**3GPP TSG-SA5 Meeting #144-e *S5-224197***

**e-meeting, 27 June - 1 July 2022**

**Source: Ericsson**

**Title: Adding solution for cancel failed event**

**Document for: Approval**

**Agenda Item: 7.5.2**

# 1 Decision/action requested

**Include the proposed changes in TR 28.826.**

# 2 References

[1] 3GPP TR 28.826: " Study on Nchf charging services phase 2 improvements and optimizations"

# 3 Rationale

Adding solution for cancelling events using the charging session identifier.

# 4 Detailed proposal

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| **First change** |

# 2 References

The following documents contain provisions which, through reference in this text, constitute provisions of the present document.

- References are either specific (identified by date of publication, edition number, version number, etc.) or non‑specific.

- For a specific reference, subsequent revisions do not apply.

- For a non-specific reference, the latest version applies. In the case of a reference to a 3GPP document (including a GSM document), a non-specific reference implicitly refers to the latest version of that document *in the same Release as the present document*.

[1] 3GPP TR 21.905: "Vocabulary for 3GPP Specifications".

[2] 3GPP TS 32.255: "5G data connectivity domain charging; stage 2".

[3] 3GPP TS 23.503: "Policy and charging control framework for the 5G System (5GS); Stage 2".

[4] 3GPP TS 29.500: "5G System; Technical Realization of Service Based Architecture; Stage 3".

[5] 3GPP TS 32.240: "Telecommunication management; Charging management; Charging architecture and principles".

[6] 3GPP TS 32.291: "Telecommunication management; Charging management; 5G system; Charging service, stage 3".

[7] 3GPP TS 32.298: "Telecommunication management; Charging management; Charging Data Record (CDR) parameter description".

[8] 3GPP TS 32.299: "Telecommunication management; Charging management; Diameter charging application".

[9] 3GPP TS 32.290: "Telecommunication management; Charging management; 5G system; Services, operations and procedures of charging using Service Based Interface (SBI)."

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| **Second change** |

#### 5.4.5.x Solutions #5.x: Cancelling using charging session identifier

A possible solution for key issues 4a, covering requirements **REQ-3GPPCH-ESC-01**, cancelling of event would be to use the charging session identifier, see TS 32.290 [9], which corresponded to ChargingDataRef, TS 32.291 [6]. When a resource is created in the CHF it will always get a ChargingDataRef independent of if it’s an event or session. The ChargingDataRef together with a new service opration (e.g., cancel) could be used to cancel any previously created resources.

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| **End of changes** |