**3GPP TSG-SA5 Meeting #162 *S5-254065***

Goteborg, Sweden, 25 - 29 August 2025

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| *CR-Form-v12.3* | | | | | | | | |  |
| **CHANGE REQUEST** | | | | | | | | |  |
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|  |  | **CR** | **0720** | **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 time consumed by the RE-NWDAF to provide roaming data collection service | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Source to WG:*** | China Telecom | | | | | | | | | |
| ***Source to TSG:*** | SA5 | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Work item code:*** | NWDAF\_Ph3-OAM | | | | |  | ***Date:*** | | | 2025-8-15 |
|  |  | | | |  | |  | | |  |
| ***Category:*** | **B** |  | | | | | ***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:*** | | The time consumption of RE-NWDAF providing roaming data collection service needs to be monitored. It reflects how much time is consumed by an RE-NWDAF to prepare and provide the data information. With this measurement, the operators are able to understand the working status of the RE-NWDAF and make correct decisions on whether they need to provide the management actions to optimize the RE-NWDAF service performance. | | | | | | | | |
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| ***Summary of change:*** | | A new measurement “Time consumed by the RE-NWDAF to provide roaming data collection service” is introduced. | | | | | | | | |
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| ***Consequences if not approved:*** | | Operator will not be able to monitor the time consumed by the RE-NWDAF to provide roaming data collection service and to make correct decisions on whether they need to provide the management actions to optimize the RE-NWDAF service performance. | | | | | | | | |
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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:*** | | S5-254065 was S5-253442 | | | | | | | | |

***Start of First change***

## 5.18 Performance measurements for NWDAF

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

##### 5.18.X.5 Time consumed by the RE-NWDAF to provide roaming data collection service

a) This measurement provides the time consumed by the RE-NWDAF to provide the roaming data collection service.

b) DER(n=1)

c) This measurement is obtained by the following method:

the time when the RE-NWDAF sends the notification related to the roaming data collection service subscription to the RE-NWDAF roaming data collection consumer, minus the time when the RE-NWDAF receives the corresponding roaming data collection service subscription from the RE-NWDAF roaming data collection consumer. In the case where there are multiple notifications for single subscription, this measurement is obtained by calculating the time when the RE-NWDAF sends the first notification related to the roaming data collection service subscription to the RE-NWDAF data collection consumer, minus the time when the RE-NWDAF receives the corresponding roaming data collection service subscription from the RE-NWDAF roaming data collection consumer.

d) A real value

e) DANS.RoamingDataSerTimeCons

f) NWDAFFunction

g) Valid for packet switched traffic

h) 5GS.

***End of Changes***