**3GPP TSG-SA5 Meeting #142-e *S5-222067rev01***

**e-meeting, 4 - 12 April 2022**

**Source: China Telecom**

**Title: Discussion paper on work packages of FS\_MANWDAF**

**Document for: Endorsement**

**Agenda Item: 6.1**

# 1 Decision/action requested

***The group is asked to discuss and endorse on the proposal.***

# 2 Rationale

According to S5-221500, it is requested to split of the SA-approved WID/SIDs into a complete set of Work Packages (WoPs) based on the objects of the SID/WID.

The objects agreed for SID FS\_MANWDAF are listed as the followings and the work packages is provided based on these objects.

*- Investigate whether the NRM of NWDAF needs to be enhanced to support the logical decomposition of NWDAF and the deployment of multiple NWDAF in a hierarchy/tree with a flexible number of layers/branches, and how;*

*- Investigate and provide the performance management of the NWDAF on the following aspects:*

*1. Interaction aspect, such as quantifying the requests, subscriptions, responses and notifications received and/or generated by NWDAF.*

*2. Data collection aspect, such as quantifying data collection.*

*3. Output KPI aspect, such as measuring response time and training times, indicating model accuracy.*

*4. Efficiency aspect, such as estimating the usage of compute resource for treating the request/subscription, etc.*

# 3 Detailed proposal

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| **Item** | **WoP description** |
| **Intelligence and Automation** | |
| **X** | **Study on Enhancement of the management aspects related to NWDAF(China Telecom) (FS\_MANWDAF)(SP-211435)** |
| WoP#X.1 | Investigate whether the NRM of NWDAF needs to be enhanced to support the logical decomposition of NWDAF and the deployment of multiple NWDAF in a hierarchy/tree with a flexible number of layers/branches, and how; |
| WoP#X.2 | Investigate and provide the performance management of the NWDAF on the following aspects:  1.Interaction aspect, such as quantifying the requests, subscriptions, responses and notifications received and/or generated by NWDAF.  2.Data collection aspect, such as quantifying data collection.  3.Output KPI aspect, such as measuring response time and training times, indicating model accuracy.  4.Efficiency aspect, such as estimating the usage of compute resource for treating the request/subscription, etc. |