**3GPP TSG-SA5 Meeting #145-e *S5-225309***

**e-meeting, 15 - 24 August 2022** *Revision of S5-224128*

**Source: China Mobile, Huawei**

**Title: pCR TR 28.910 Add key issue for enhancement of ANL for fault management**

**Document for: approval**

**Agenda Item: 6.7.1.1**

# 1 Decision/action requested

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

# 2 References

[1] 3GPP TS 28.100: "Management and orchestration; Levels of autonomous network".

[2] 3GPP draft TR 28.910: “Management and orchestration; Study on enhancement of autonomous network levels v0.2.0”.

# 3 Rationale

This contribution proposes to add key issues for the enhancement of generic autonomous network level for fault management.

The following generic autonomy capability description for management system for level 4 is documented in clause 7.3.3 of TS 28.100[1], however, the corresponding MnS requirements for some generic autonomy capability (e.g. Additional MnS requirements to support autonomous network level 4) is missing.

***/\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*Extracted from TS 28.100\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*/***

### *7.3.3 Generic autonomy capability description for management system*

***Level 4 for Fault Management:*** *The 3GPP management system has the following autonomy capabilities:*

*- Generate or update fault management control information according to fault management intent based on specified intent translation control information.*

*- Evaluate fault management intent fulfilment based on specified intent evaluation control information.*

### *7.3.4 Generic MnS requirements*

##### *7.3.4.4 Additional MnS requirements to support autonomous network level 4*

*The additional MnS requirements for level 4 are not specified in the present document.*

***/\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*Extracted from TS 28.100\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*/***

# 4 Detailed proposal

It proposes to make the following changes to TR 28.910[2].

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| **1st Change** |

## 5.X Key Issue# 5.X: Enhancement of generic autonomous network level for fault management

#### 5.X.1 Description

#### 5.X.1.1 Issue descriptipn

The generic autonomous network level for fault management is defined in Clause 7.3 in TS 28.100 [4], which includes generic workflow, generic classification of autonomous network level, generic autonomy capability description for management system, generic MnS requirements and solutions for generic MnS requirements.

Based on current definition, the generic autonomy capability description for management system for level 4 is documented in clause 7.3.3 in TS 28.100 [4]. However, the corresponding MnS requirements for level 4 are not specified in clause 7.3.4 in TS 28.100 [4].

#### 5.X.1.1 Potential requirements

Following additional MnS requirements for level 4 need to be specified to support generic autonomy capability description for management system for level 4.

**REQ-ANL-FM-Level\_4-MnS-1** The 3GPP management system shall have the capability allowing its authorized consumer to specify the fault management related intent.

**REQ-ANL-FM-Level\_4-MnS-2** The 3GPP management system shall have the capability allowing its authorized consumer to obtain the fulfilment information of the fault management related intent.

5.X.2 Potential solutions

TBD.

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| **End of Changes** |