**3GPP TSG-SA5 Meeting #158 *S5-247209***

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

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| *CR-Form-v12.3* | | | | | | | | |
| **CHANGE REQUEST** | | | | | | | | |
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|  | **28.552** | **CR** | **0636** | **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 from one NF | | | | | | | | | |
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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:*** | | The Data Collection feature permits NWDAF to retrieve data from various data sources (e.g. NF such as AMF, SMF, PCF, UDM and AF; OAM), as a basis of the computation of network analytics (TS 23.288 clause 6.2).  By monitoring the amount of data collected by the NWDAF from a specific data source over a period of time, the operators can know the total amount of data collected by the NWDAF from all data sources over a period of time, which reflects the NWDAF workload. 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:*** | | An estimation of the amount of data collected by the NWDAF from a specific NF is added to Measurements related to the NWDAF Data Collection. | | | | | | | | |
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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:*** | | S5-247209 was S5-246720 | | | | | | | | |

5.18.5 Measurements related to the NWDAF Data Collection

#### 5.18.5.X Estimation of the Amount of data collected by the NWDAF from one NF

a) The measurement provides the estimation of the accumulated amount of data collected by NWDAF from one specific NF over a period of time. When the NWDAF receives a notification corresponding to the subscription of event exposure service or a response corresponding to the request from one specific NF, the estimated amount of data is added to the relevant counter for the specific NF, which is specified by a *DataSourceID*.

b) CC

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

- On receipt of an Nnf\_EventExposure\_Notify from NF (See TS 23.288 [59]), each received Nnf\_EventExposure\_Notify increments the relevant subcounter per data source by the estimated amount of the data provided by the received Nnf\_EventExposure\_Notify in bits.

- On receipt of an Nnrf\_NFDiscovery or Nnrf\_NFManagement response from NRF (See TS 23.288 [59]), each received Nnrf\_NFDiscovery or Nnrf\_NFManagement response increments the relevant subcounter corresponding to the NRF by the estimated amount of the data collected from the received Nnrf\_NFDiscovery or Nnrf\_NFManagement response in bits.

d) Each subcounter is an integer value.

e) The measurement name has the form *DANS.DataCollectEstAccAmount.DataSourceID*, where *DataSourceID* identifies a specific data source NF(See TS 23.288 [59]). The measurement can be split into sub-counters per S-NSSAI.

f) NWDAFFunction

g) Valid for packet switched traffic

h) 5GS