**3GPP TSG-SA5 Meeting #142-eS5-222511rev1**

**e-meeting, 17 - 26 January 2022**

**Source: Alibaba**

**Title: Update use case 5.2**

**Document for: Approval**

**Agenda Item: 6.5.22**

# 1 Decision/action requested

***The group is asked to agree the text in detailed proposal.***

# 2 References

Not applicable

# 3 Rationale

This contribution proposes to update use case 5.2 – Exposure of MnS for monitoring QoS of video application.

# 4 Detailed proposal

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| **1st change** |

## 5.2 Exposure of MnS for monitoring QoS of video application

### 5.2.1 Description

A use case of exposure of MnS for monitoring QoS of video application can be described as follows:

1. A live concert with high-resolution video application service is provided with service provider A (i.e. associate to eMnS consumer). A local hosting network (e.g. SNPN) is available and provides localized services for high-resolution video service of the concert. The local hosting network is managed by the service provider A. The high-resolution video streaming service of the live concert is available from both the local hosting network and PLMN. Service provider A and the provider of PLMN (i.e. associate to eMnS provider) are two different parties.

2. The service provider A of the local hosting network can have an offer from the Operator of PLMN before identifying the correct MnS for exposure through BSS (e.g. by using Product Catalog). The BSS may obtain the information of MnS that is allowed to be exposed using a MnS service for exposure provided by OSS. The contract may contain the agreement on the exposure of MnSs for consuming certain management MnS related to QoS. According to the contract, the service provider A can have the permission to use the MnS for consuming certain performance MnS related to QoS for the PLMN. The performance MnS can be related to NR and 5GC, e.g. Average DL UE throughput in gNB. For the hosting network, the service provider may have contract with the Network Operator which can offer network management service for the hosting network. The network management service may be offered by a management system that belongs to a service platfrom of the Network Operator. Due to the contract, the service provider can access the management system directly without going through BSS.

3. Once the offer has been accepted, the corresponding exposure governance management service within the 3GPP management system (of the Operator of PLMN) is configured with permission rule through the interface between BSS and OSS. The permission rule defines that the provider of the local hosting network can have the right to access certain management MnS regarding QoS.

4. Through obtaining the measurement MnS using exposure capability, the provider of the local hosting network can determine the situation when PLMN cannot support the high-resolution video service with satisfied QoS. In this case, the service provider A can notify its customers about the local hosting network that may improve the QoS of the high-resolution video application.

### 5.2.2 Issue and gaps

Gap:

The definition and the format of the permission rule for the network management capability exposure regarding NR and 5GC related performance MnS is not specified in existing 3GPP management system.

Whether and how to publish MnS which can be exposed to externals to a suitable MnS service producer for the exposure of performance MnS regarding NR and 5GC is not specified in existing 3GPP management system.

Whether and how to expose MnS directly from OSS is not specified in existing 3GPP management system.

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| **End of changes** |