**3GPP TSG-SA5 Meeting #145-e *S5-225401rev1***

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

**Source: MATRIXX Software**

**Title: pCR TR 32.847 Solve Editor’s Notes on solution#6.2**

**Document for: Approval**

**Agenda Item: 7.5.1**

# 1 Decision/action requested

**This pCR is to Solve Editor’s Notes on solution#6.2**

# 2 References

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

[2] 3GPP TS 23.288: "Architecture enhancements for 5G System (5GS) to support network data analytics services".

# 3 Rationale

This pCR is to Solve Editor’s Notes on solution#6.2.

The following set of Analytics of Table 7.1-2 of 3GPP TS 23.288 [2] are not relevant for criteria at "Network Slice" level:

* NF Load information (NF level)
* Network Performance information (Area of interest, RAN via OAM)
* UE mobility information (UE level)
* UE Communication information (UE level)
* Expected UE behavioural parameters (UE level)
* UE Abnormal behaviour information (UE level)
* User Data Congestion information (Area of Interest)
* QoS Sustainability (Area of Interest)
* Session Management Congestion Control Experience (SMF level)
* Redundant Transmission Experience (SMF level)
* WLAN performance (WLAN level)
* DN Performance (DN level)
* Dispersion

The "Dispersion" Analytics of Table 7.1-2 of 3GPP TS 23.288 [2] can be proposed : data volume and transactions dispersion in a slice.

# 4 Detailed proposal

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

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| **First change** |

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#### 6.6.3.1 General description

This solution addresses the Key Issue#6 for REQ-NSCH-01, and REQ-NSCH-11 potential requirements and is similar as solution#6.1, where the NWDAF is used instead of Mns Producer for NS-Tenant Charging information.

The "Dispersion" Analytics of Table 7.1-2 of 3GPP TS 23.288 [12] are used for data volume and transactions dispersion in a slice.

The following set of Analytics of Table 7.1-2 of 3GPP TS 23.288 [12] are not relevant for criteria at "Network Slice" level:

- NF Load information (NF level)

- Network Performance information (Area of interest, RAN via OAM)

- UE mobility information (UE level)

- UE Communication information (UE level)

- Expected UE behavioural parameters (UE level)

- UE Abnormal behaviour information (UE level)

- User Data Congestion information (Area of Interest)

- QoS Sustainability (Area of Interest)

- Session Management Congestion Control Experience (SMF level)

- Redundant Transmission Experience (SMF level)

- WLAN performance (WLAN level)

- DN Performance (DN level)

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| **Next change** |

#### 6.6.3.3 Flow description

The flows are the same as:

* Figure 6.6.2.3-1: UE PDU session converged Charging influenced by Network slice converged charging
* Figure 6.6.2.3-2: UE Registration converged Charging influenced by Network slice converged charging

With the difference the CEF (consumer of the NWDAF) is used for steps 1ch and 2ch, instead of MnS Producer/CEF for the purpose of NS charging collection of S-NSSAI charging information (KPIs...). Instead of NSM charging information and NSPA charging information, analytics which could be obtained from NWDAF are those of Table 6.2.1.3-1 in 3GPP TS 28.201[4] and "max Nb of UEs" is assumed as known by the NS Tenant CCS.

Additional "Dispersion" NWDAF Analytics of Table 7.1-2 of 3GPP TS 23.288 [12] is also a candidate to serve as criteria.

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| **End of changes** |