**3GPP TSG-SA5 Meeting #144-e *S5-224208***

**e-meeting, 27 June - 1 July 2022**

**Source: Ericsson**

**Title: Adding solution in clause 7.2 using roaming charging profile for triggers**

**Document for: Approval**

**Agenda Item: 7.5.3**

# 1 Decision/action requested

**Include the proposed changes in TR 28.827.**

# 2 References

[1] 3GPP TR 28.827: "Study on 5G charging for additional roaming scenarios and actors"

# 3 Rationale

Adding solution in clause 7.2 using roaming charging profile for triggers, since if the roaming charging profile is to be used for this key issue the vSMF must be able to trigger or allowing an update of the roaming charging profile.

# 4 Detailed proposal

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| **First change** |

#### 7.2.4.x Solution #2.x: Roaming charging profile update

##### 7.2.4.x.1 General

A possible solution for key issue #2e covering requirements REQ-CH\_CVTOH-01, and REQ-CH\_CVTOH-02, trigger handling between VPLMN and HPLMN, is to use the roaming charging profile and allow it to be updated.

##### 7.2.4.x.2 Reference architecture

The reference architecture would be the same as in solution #2.2 clause 7.2.4.2.

##### 7.2.4.x.3 Message flows

The Roaming charging profile may be requested at any time by the V-SMF. This means that the V-SMF could include it in every charging data request, allowing the V-SMF, V-CHF or H-CHF to change it:

1. The V-SMF includes Roaming charging profile in a Charging data request [Update] to V-CHF

2. Changed by V-CHF and transferred to vSMF

3. Transferred from V-SMF to hCHF

4. Changed by H-CHF and transferred to V-SMF

5. Applied in V-SMF

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| **End of changes** |