**3GPP TSG-SA5 Meeting #158 *S5-247210***

**Orlando, USA, 18 - 22 November 2024**

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| *CR-Form-v12.3* | | | | | | | | |
| **CHANGE REQUEST** | | | | | | | | |
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|  | **28.552** | **CR** | **0639** | **rev** | **1** | **Current version:** | **19.1.0** |  |
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| *For* ***[HE](http://www.3gpp.org/3G_Specs/CRs.htm" \l "_blank)******[LP](http://www.3gpp.org/3G_Specs/CRs.htm" \l "_blank)*** *on using this form: comprehensive instructions can be found at  <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:*** | Add new measurements related to the NWDAF data collection when DCCF deployed | | | | | | | | | |
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| ***Source to WG:*** | China Telecom | | | | | | | | | |
| ***Source to TSG:*** | SA5 | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Work item code:*** | NWDAF\_OAM\_Ph2 | | | | |  | ***Date:*** | | | 2024-11-07 |
|  |  | | | |  | |  | | |  |
| ***Category:*** | **B** |  | | | | | ***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)* | |
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| ***Reason for change:*** | | According to the clause 6.2.6 in TS 23.288, the NWDAF data collection may be performed via DCCF, when DCCF is deployed or via NWDAF hosting DCCF. NWDAF may obtain data using Ndccf\_DataManagement\_Subscribe/Nnwdaf\_DataManagement\_Subscribe services operations directly from DCCF or NWDAF hosting DCCF.  By monitoring the amount of data collected by the NWDAF from DCCF or NWDAF hosting DCCF over a period of time, the operators can collect more information on the interaction between the NWDAF and the DCCF deployed, which related to the workload of both NWDAF and DCCF.  The operators can also know whether the data collection from this specific data source is the primary factor influencing the workload of the NWDAF by comparing it with the total amount of data, so as to evaluate and optimize the entire NWDAF data collection. | | | | | | | | |
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| ***Summary of change:*** | | The clause 5.18.5 Measurements related to the NWDAF Data Collection is updated. When DCCF is deployed and used for NWDAF data collection, it is proposed to estimation of the amount of data collected by the NWDAF using DCCF or NWDAF hosting DCCF, | | | | | | | | |
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| ***Consequences if not approved:*** | | Operators cannot get sufficient information to optimize the resource allocated to the NWDAF and to evaluate the impact of deploying NWDAF on the other NFs appropriately. | | | | | | | | |
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| ***Clauses affected:*** | | 5.18.5 | | | | | | | | |
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|  | | **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:*** | | S5-247210 was S5-246748 | | | | | | | | |

5.18.5 Measurements related to the NWDAF Data Collection

#### 5.18.5.X Estimation of the Amount of data collected by the NWDAF via DCCF

a) When DCCF is deployed for NWDAF data collection, the measurement provides the estimation of the accumulated amount of data collected by NWDAF via DCCF or NWDAF hosting DCCF over a period of time. When the NWDAF receives a notification corresponding to the subscription of DataManagement service or a response corresponding to the request of DataManagement\_Fetch service from DCCF or NWDAF hosting DCCF, the estimated amount of data collected is added to the relevant counter.

b) CC

c) This measurement is obtained over a period of time by the following method:

- On receipt of an Ndccf\_DataManagement\_Notify from a DCCF or NWDAF hosting DCCF (See TS 23.288 [59]), each received Ndccf\_DataManagement\_Notify increments the relevant subcounter corresponding to the DCCF/NWDAF hosting DCCF by the estimated amount of the data collected from the received Ndccf\_DataManagement\_Notify in bits.

- On receipt of an Ndccf\_DataManagement\_Fetch\_response from a DCCF or NWDAF hosting DCCF (See TS 23.288 [59]). each received Ndccf\_DataManagement\_Fetch\_response increments the relevant subcounter corresponding to the DCCF/NWDAF hosting DCCF by the estimated amount of the data collected from the received Ndccf\_DataManagement\_Fetch\_response in bits.

d) Each subcounter is an integer value.

e) The measurement name has the form *DANS.DataCollectEstAccAmount.DataSourceID*, wherethe *DataSourceID* identifies the DCCF or NWDAF hosting DCCF. The measurement can be split into sub-counters per S-NSSAI.

f) NWDAFFunction

g) Valid for packet switched traffic

h) 5GS