**3GPP TSG-SA5 Meeting #155 *S5-243232***

Jeju, South Korea, 27 – 31 May 2024

**Source: Ericsson**

**Title: pCR TR 28.873 Reduce redundant Subscriptions with a measurement scope indicator**

**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 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.

This pCR proposes a solution which could reduce the number of PM/Trace/MDT/QoE requests by introduce a new measurement indicator.

# 4 Detailed proposals

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

# 6 Potential solutions

## 6.X Potential solution #X: Reduce redundantSubscriptions with a measurement scope indicator

### 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 reduce the number of subscriptions at measurement activations is that the consumer could provide an measurement scope indicator which specifies how the measurements are expected to be done.

When more than one measurement are configured in one activation request, the consumer may inform the producer of the expectation of the requested measurements, with following measurement scope indicator in the Activation Request message:

* Best effort: the producer should provide the requested measurements as much as it can.
* AllNeeded: the producer should provide all requested measurements configured in the activation request.

This indication provides more clear requirements in the subscription that the producer could make a choice to activate a minimum set of the requested measurements based on the resource conditions. If the producer is not able to produce the mandatory measurements, the job can be rejected.

This indication avoids the situation that a producer only can provide part of the requested measurements due to a reason, but the consumer is expecting the full set of measurements for data analytic.

Examples:

Example A: a consumer needs to perform a data analytic which is based on 5 measurements result. If only part of the measurements result is provided, the data analytic cannot be completed. Meaning providing part of the requested measurements result will only waste the producer resource. In this case, the consumer can provide a measurement scope indicator with value 'AllNeeded' in the activation request message. Upon receiving the activation request, if the producer cannot provide all 5 measurements due to a reason, e.g., resource limitation, it may reject the activation request.

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