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

Goteborg, Sweden, 25 - 29 August 2025

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| *CR-Form-v12.3* |  |
| **CHANGE REQUEST** |  |
|  |  |
|  |  | **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 |
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| ***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 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:*** | 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***