**3GPP TSG-SA5 Meeting #156 *S5-244744***

Maastricht, NL, 19 – 23 August 2024

**Source: Ericsson**

**Title: pCR TR 28.873 trace failure notification and administrative messages**

**Document for: Approval**

**Agenda Item: 6.19.11**

# 1 Decision/action requested

***For agreement and approval***

# 2 References

[1] TR 28.873 " Study on data management, subscriptions and reporting"

[2] SP-231732 "Study on data management regarding subscriptions and reporting"

[3] 3GPP TS 32.422: "Telecommunication management; Subscriber and equipment trace: Trace control and configuration management ".

# 3 Rationale

As discussed and agreed in pCR S5-242095, the traffic node shall support a limitation of a maximum number of a specific PM/Trace/MDT/QoE measurement.

One aspect is to avoid network traffic overloading is allow the traffic node to report the measurement failure due to a reason. In TS 32.422 [3], a Trace failure notification and administrative messages are specified for that purpose. However, both the message and procedure are out of date, and it is limited to Trace use case for inbound notification only. It needs to be enhanced and enabled for Trace/PM/MDT/QoE.

This pCR proposes enhancement on Trace failure notification and administrative messages.

# 4 Detailed proposals

\*\*\* START OF NEXT 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 28.622: “Generic Network Resource Model (NRM) Integration Reference Point (IRP); Information Service (IS)”.

[x1] 3GPP TS 32.422: "Telecommunication management; Subscriber and equipment trace: Trace control and configuration management ".

[x2] 3GPP TS 32.442: "Telecommunication management; Trace management Integration Reference Point (IRP); Information Service (IS)".

[x3] 3GPP TS 32.446: "Telecommunication management; Trace Management Integration Reference Point (IRP); Solution Set (SS) definitions"

\*\*\* START OF NEXT CHANGE \*\*\*

## 6.X Potential solution #X: Enhancement on trace failure notification and administrative messages

### 6.X.1 Description

As discussed in subclause 5.2, there is a requirement that the traffic node shall support a limitation of a maximum number of a specific PM/Trace/MDT/QoE measurement.

One solution, for use case 2 defined in section 5.2, is to allow the producer to report a measurement failure and notify the management system or consumer with a reason. In TS 32.422 [x1], a Trace failure notification and administrative messages are specified for that purpose. However, both the message and procedure are out of date (e.g., the notifyTraceRecordingSessionFailure is not correctly defined in 3GPP TS 32.442[x2]/TS32.446[x3]), and it is limited to Trace use case. It needs to be enhanced and enabled for Trace/MDT/QoE.

\*\*\* END OF CHANGE \*\*\*