**3GPP TSG-SA5 Meeting #145-e *S5-225310***

**e-meeting, 15 - 24 August 2022** *Revision of S5-224129*

**Source: China Mobile, Huawei**

**Title: pCR 28.909 Add key issue of evaluation objects for autonomous network levels evaluation**

**Document for: Approval**

**Agenda Item: 6.7.2.1**

# 1 Decision/action requested

***The group is asked to discuss and approval.***

# 2 References

[1] 3GPP draft TR 28.909: "Management and orchestration; Study on evaluation of autonomous network levels v0.1.0".

# 3 Rationale

This contribution proposes to change the title of Key Issue#1 of TR 28.909 to “evaluation objects for autonomous network levels evaluation” and add the content of it.

# 4 Detailed proposal

It proposes to make the following changes to TR 28.909[1].

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| **1st Change** |

## 5.1 Key Issue# 1: Evaluation objects for autonomous network levels evaluation

### 5.1.1 Description

Evaluation objects should be identified and determined before making an evaluation. The autonomous network levels can be evaluated by using the framework approach for evaluating autonomous network levels specified in TS 28.100 [2] by evaluating the autonomy capability of the specified workflow in each individual scenarios and/or each individual management scope. Based on the autonomous network levels evaluation results of each individual scenarios and/or management scope, the autonomous network levels of groups of scenarios and/or management scope, or even the whole telecom system can be then evaluated with the generic evaluation mechanisms. Thus the dimensions described in TS 28.100 [2] can be used as the evaluation objects for autonomous network levels evaluation including levels classification and ANLS evaluation.

### 5.1.2 Potential solutions

*Editor's note: whether the evaluation object need to be modeled and how to model it is FFS.*

#### 5.1.2.1 Introduction

The dimensions for evaluating autonomous network levels i.e. scenarios, management scope and workflow described in TS 28.100[2] are reused as the evaluation objects for autonomous network levels evaluation and the evaluation objects are further elaborated in present document.

#### 5.1.2.2 Scenarios

Based on the scenario type defined in TS 28.100 [2], aspects which could identify specific network capabilities are used to derive a specific scenario. For example, for radio network, following aspects (non-exhaustive list) can be used to derive a specific scenario:

- RAT: e.g. UTRAN, eUTRAN, NR, and combination of them

- Network performance: e.g. coverage, RAN UE throughput, capacity, energy efficiency, latency, and combination of them

- Network environment: Indoor, Outdoor (e.g. urban, rural, high-speed rail), and combination of them

#### 5.1.2.3 Management scope

The management scope described in TS 28.100 is reused for evaluation purpose.

#### 5.1.2.4 Workflow

The workflow described in TS 28.100 is reused for evaluation purpose.

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| **End of Changes** |