**3GPP TSG-SA5 Meeting #148e *S5-233318***

Electronic meeting, Online, 17 -25 April 2023

**Source: Ericsson LM**

**Title: Rel-18 pCR 28.827 Updating the conclusion**

**Document for: Approval**

**Agenda Item: 7.5.2**

# 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

Updating the conclusion for the study on 5G charging for additional roaming scenarios and actors.

# 4 Detailed proposal

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| **First change** |

# 8 Conclusions and recommendations

Local Breakout has been present in the standards for a long time but a solution for charging has been missing until now. The deployment of Network Slices, Edge Computing and different use cases that need local traffic routing have created the necessity of addressing all the gaps for deployments of local breakout. In this TR some use cases have been covered and some solutions provided.

Considering the different solutions to the use cases, the solutions where the SMF communicates with both the V-CHF and H-CHF at the same point in time i.e., solutions #2.2 (Visited NF (CTF) communicating with both H-CHF and V-CHF) and #4.1 (Additional actor has CHF and does retail charging), are preferred. This since these are the only solution that can be included in the time frame of Rel-17 and that covers the needed requirements. The focus for the specified solution will be to limit and minimize the impact on and to the CHF and SMF.

Allowing the visited MNO to support also CDR generation without needing to interact with the home MNO needs to be described i.e., solutions #1.1, #1.2, and #1.5.

The possibility to have CHF-to-CHF communication i.e., solution #2.1, #4.3 and #5.1. Using the current Nchf\_ConvergedCharging service will minimize the impact on the V-SMF as well as the H-CHF i.e., solution #2.6.

Allowing the update of Roaming charging profile as well as its handling needs to be better described, solutions #1.7, #1.8, #1.11, and #2.12.

Editor’s note: Other solutions may be added depending on further study.

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| **End of changes** |