3GPP TSG SA WG5 Meeting #158 S5-246937

Orlando, Florida, USA 18 - 22 November 2024

**Source: Huawei**

**Title: Evaluation and conclusion for satellite charging topic 2**

**Document for: Approval**

**Agenda Item: 7.5.1**

# 1 Discussion

***This is a pCR to provide the Evaluation and conclusion for satellite roaming charging in TR 28.846.***

# 2 References

[1] 3GPP TR 28.846: "Study on charging aspects of satellite access Phase 3".

# 3 Rationale

This pCR proposes to introduce the Evaluation and conclusion for satellite roaming charging.

# 4 Detailed proposal

Propose to incorporate the following change into the TR 28.846 [1].

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| **First change** |

### 6.2.5 Evaluation

#### 6.2.5.1 Solutions evaluation for Key issue #2.1

The solution #2.1 addresses Key issue #2.1, using V-SMF/H-SMF to provide the charging information for satellite backhaul charging and satellite access charging in roaming cases, with the required charging information (e.g. Satellite backhaul category, GEO Satellite ID) specified in the TS 32.255 [8]. No extension to the existing charging mechanism.

NOTE: The roaming charging for the Regenerative payload satellite architecture depends on the SA2 system and architecture enhancement, which is outside the scope of this TR.

### 6.2.6 Conclusion

The solution #2.1 is the only solution and therefore recommended into the normative work with the clarification in the TS 32.255 [8].

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| **End of change** |