**3GPP TSG-SA5 Meeting #158 *S5-247157***

Orlando, USA, 18 - 22 November 2024

**Source: CATT, China Unicom**

**Title: pCR TR 28.874 add conclusion and recommendations**

**Document for: Approval**

**Agenda Item: 6.19.15**

# 1 Decision/action requested

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

# 2 References

[1] 3GPP TR 28.874-110: " Study on management aspects of NTN – Phase 2"

[2] SP-231733: "New SID: Study on Management Aspects of NTN Phase 2"

# 3 Rationale

*The Study on management aspects of NTN – Phase [1] is nearing its conclusion. The proposal is to add content for Clause 6, which will include conclusions and recommendations.*

# 4 Detailed proposal

***1st change***

6 Conclusions and recommendations

The present technical report has identified use cases, requirements, and solutions for 3GPP management system to support the integration of satellite into 3GPP network (including the 5GC/EPC and NG-RAN/E-UTRAN). Clause 4 described concepts, backgroud, overview and management relationship between 3GPP management system and regenerative satellite components. Corresponding management capabilities were identified for satellite access by considering a wide range of relevant use cases along with corresponding potential requirements and possible solutions as documented in clause 5. In clause 5, around 12 use cases, along with their corresponding potential requirements and possible solutions have thus far been documented.

Moving on towards the normative specification development phase, it is recommended to consider the following aspects for normative work:

* Specify management requirement, use case and solution to support connections and associations between satellite and ground systems
* Specifying management requirement, use case and solution to support enhancement for NTN-TN and NTN-NTN mobility coordination
* Specifying management requirement, use case and solution to support Store and Forward (S&F) satellite operation
* Specifying management requirement, use case and solution to support UE-Satellite-UE communication
* Specifying management requirement, use case and solution to support secure connections in a non-terrestrial network

NOTE: The normative phase depends on the progress in 3GPP RAN WGs and SA2 WG and may require cooperation with them.

***End of changes***