**3GPP TSG-SA5 Meeting #162 *S5-254064***

Goteborg, Sweden, 25 - 29 August 2025

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| *CR-Form-v12.3* |
| **CHANGE REQUEST** |
|  |
|  |  | **CR** | **0719** | **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:***  | Rel-20 CR 28.552 Add new measurements related to the number of successful and failed roaming data collection service subscriptions received by RE-NWDAF |
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| ***Source to WG:*** | China Telecom |
| ***Source to TSG:*** | SA5 |
|  |  |
| ***Work item code:*** | NWDAF\_Ph3-OAM |  | ***Date:*** | 2025-8-15 |
|  |  |  |  |  |
| ***Category:*** |  |  | ***Release:*** | Rel-20 |
|  | *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-17 (Release 17)Rel-18 (Release 18)Rel-19 (Release 19) Rel-20 (Release 20)* |
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| ***Reason for change:*** | By measuring the number of successful and failed roaming data collection service subscriptions, operators can monitor the performance of RE-NWDAFs. With this measurement, operators can analyze and evaluate the performance of the RE-NWDAFs, such as conducting more precise root cause analysis of failures.  |
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| ***Summary of change:*** | A new measurement “Number of failed roaming data collection service subscriptions” is introduced.A new measurement “Number of successful roaming data collection service subscriptions” is introduced.  |
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| ***Consequences if not approved:*** | Operator will not be able to monitor the number of successful and failed roaming data collection service subscriptions and to take actions such as fault detection and root cause analysis. |
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| ***Clauses affected:*** | 5.18 |
|  |  |
|  | **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:*** | S5-254064 was S5-253441 |

***Start of First change***

## 5.18 Performance measurements for NWDAF

#### 5.18.X Measurements related to RE-NWDAF Data Collection

##### 5.18.X.3 Number of failed roaming data collection service subscriptions

a) This measurement provides the number of roaming data collection service subscriptions received and rejected by the RE-NWDAF.

b) CC

c) On receiving the subscription by the RE-NWDAF for the roaming data collection service, if the RE-NWDAF rejects the subscription, each rejected subscription is added to the corresponding counter. The measurement can be split into sub-counters per S-NSSAI and per PLMN.

d) It is an integer value

e) DANS.RoamingDataSerSubscriptionRejected

f) NWDAFFunction

g) Valid for packet switched traffic

h) 5GS

##### 5.18.X.4 Number of successful roaming data collection service subscriptions

a) This measurement provides the number of roaming data collection service subscriptions received and accepted by the RE-NWDAF.

b) CC

c) On receiving the subscription by the RE-NWDAF for the roaming data collection service, each accepted subscription is added to the corresponding counter. The measurement can be split into sub-counters per S-NSSAI and per PLMN.

d) It is an integer value

e) DANS.RoamingDataSerSubscriptionAccepted

f) NWDAFFunction

g) Valid for packet switched traffic

h) 5GS

***End of Changes***