**3GPP TSG-SA5 Meeting #145-e *S5-225126rev3***

**e-meeting, 15 - 24 August 2022**

**Source: MATRIXX Software**

**Title: pCR TR 32.847 New NSACF (CTF) - NS quota management solution for Key issue#1**

**Document for: Approval**

**Agenda Item: 7.5.1**

# 1 Decision/action requested

**This pCR is to** **introduce a New NSACF (CTF) - NS quota management solution for Key issue#1**

# 2 References

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

# 3 Rationale

This pCR is to introduce a New NSACF (CTF) - NS quota management solution for Key issue#1 combining solutions #1.1 and 1.3.

# 4 Detailed proposal

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

|  |
| --- |
| **First change** |

### 6.1.x Solution#1.x New NSACF (CTF) – NS\_quota management by CCS

#### 6.1.x.1 General Description

This solution combines solution#1.1 and solution#1.3 based on Network Slice quota management between the CHF and the NSACF, session based charging and intermediate thresholds.

The general description is the same as clause 6.1.1.1, with the following differences:

* the "NS Reg UEs Quota limit" is below the "max Nb of Reg UEs";

The NSACF is configured at provisioning of the network slice, with "max Nb of Reg UEs" and intermediate "Nb of Reg UEs" thresholds below the "max Nb of Reg UEs" for triggering the CHF.

NS\_quota of "Nb of Reg UEs" for S-NSSAI is determined by CCS: either set to the NSACF configured "max. Nb of Reg UEs" value, or to a higher value.

* during the charging session, the CHF may provide new intermediate thresholds which override existing ones, as described in solution #1.3, The thresholds for termination of solution #1.3 corresponds to "NS Reg UEs Quota limit".

#### 6.1.x.2 Architecture Description

Same architecture as clause 6.1.2.4.

#### 6.1.x.3 Flow description

The flow and steps are similar as in clause 6.1.3.5 apply with CCS control of "NS Reg UEs Quota limit".

|  |
| --- |
| **End of changes** |