**3GPP TSG-SA3 Meeting #103-e *S3-211641***

**e-meeting, 17 – 28 May 2021** revision S3-21abcd

**Source: Huawei, HiSilicon, China Mobile**

**Title: Execution Step for Finding the right NF instance serving the UE**

**Document for: Approval**

**Agenda Item: 4.5**

# Decision/action requested

***This contribution proposes to add execution step for test case in TR 33.521***

# References

# Rational

Pre-condition, execution steps and expected results of test case for Finding the right NF instance serving the UE are not complete. Thus, the contribution proposes to add pre-condition, execution steps and expected results for the test case.

# Detailed proposal

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* Start of 1st Change \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

##### 4.2.2 Finding the right NF instance are serving the UE

*Requirement Name*: Finding the right NF instance are serving the UE

*Requirement Reference:* TS 23.288[2], clause 6.2.2.1.

*Requirement Description*: "To retrieve data related to a specific UE, the NWDAF shall first determine which NF instances are serving this UE as stated in table 6.2.2.1-2 unless the NWDAF has already obtained this information due to recent operations related to this UE.

**Table 6.2.2.1-2: NF Services consumed by NWDAF to determine which NF instances are serving a UE**

| **Type of NF instance (serving the UE) to determine** | **NF to be contacted by NWDAF** | **Service** | **Reference in TS 23.502 [3]** |
| --- | --- | --- | --- |
| UDM | NRF | Nnrf\_NFDiscovery | 5.2.7.3 |
| AMF | UDM | Nudm\_UECM | 5.2.3.2 |
| SMF | UDM | Nudm\_UECM | 5.2.3.2 |
| BSF | NRF | Nnrf\_NFDiscovery | 5.2.7.3 |
| PCF | BSF | Nbsf\_Management | 5.2.13.2 |
| NEF | NRF | Nnrf\_NFDiscovery | 5.2.7.3 |

." as specified in TS 23.288 [2], clause 6.2.2.1.

*Threat Reference*: TS 33.926 [4], clause X.Y.

**Test Name:** TC\_NWDAF\_FIND\_NF\_SRVING\_UE

**Purpose:**

Verify that the NWDAF always find a recent NF from operations related to the UE..

**Pre-Conditions:**

Test environment with UE, source AMF, target AMF and UDM. UE, source AMF, target AMF and UDM may be simulated.

The UE is registrated on the source AMF and the UDM, and the NWDAF subscribes analytics A which needs to collect the UE’s information on the source AMF.

**Execution Steps**

The UE sends Registration Request with mobility update to the target AMF.

The tester triggers the NWDAF to subscribe an analytics B which also needs to collect the UE’s information.

**Expected Results:**

The tester captures Namf\_EventExposure\_Notify message from the target AMF to the NWDAF.

**Expected format of evidence:**

Evidence suitable for the interface, e.g., Screenshot containing the operational results.

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* End of 1st Change \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*