**3GPP TSG-SA5 Meeting #146Bis-e *S5-231124***

Electronic meeting, 16 - 19 January 2023

**Source: Ericsson**

**Title: Adding solution in clause 7.1 for QoS flow triggers**

**Document for: Approval**

**Agenda Item: 7.5.3**

# 1 Decision/action requested

**Include the proposed changes in TR 28.827.**

# 2 References

[1] 3GPP TR 28.827: "Study on 5G charging for additional roaming scenarios and actors"

# 3 Rationale

Adding a solution on QBC triggers specific per QoS flows in clause 7.1 for key issue #1e covering requirements REQ-CH\_VMNO-07.

# 4 Detailed proposal

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| **First change** |

7.1.4.z Solution #1.z: QBC triggers specific per QoS flows

7.1.4.z.1 General

A possible solution for key issue #1e covering requirements REQ-CH\_VMNO-07, about the QoS flow level trigger setting during the PDU session.

The QBC triggers mechanism is specified in the clause 5.2.1.6 TS 32.255 [4] and Roaming Charging Profile is specified in clause 5.2.1.7 of TS 32.255 [4]. The QBC triggers may include PDU session level triggers and QoS flow level triggers.

7.1.4.z.2 Reference architecture

The reference architecture would be the same as in solution #1.3 clause 7.1.4.3.2.

7.1.4.z.3 Message flows

The message flow is same with the PDU session establishment message flow in clause 5.2.2.12.2 or 5.2.2.18.2 of TS 32.255 [4]. In a Roaming Charging Profile negotiation, QBC triggers are common for all QoS flow and apply independently per individual QoS flows, this also applies to thresholds and limits e.g., if a limit is set to 100 then it represents the individual value of each QoS flow and will trigger when any of the QoS flows (QFIs) reach the value.

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| **End of changes** |