**3GPP TSG-SA5 Meeting #143-e *S5-223122***

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, is to use AMF charging profile and roaming charging profile. This handling would have to be extended to cover also 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 triggers are proxied through the V-CHF from the H-CHF which 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** |