**3GPP TSG-SA5 Meeting #143-e *S5-223114***

e-meeting, 9 - 17 May 2022

**Source: Ericsson**

**Title: Adding AMF solution to clause 7.2**

**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 a solution to convey charging information from visited MNO to home MNO were visited AMF (CTF) communicating with both H-CHF and V-CHF.

# 4 Detailed proposal

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| **First change** |

#### 7.2.4.2 Solution #2.2: Visited AMF (CTF) communicating with both H-CHF and V-CHF

##### 7.2.4.x.1 General

A possible solution for key issues #2h and #2i, retail charging for 5G connection and mobility provided to the home MNO’s user by the visited MNO.

The visited CHF does converged charging for interconnect, while the home CHF does converged charging for the subscriber.

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



Figure 7.2.4.x.2-1: Roaming 5G connection and mobility scenario in service-based interface representation



Figure 7.2.4.x.2-2: Roaming 5G connection and mobility scenario in reference point representation

##### 7.2.4.2.3 Message flows

This would be same as TS 32.256 [9] clause 5.2.2.5.

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| **End of changes** |