**3GPP TSG-SA5 Meeting #146Bis-e *S5-231098rev1***

**Electronic meeting, 16 - 19 January 2023**

**Source: MATRIXX Software**

**Title: pCR TR 32.847 Add a solution for Key Issue #x - reuse Nchf\_ConvergedCharging**

**Document for: Approval**

**Agenda Item: 7.5.1**

# 1 Decision/action requested

**This pCR is to a** **add solution for Key Issue #x - reuse Nchf\_convergedcharging for SBI between UE CHF and Tenant CHF**

# 2 References

[1] 3GPP TR 32.847 "Study on Charging Aspects for Network Slicing Phase 2"

# 3 Rationale

This pCR is to add a solution for Key Issue #x - reuse Nchf\_ConvergedCharging for SBI between UE CHF and Tenant CHF.

# 4 Detailed proposal

The following changes are proposed to be incorporated into TR 32.847 [1]

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| **First change** |

### 6.x.2 Solution #x.1 Reusing Nchf\_ConvergedCharging service between UE CHF and Tenant CHF

#### 6.x.2.1 General description

This solution is based on the re-use of Nchf\_ConvergedCharging service between UE CHF and Tenant CHF to address the Key Issue #x.

UE CHF is a new "NF service consumer" (i.e. embedding a CTF) for Nchf\_ConvergedCharging service exposed by NS Tenant (the NF service producer).

Nchf\_ConvergedCharging service is enhanced to simultaneously include both UE level and NS level charging information.

#### 6.x.2.2 Architecture description



Figure 6.x.2.2-1: UE CCS – Tenant CCS distributed architecture

#### 6.x.2.3 Flow description

The flows between UE CHF - Tenant CHF are described in clauses 6.3.2.3, 6.6.2.3, 6.6.3.3, 6.6.4.3, 6.7.1.3 and 6.7.2.3, with "ChS Charging service Request" replaced by the Nchf\_ConvergedCharging service enhanced for UE CHF -Tenant CHF.

In the flows, in addition to the S-NSSAI, a "Tenant Id" is considered for shared NS scenarios.

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| **End of change** |