initiated by gNB are excluded from the counting.

d) Each subcounter is an integer value.

e) DRB.ResumeAtt.*5QI,* where *5QI* identifies mapped 5QI and

DRB.ResumeAtt.*SNSSAI,* where *SNSSAI* identifies the S-NSSAI.

f) NRCellCU.

g) Valid for packet switching.

h) 5GS.

##### 5.1.1.10.y Number of DRBs successfuly resumed

a) This measurement provides the total successful number of DRBs successfuly resumed. This measurement is split into subcounters per mapped 5QI and per S-NSSAI.

b) CC.

c) On Receipt of a *RRCResumeComplete* message the corresponding number of DRBs successfuly resumed for the UE is counted.

d) Each subcounter is an integer value.

e) DRB.ResumeSucc.*5QI,* where *5QI* identifies mapped 5QI and

DRB.ResumeSucc.*SNSSAI,* where *SNSSAI* identifies the S-NSSAI.

f) NRCellCU.

g) Valid for packet switching.

h) 5GS.

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| **End of Modified Section** |