**3GPP TSG-SA5 Meeting #143e S5-223352rev1**

e-meeting, 9 - 17 May 2022

**Source: China Unicom**

**Title: Add Concepts and overview**

**Document for: Approval**

**Agenda Item: 6.5.13**

# 1 Decision/action requested

***The group is asked to approve the proposal.***

# 2 References

[1] 3GPP TR 28.835 v0.1.0: “Management Aspects of 5G MOCN Network Sharing Phase2”

# 3 Rationale

This pCR provides the concepts and overview for scope in [1].

# 4 Detailed proposal

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

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| **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 28.522: "5G performance measurements".

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

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| **2nd Change** |

# 4 Concepts and overview

5G network sharing, especially the 5G MOCN scenario, is essential to save construction costs for network operators. So far, requirements of configuration, management authority and performance measurement for network sharing have been covered in TS 32.130[4]. The NRM and part of performance measurement for 5G MOCN network sharing have been defined in TS 28.541 and TS 28.552. With the deployment and operation of 5G MOCN network sharing, more and more new detailed management requirements need be investigated for 5G MOCN network sharing. For example, preventing data modification by MOP-NM and ensuring data fairness per POP, MOP-NM needs to get different data from MOP-SR-DM, and put different data to different POP-NM. The performance measurement in TS 28.552[3] cannot fully evaluate the network performance of 5GMOCN network sharing.

To enhance the sharing mechanism, the present document studies on management aspects of 5G MOCN network sharing, including potential requirements, impact on interaction between MOP and POP/NEP, and management architecture, and more potential performance measurements in management system.

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| **End of changes** |