**3GPP TSG-SA WG2 Meeting #143E *<TDoc#>***

**e-meeting, February 24 – March 9, 2021**

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| *CR-Form-v12.1* |
| **CHANGE REQUEST** |
|  |
|  | **23.501** | **CR** | **<CR#>** | **rev** | **<Rev#>** | **Current version:** | **<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 |  |

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|  |
| ***Title:***  | Discover NWDAF for UE related Analytics using UDM |
|  |  |
| ***Source to WG:*** | Ericsson |
| ***Source to TSG:*** | SA2 |
|  |  |
| ***Work item code:*** | eNA\_Ph2 |  | ***Date:*** | <Res\_date> |
|  |  |  |  |  |
| ***Category:*** | **B** |  | ***Release:*** | Rel-17 |
|  | *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-15 (Release 15)Rel-16 (Release 16)Rel-17 (Release 17)Rel-18 (Release 18)* |
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| ***Reason for change:*** | In a multiple NWDAF deployement (incuding selection and re-selection of NWDAFs with overlapping serving areas), make it possible for collecting UE related data from NWDAFs, assure the same NWDAF is used for multiple NWDAF consumers and for an NWDAF consumer to be able to request statistics (Analytics in the past). |
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| ***Summary of change:*** | Introduce how an NF discover an NWDAF that already serves a specific UE.  |
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| ***Consequences if not approved:*** | Not possible to in an effective way collect UE related data, and request statistics in a multiple NWDAF deployment. |
|  |  |
| ***Clauses affected:*** | 6.3.13 |
|  |  |
|  | **Y** | **N** |  |  |
| ***Other specs*** | **x** |  |  Other core specifications  | TS 23.288 CR ...  |
| ***affected:*** |  |  |  Test specifications | TS/TR ... CR ...  |
| ***(show related CRs)*** |  |  |  O&M Specifications | TS/TR ... CR ...  |
|  |  |
| ***Other comments:*** |  |
|  |  |
| ***This CR's revision history:*** |  |

\* \* \* Start of Changes \* \* \* \*

### 6.3.13 NWDAF discovery and selection

#### 6.3.13.1 Using NRF

Multiple instances of NWDAF may be deployed in a network.

The NF consumers shall utilize the NRF to discover NWDAF instance(s) unless NWDAF information is available by other means, e.g. locally configured on NF consumers or via UDM for UE related Analytics if an NWDAF that is already serving a UE is available. The NWDAF selection function in NF consumers selects an NWDAF instance based on the available NWDAF instances.

The following factors may be considered by the NF consumer for NWDAF selection in NRF:

- S-NSSAI.

- Analytics ID(s).

- NWDAF Serving Area information, i.e. list of TAIs for which the NWDAF can provide analytics.

#### 6.3.13.2 Selecting an NWDAF already serving a UE

When selecting NWDAF for UE related Analytics the NF consumer sends Nudm\_UECM\_Get request (NF type 'NWDAF', SUPI) to UDM.

If no NWDAF serves the UE the NF consumer sends a request to NRF as in 6.3.13

\* \* \* End of Changes \* \* \* \*