**3GPP TSG-SA5 Meeting #142-e *S5-222356rev1***

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

**Source: China Unicom**

**Title: Add key issue performance measurements without PLMN ID at NRcellCU**

**Document for: Approval**

**Agenda Item: 6.5.13**

# 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 v0.0.0: “Management Aspects of 5G MOCN Network Sharing Phase2”

# 3 Rationale

In TS 28.541, the NRCellCU IOC with pLMNInfoList attribute can naturally distinguish PLMN granularity. However, some performance indicators defined in TS 28.552 that do not contain PLMN information. These performance meaurements cannot be collected from one NRCellCU instance. It was approved to study the performance measurements without PLMN ID at NRcellCU.

# 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 28.522: "5G performance measurements".

***2nd Change***

## 4.Y Issue #Y: Performance measurements without PLMN ID at NRCellCU

### 4.Y.1 Description

In TS 28.541[2], the NRCellCU IOC with pLMNInfoList attribute can naturally distinguish PLMN granularity. However, some performance measurements that donot contain PLMN information are collected at NRCellCU in TS 28.552[3]. These measurements, which are based on the message without PLMN Id information, are inappropriate to becollected from NRCellCU. For example, the NRCellCU which distinguishs PLMN granularity cannot collect RRC.ConnEstabAtt and RRC.ReEstabAtt (See TS 28.522 [3]) measurements.

For 5G MOCN network sharing, some potential solutions need to be studied to support above performance measurements without PLMN ID.

***End of Changes***