**3GPP TSG-SA5 Meeting #146Bis-e *S5-231131***

Electronic meeting, 16 - 19 January 2023

**Source: Ericsson**

**Title: Additional evaluation of solutions for clause 7.4**

**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 evaluations of solutions for clause 7.4 covering convey charging from an MNO to an additional actor.

# 4 Detailed proposal

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| **First change** |

### 7.4.5 Evaluation

Solutions #4.1, #4.2, and #4.3 all solves key issues #4a and #4b and covers requirements REQ-CH\_CVTOA-01, and REQ-CH\_CVTOA-02. Solution #4.3 solves more key issues and covers more requirements, #4.1 is partly supported in the scope of 5G connectivity charging, and #4.2 is outside the current scope of 3GPP SA5. Since the solution #4.1 is only partly supported by the current specification it would have to be used together with solution #4.2 to get full support. Solution #4.2 assumes an operator or vendor specific interface.

Solutions #4.4 and #4.5 both solves key issues #4d and require solution #4.3. One solution could be to initially allow the CHF to be a consumer of the Nchf\_ConvergedCharging service and if required by other features later introduce another service if required by those.

Solutions #4.6 and #4.7 both solves key issues #4c and require solution #4.3. The NRF will only in some cases have knowledge of the A-CHF i.e., when the additional actor to also have an NRF, this means that for solution #4.3 both solution #4.6 and #4.7 could be supported. Where the solution #4.6 could be used when the additional actor have an NRF.

Editor’s Note: Further evaluations are FFS.

Editor’s Note: Scope of the additional actors that are applicable (e.g., only those having a CHF) are FFS.

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| **End of changes** |