**3GPP TSG-SA3 Meeting #123 S3-252995**

Goteborg, Sweden, 25 – 29 August 2025

**Source: Vodafone, Verizon, T-Mobile US, CMCC, NTT DOCOMO, Telecom Italia, AT&T, BT, Charter Communications, Deutsche Telekom, IIT Bombay, KDDI**

**Title: pCR to TS 33.502 - Delivery requirements for Security related Events**

**Document for: Approval**

**Agenda Item: 5.1.1**

# 1 Decision/action requested

***Agree tdoc for incorporation into the draft TS 33.502***

# 2 References

[1] 3GPP TS 33.502 v0.0.1

# 3 Rationale

Based on approved WID (SP-250876), the working task needs to specify the general requirements for security events handling and collection.

In WT2, it will specify the events that need to be reported including the following.

- The NF collects information on the SBA layer about malformed messages it receives that deviate from the 3GPP specified messages or are considered invalid according to the protocol specification and network state.

- The NF collects information about events involving receiving a massive number of incoming messages on the SBA layer.

- The NF collects information about failed authentication and authorization attempts from inbound connections on the SBA layer.

- The NF collects information about potential replay attacks on the SBA layer.

- The NF collects information about potential abnormal SBI call flows as defined for the communication models in Annex E of TS 23.501.

It is proposed to add security requirements for security related events delivery.

# 4 Detailed proposal

\* \* \* First Change \* \* \* \*

# 5 Requirements on Security related events

Editor’s Note: This clause addresses the general requirements on configuration, collection and delivery of events.

## 5.x Requirements on delivery of detected events

The 5G system shall support mutual authentication between the 5G NF and the Security Events Collection Entity receiving the transmitted events.

The 5G system shall provide confidentiality protection, integrity protection and replay protection of the interface to the Security Events Collection Entity receiving the transmitted events.

The 5G system should support the delivery of the detected events to the Security Events Collection Entity to be separated from other traffic including 5GC control or 5G management traffic.

Editor’s note: How to deliver the security events is to be defined by SA5 and/or CT groups .

\* \* \* End of Changes \* \* \* \*