**3GPP TSG-SA5 Meeting #145-e *S5-*** ***225409rev3***

**e-meeting, 15 - 24 August 2022**

**Source: China Unicom**

**Title: Update potential solution for management requirement between MOP-NM and MOP-SR-DM**

**Document for: Approval**

**Agenda Item: 6.8.6**

# 1 Decision/action requested

***In this box give a very clear / short /concise statement of what is wanted.***

# 2 References

[1] 3GPP TR 28.835 v0.3.0: “Management Aspects of 5G MOCN Network Sharing Phase2”

# 3 Rationale

For supporting the POP’s network operation, MOP-NM needs to sent different operator-data to each POP. This key issue was approved in TR 28.835[1].

It was approved to update potential solution for management requirement between MOP-NM and MOP-SR-DM [1]. This contribution proposes to add operator-instance filtering capability for some configuration and alarm operations.

# 4 Detailed proposal

This contribution proposes to make the following changes in [1].

***1st Change***

# 2 References

The following documents contain provisions which, through reference in this text, constitute provisions of the present document.

- References are either specific (identified by date of publication, edition number, version number, etc.) or non‑specific.

- For a specific reference, subsequent revisions do not apply.

- For a non-specific reference, the latest version applies. In the case of a reference to a 3GPP document (including a GSM document), a non-specific reference implicitly refers to the latest version of that document *in the same Release as the present document*.

[1] 3GPP TR 21.905: "Vocabulary for 3GPP Specifications".

[2] 3GPP TS 28.541: "5G Network Resource Model (NRM); Stage 2 and stage 3".

[3] 3GPP TS 28.552: "5G performance measurements".

[4] 3GPP TS 32.130: "Network sharing; Concepts and requirements".

[5] 3GPP TS 28.533: " Architecture framework".

[6] 3GPP TS 28.622: " Generic Network Resource Model (NRM) Integration Reference Point (IRP); Information Service (IS) ".

[7] 3GPP TS 28.658: "Telecommunications management; Evolved Universal Terrestrial Radio Access Network (E-UTRAN) Network Resource Model (NRM) Integration Reference Point (IRP): Information Service (IS)".

[8] 3GPP TS 28.532: " Management and orchestration; Generic management services" .

***2nd Change***

### 5.3.2 Potential solution

1. Individual PerfMetricJob instance can be created and configured for each POP.
2. The following attribute pLMNId can be added to PerfMetricJob IOC defined in TS 28.622[6] and used to identify the POP.

The optional attribute pLMNId can be used to establish operator-instance of PerfMetricJob IOC. The attribute performanceMetrics and optional attribute pLMNId together define the performance metrics to be produced according to individual POP’s requirements for MOCN scenario.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Attribute name | S | isReadable | isWritable | isInvariant | isNotifyable |
| pLMNId | CO | T | T | F | T |

The attribute constraint of pLMNId shall be added as follows:

|  |  |
| --- | --- |
| Name | Definition |
| pLMNId | This attribute should be supported, when the MnS producer supports the PLMN specific jobs for MOCN scenario. |

The definition of pLMNId can see in the following table.

| Attribute Name | Documentation and Allowed Values | Properties |
| --- | --- | --- |
| pLMNId | This parameter defines the information of a PLMN identification and is used to distinguish operator granularity. It is defined in TS 28.658[7].  allowedValues: N/A | type: PLMNId  multiplicity: 1  isOrdered: N/A  isUnique: N/A  defaultValue: None  isNullable: False |

1. The getMOIAttribute operation defined in TS 28.532[8] shall have capability to filter opetrator-specific managed objects.

The optional parameter "filter" shall support operator-instance filtering. The pLMNId can be one filter criteria, which is applied to the objects in the subtree of baseObjectInstance.

1. The getAlarmList operation defined in TS 28.532[8] shall have capability to filter opetrator-specific alarms.

The optional parameter "filter" shall support operator-instance filtering. The pLMNId can be one filter criteria, which is applied to the objects selected by the "baseObjectInstance" parameter. MnS producer shall apply pLMNId on AlarmInformation instances in AlarmList when constructing its output parameter AlarmInformationList.

***End of Changes***