**3GPP TSG-SA5 Meeting #157 *S5-245914***

Hyderabad, India, 14 - 18 October 2024

**Source: Ericsson**

**Title: Clarification of topic 2 use cases**

**Document for: Approval**

**Agenda Item: 7.5.1**

# 1 Decision/action requested

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

# 2 References

[1] 3GPP TS 28.846 Study on charging aspects of satellite access phase 3

# 3 Rationale

Update of the use cases to use the business roles defined.

# 4 Detailed proposal

This document proposes the following changes in TR 28.846 [1].

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| **First change** |

6.2.1.1 Use Case #1.1: MNO’s subscriber roam into another MNO

This use case focuses on visited MNO and home MNO business scenario.

A subscriber (identified by the UE) has a subscription with a home MNO (i.e. HPLMN), the MNO has a roaming agreement with the visited MNO (i.e. VPLMN).

When the UE has roamed to the coverage of the visited MNO, it will as an inbound roamer, access the network provided by the visited MNO. The visited MNO provides the satellite service access and connectivity for the UE.

When the UE moves back to the coverage of home MNO or other MNO, the MNO provides the service access and connectivity for the UE based on the network selection policy, which is described in the TR 22.822[6].

For the retail part the charging party and charged party can be:

- Charged party: MNO subscriber

- Charging party: home MNO

For the wholesale part the charging party and charged party can be:

- Charged party: home MNO

- Charging party: visited MNO

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| **Second change** |

6.2.1.2 Use Case #1.2: MNO’s subscriber roam into another MNO

This use case focuses on home MNO and visited MNO business scenario.

An SCC has a subscription with the home MNO, the home MNO has a roaming agreement with the visited MNO.

When the SCC (identified by the UE) has moved to where it has coverage of both MNOs, it may based on the network selection policy access the visited MNO, as an inbound roamer. The visited MNO provides service access and connectivity for the SCC.

For the retail part the charging party and charged party can be:

- Charged party: SCC

- Charging party: home MNO

For the wholesale part the charging party and charged party can be:

- Charged party: home MNO

- Charging party: visited MNO

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| **End of change** |