**3GPP TSG-SA5 Meeting #143-e *S5-223718***

e-meeting, 9 - 17 May 2022

**Source: Ericsson**

**Title: Solution for issue 2e trigger handling between CHFs**

**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

Two new solutions for issue 2e trigger handling between CHFs: using a charging profile and using trigger handling through V-CHF.

# 4 Detailed proposal

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| **First change** |

#### 7.1.4.x Solution #2.x: Using a charging profile for trigger handling

##### 7.1.4.x.1 General

A possible solution for key issue #2c, trigger handling between visited CHF and home CHF, would be to use roaming charging profile. This handling would have to be extended to cover AMF and SMSF.

##### 7.1.4.x.2 Reference architecture

The reference architecture would be the same as in solution #2.1 clause 7.2.4.1 or solution #2.2 clause 7.2.4.2.

#### 7.1.4.y Solution #2.y: Using trigger handling through V-CHF

##### 7.1.4.y.1 General

A possible solution for key issue #2c, trigger handling between visited CHF and home CHF, is to require that all charging data request and responses to and from the H-CHF are sent first to the V-CHF. This would allow the V-CHF to influence the trigger setting towards the SMF or other NFs.

##### 7.1.4.y.2 Reference architecture

The reference architecture would be the same as in solution #2.1 clause 7.2.4.1.

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| **End of changes** |