**3GPP TSG-SA5 Meeting #146Bis-e *S5-231093rev1***

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

**Source: MATRIXX Software**

**Title: pCR TR 32.847 Solve Editor's Note in solution #7.2**

**Document for: Approval**

**Agenda Item: 7.5.1**

# 1 Decision/action requested

**This pCR is to Solve Editor's Note in solution#7.2**

# 2 References

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

# 3 Rationale

This pCR is to Solve Editor's Note in solution #7.2.

Editor’s note: the details of the interaction between UE CHF and Tenant CHF is ffs.

# 4 Detailed proposal

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

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| **First change** |

#### 6.7.2.3 Flow description

The following figure 6.7.2.3-1 describes the high level charging procedure for NS actual duration based on the PDU session establishment from the SMF.



Figure 6.7.2.3-1: NS actual duration based on the SMF reporting

1. NS actual duration charging per S-NSSAI covered by Tenant CCS. NS duration charging is configurated in the UE CCS and Tenant CCS, including the relationship between S-NSSAI/User ID and Tenant ID, etc.

2. Steps according to 3GPP TS 32.255 [9] clause 5.2.2.2.2 for individual UE charging covered by UE CCS, including the PDU session establishment and PDU Session release.

2ch-a. SMF determinates to trigger charging service request to CHF (UE CCS) because the UE PDU session establishment and UE PDU session release of the S-NSSAI for the tenant.

2ch-b. CHF (UE CCS) generates the UE CDR.

2ch-c. CHF (UE CCS) provides appropriate charging data response.

3ch-a. CHF (UE CCS) reports to CHF (Tenant CCS) each received Charging Data Request related to PDU session establishment and PDU session release for update of PDU sessions of the S-NSSAI for the tenant.

3ch-b. Charging service request to Tenant CCS with S-NSSAI, UE PDU session charging information, and generate the CDRs. The billing domain can analysis the charging information in the CDRs to get the NS actual duration.

3ch-c. CHF (Tenant CCS) provides appropriate charging data response.

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| **End of change** |