**3GPP TSG-SA5 Meeting #156 S5-244792**

**Maastricht****, The Netherlands, 19 - 23 August 2024**

**Source: China Unicom**

**Title: pCR TR 28.874 Add potential solution for MBS broadcast service management**

**Document for: Approval**

**Agenda Item: 6.19.15**

# 1 Decision/action requested

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

# 2 References

[1] 3GPP draft TR 28.874: " Study on management aspects of NTN phase 2 v0.2.0".

[2] SP-231733: " New SID on management aspects of NTN phase 2".

# 3 Rationale

This contribution proposes to add use case of the draft TR 28.874 based on SP-231733[2].

# 4 Detailed proposal

It proposes to make the following changes to the draft TR 28.874[1]

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| **1st Change** |

## 5.2 Management for mobility coordination

5.2.3.3 Potential solutions

5.2.3.3.1 Potential solution #<1>: Configuring small MBS service area in NTN

RAN has discussed the MBS broadcast service for NR NTN system. RAN assumes that the MBS Service Area Information defined by a list of NR-CGI or a list of TAI could also be applied for NTN system. Besides that, for the case the intended service area is small than a cell. Following are the proposed solutions to support above requirements based on existing NRM fragment in TS 28.541 [x].

* Attribute "MbsSmallArealist" can be defined under MbsServiceArea IOC (currently only configure a list of NR-CGI or a list of TAI for NTN and TN), to indicate a geographical area represented by a (set of) referenceLocation and radius or by a polygon.

Note：the new geographical area description could be considered for intended MBS service area, the detailed format can be aligned with the area broadcast in the Uu link, which is pending to RAN.

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| **End of Change** |