**3GPP TSG-SA5 Meeting #162 *S5-253405r2***

Stor-Göteborg, Sweden, 25th August 2025 - 29th August 2025

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| *CR-Form-v12.3* | | | | | | | | |
| **CHANGE REQUEST** | | | | | | | | |
|  | | | | | | | | |
|  | **28.552** | **CR** | **0716** | **rev** | **-** | **Current version:** | **19.4.0** |  |
|  | | | | | | | | |
| *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 |  |

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| ***Title:*** | Rel-19 CR TS 28.552 Corrections on SDT measurements | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Source to WG:*** | Ericsson | | | | | | | | | |
| ***Source to TSG:*** | S5 | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Work item code:*** | PM\_KPI\_5G\_Ph4 | | | | |  | ***Date:*** | | | 2025-08-10 |
|  |  | | | |  | |  | | |  |
| ***Category:*** | F |  | | | | | ***Release:*** | | | Rel-19 |
|  | *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:*** | | As indicted by incoming LS S5-253290, RAN2 has SDT related measurements specified in R2-2504742. However, in TS28.522, SDT related measurements are not inline with the RAN2 agreed CR. | | | | | | | | |
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| ***Summary of change:*** | | Corrections on SDT measurements | | | | | | | | |
|  | |  | | | | | | | | |
| ***Consequences if not approved:*** | | Misaligned specifications | | | | | | | | |
|  | |  | | | | | | | | |
| ***Clauses affected:*** | | 5.1.1.23.7, 5.1.1.23.8, 5.1.1.23.9, 5.1.1.23.10 | | | | | | | | |
|  | |  | | | | | | | | |
|  | | **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:*** | |  | | | | | | | | |

\*\*\* START OF NEXT CHANGE \*\*\*

##### 5.1.1.23.7 Mean number of Active UEs in RRC\_INACTIVE with ongoing SDT procedure in the DL per cell

a) This measurement provides the mean number of active UEs (in RRC\_INACTIVE state) with ongoing SDT procedure in the DL in an NRCellDU. The measurement is calculated per PLMN ID and per QoS level and per supported S-NSSAI.

b) DER (n=1).

c) This measurement is obtained by aggregating the measurement "Mean number of Active UEs in RRC\_INACTIVE with ongoing SDT procedure in the DL per DRB per cell" (see clause 4.2.1.3a.2 in TS 38.314 [29]). The measurement is performed per PLMN ID and per QoS level (mapped 5QI) and per supported S-NSSAI.

d) Each measurement is a single integer value. The number of measurements is equal to the number of PLMNs multiplied by the number of QoS levels multiplied by the number of supported S-NSSAIs.

[Total No. of measurement instances] x [No. of filter values for all measurements] (DL and UL) ≤ 100.

e) The measurement name has the form DRB.MeanRRCInactiveUeDl, or

DRB.MeanRRCInactiveUeDl\_Filter,   
where filter is a combination of PLMN and QoS and *SNSSAI*,

where PLMN represents the PLMN ID, QoS represents the mapped 5QI, and *SNSSAI* represents S-NSSAI.

f) NRCellDU.

g) Valid for packet switched traffic.

h) 5GS.

i) One usage of this measurement is for performance assurance within integrity area (user plane connection quality).

\*\*\* START OF NEXT CHANGE \*\*\*

##### 5.1.1.23.8 Max number of Active UEs in RRC\_INACTIVE with ongoing SDT procedure in the DL per cell

a) This measurement provides the max number of active UEs (in RRC\_INACTIVE state) with ongoing SDT procedure in the DL in an NRCellDU. The measurement is calculated per PLMN ID and per QoS level and per supported S-NSSAI.

b) DER (n=1).

c) This measurement is defined according to measurement "Max number of Active UEs in RRC\_INACTIVE with ongoing SDT procedure in the DL per DRB per cell" (see clause 4.2.1.3a.3 in TS 38.314 [29]). The measurement is performed per PLMN ID and per QoS level (mapped 5QI) and per supported S-NSSAI.

d) Each measurement is a single integer value. The number of measurements is equal to the number of PLMNs multiplied by the number of QoS levels multiplied by the number of supported S-NSSAIs.

[Total No. of measurement instances] x [No. of filter values for all measurements] (DL and UL) ≤ 100.

e) The measurement name has the form DRB.MaxRRCInactiveUeDl, or

DRB.MaxRRCInactiveUeDl\_Filter,   
where filter is a combination of PLMN and QoS and *SNSSAI*,

where PLMN represents the PLMN ID, QoS represents the mapped 5QI, and *SNSSAI* represents S-NSSAI.

f) NRCellDU.

g) Valid for packet switched traffic.

h) 5GS.

i) One usage of this measurement is for performance assurance within integrity area (user plane connection quality).

\*\*\* START OF NEXT CHANGE \*\*\*

##### 5.1.1.23.9 Mean number of Active UEs in RRC\_INACTIVE with ongoing SDT procedure in the UL per cell

a) This measurement provides the mean number of active UEs (in RRC\_INACTIVE state) with ongoing SDT procedure in the UL in an NRCellDU. The measurement is calculated per PLMN ID and per QoS level and per supported S-NSSAI.

b) DER (n=1)

c) This measurement is obtained by aggregating the measurement "Mean number of Active UEs in RRC\_INACTIVE with ongoing SDT procedure in the UL per DRB per cell" (see clause 4.2.1.3a.4 in TS 38.314 [29]). The measurement is performed per PLMN ID and per QoS level (mapped 5QI) and per supported S-NSSAI.

d) Each measurement is a single integer value. The number of measurements is equal to the number of PLMNs multiplied by the number of QoS levels multiplied by the number of supported S-NSSAIs.

[Total No. of measurement instances] x [No. of filter values for all measurements] (DL and UL) ≤ 100.

e) The measurement name has the form DRB.MeanRRCInactiveUeUl, or

DRB.MeanRRCInactiveUeUl\_Filter,   
where filter is a combination of PLMN and QoS and *SNSSAI*,

where PLMN represents the PLMN ID, QoS represents the mapped 5QI, and *SNSSAI* represents S-NSSAI.

f) NRCellDU.

g) Valid for packet switched traffic.

h) 5GS.

i) One usage of this measurement is for performance assurance within integrity area (user plane connection quality).

\*\*\* START OF NEXT CHANGE \*\*\*

##### 5.1.1.23.10 Max number of Active UEs in RRC\_INACTIVE with ongoing SDT procedure in the UL per cell

a) This measurement provides the max number of active UEs (in RRC\_INACTIVE state) with ongoing SDT procedure in the UL in an NRCellDU. The measurement is calculated per PLMN ID, per QoS level, and per S-NSSAI.

b) DER (n=1)

c) This measurement is defined by the measurement "Max number of Active UEs in RRC\_INACTIVE with ongoing SDT procedure in the UL per DRB per cell" (see clause 4.2.1.3a.5 in TS 38.314 [29]). The measurement is performed per PLMN ID and per QoS level (mapped 5QI) and per supported S-NSSAI.

d) Each measurement is a single integer value. The number of measurements is equal to the number of PLMNs multiplied by the number of QoS levels multiplied by the number of supported S-NSSAIs.  
[Total No. of measurement instances] x [No. of filter values for all measurements] (DL and UL) ≤ 100.

e) The measurement name has the form DRB.MaxRRCInactiveUeUl, or

DRB.MaxRRCInactiveUeUl\_Filter,   
where filter is a combination of *PLMN* and *QoS* and *SNSSAI,*  
where *PLMN* represents the PLMN ID, *QoS* represents the mapped 5QI, and *SNSSAI* represents S-NSSAI.

f) NRCellDU.

g) Valid for packet switched traffic.

h) 5GS.

i) One usage of this measurement is for performance assurance within integrity area (user plane connection quality).

\*\*\* END OF CHANGE \*\*\*