**3GPP TSG-SA5 Meeting #155 *S5-243233***

Jeju, South Korea, 27 - 31 May 2024

**Source: Ericsson**

**Title: pCR 28.873-010 Add concepts and background**

**Document for: Approval**

**Agenda Item: 6.19.11**

# 1 Decision/action requested

***Approve the pCR.***

# 2 References

[1] 3GPP TR 28.873 Study on data management, subscriptions and reporting.

# 3 Rationale

A problem description is added.

# 4 Detailed proposal

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| **1st Change** |

# 3 Definitions of terms, symbols and abbreviations

## 3.1 Terms

For the purposes of the present document, the terms given in 3GPP TR 21.905 [1] and the following apply. A term defined in the present document takes precedence over the definition of the same term, if any, in 3GPP TR 21.905 [1].

 Collection Id **:** an globally unique identification which is used as reference identify in PM/Trace/QoE/MDT procedure.

**Examples of the** Collection Id**s are** Trace Reference for TraceJob, jobId for PerfMetricJob and qoEReference for QMCJob.

## 3.2 Symbols

For the purposes of the present document, the following symbols apply:

Symbol format (EW)

<symbol> <Explanation>

## 3.3 Abbreviations

For the purposes of the present document, the abbreviations given in 3GPP TR 21.905 [1] and the following apply. An abbreviation defined in the present document takes precedence over the definition of the same abbreviation, if any, in 3GPP TR 21.905 [1].

MnF Management Function

NF Network Function

SBMA Service Based Management Architecture

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| **2nd Change** |

# 4 Concept and background

The existing solutions for retrieving management data (performance measurements, trace, MDT and QoE) build on that there are few consumers that request these data. It is the consumer that has the responsibility to ensure that the collectionId (e.g. Trace Reference for TraceJob, jobId for PerfMetricJob and qoEReference for QMCJob) is unique within a PLMN.
But the number of consumers of these data is getting many, and they do not have interface to coordinate the collectionId. The consequence is that the collectionId might not be unique, which can lead to e.g. that a consumer does not receive the data that it has requested.

As the number of consumers are increasing much, it also leads to that the true data producer may get many requests for the same data (e.g. measurement). Therefore, the producer needs to be able to handle many requests from many consumers, of which several can be for the same data (e.g. measurement). At the producer this leads to an increased amount of memory and processor power is needed for administrating all those requests.

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| **End of change** |