**3GPP TSG-SA5 Meeting #162 *S5-254063***

Goteborg, Sweden, 25 - 29 August 2025

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| *CR-Form-v12.3* | | | | | | | | |
| **CHANGE REQUEST** | | | | | | | | |
|  | | | | | | | | |
|  |  | **CR** | **0718** | **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 a new measurement related to the number of roaming data collection service notifications generated by RE-NWDAF | | | | | | | | | |
|  |  | | | | | | | | | |
| ***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 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:*** | | In TS 23.288 (SA2), the “*Nnwdaf\_RoamingData\_Notify service operation*” is specified under “NWDAF Roaming Data” that enables the NWDAF to notify the consumer with the roaming data it subscribed to.  By measuring the number of roaming data collection service notifications generated by RE-NWDAF, the operator can determine the actual workload on NWDAF and take management actions for configuration and resource allocation. | | | | | | | | |
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| ***Summary of change:*** | | A new measurement “Number of notifications related to roaming data collection service generated by RE-NWDAF” is introduced. | | | | | | | | |
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| ***Consequences if not approved:*** | | Operator will not be able to monitor the performance of “*Nnwdaf\_RoamingData\_Notify service operation*” and to take RE-NWDAF management actions for configuration, resource allocation, load balancing and placement purposes. | | | | | | | | |
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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:*** | | S5-254063 was S5-253428 | | | | | | | | |

***Start of First change***

## 5.18 Performance measurements for NWDAF

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

##### 5.18.X.2 Number of notifications related to roaming data collection service generated by RE-NWDAF

a) This measurement provides the number of notifications related to roaming data collection service generated by an RE-NWDAF.

b) CC

c) On sending the notification by the RE-NWDAF in response to the subscription of roaming data collection service from an RE-NWDAF in other PLMN, each sent notification is added to the corresponding counter. The measurement can be split into sub-counters per S-NSSAI and per PLMN.

In the scenario where the H-RE-NWDAF in the HPLMN as service consumer to subscribe to notifications about input data from the V-RE-NWDAF in VPLMN, when the subscription for the roaming data collection service is accepted by the V-RE-NWDAF, the V-RE-NWDAF sends the notification to the H-RE-NWDAF. Each sent notification by V-RE-NWDAF is added to the corresponding counter.

In the scenario where the V-RE-NWDAF in the VPLMN as service consumer to subscribe to notifications about input data from the H-RE-NWDAF in HPLMN, when the subscription for the roaming data collection service is accepted by the H-RE-NWDAF, the H-RE-NWDAF sends the notification to the V-RE-NWDAF. Each sent notification by H-RE-NWDAF is added to the corresponding counter.

d) It is an integer value

e) DANS.RoamingDataSerNotificationGenerated

f) NWDAFFunction

g) Valid for packet switched traffic

h) 5GS

***End of Changes***