**3GPP TSG-SA5 Meeting #148e *S5-233377***

Electronic meeting, Online, 17-25 April 2023

**Source: MATRIXX Software**

**Title: pCR 28.203 Introduce charging principles**

**Document for: Approval**

**Agenda Item: 7.4.1**

# 1 Decision/action requested

**This pCR is to introduce charging principles.**

# 2 References

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

[2] 3GPP TS 28.203 "Charging management; Network Slice Admission Control charging in the 5G System (5GS); Stage 2".

# 3 Rationale

This pCR is to introduce charging principles.

# 4 Detailed proposal

The following changes are proposed to be incorporated into TS 28.203 [2]:

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| **First change** |

## 3.3 Abbreviations

For the purposes of the present document, the abbreviations given in 3GPP TR 21.905 [1] and the following apply. An abbreviation defined in the present document takes precedence over the definition of the same abbreviation, if any, in 3GPP TR 21.905 [1].

3GPP 3rd Generation Partnership Project

5GS 5G System

NSACF Network Slice Admission Control Function

PDU Protocol Data Unit

S-NSSAI Single Network Slice Selection Assistance Information

UE User Equipment

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| **Next change** |

# 5 Network Slice Admission Control charging principles and scenarios

## 5.1 Network Slice Admission Control charging principles

### 5.1.1 General

The charging functions specified for Network Slice Admission Control charging, are based on following functionalities supported by NSACF specified in 3GPP TS 23.501 [3]:

- monitoring and controlling the number of registered UEs per network slice;

- monitoring and controlling the number of established PDU Sessions per network slice.

In the present document, "Number of registered UEs per network slice" or "Number of UEs per network slice " refer to simultaneous number of UEs registered per network slice, and "Number of established PDU Sessions" or "Number of PDU Sessions" refer to simultaneous number of PDU Sessions established per network slice.

### The network slice is identified by a S-NSSAI.5.1.2 Requirements

The following are high-level charging requirements specific to Network Slice Admission Control charging:

- The NSACF shall support converged charging using service based interface.

- The NSACF shall support converged charging for number of UEs per S-NSSAI.

- The NSACF shall support converged charging for number of PDU Sessions per S-NSSAI.

### 5.1.3 Charging information

The charging information for Network Slice Admission Control charging are:

- S-NSSAI;

- number of UEs;

- number of PDU Sessions.

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| **End of change** |