**3GPP TSG-SA5 Meeting #145-e *S5-225370rev1***

**e-meeting, 15 - 24 Augest 2022**

**Source: AsiaInfo**

**Title: pCR 28.834 Add Use Case on performance management of the cloud-native VNF using generic OAM functions**

**Document for: Approval**

**Agenda Item: 6.8.5.1**

# 1 Decision/action requested

***The group is asked to discuss and agree on the proposal.***

# 2 References

[1] 3GPP TR 28.834-020 “Study on Management of Cloud Native Virtualized Network Funciton”.

# 3 Rationale

This contribution proposes to add the use case and potential requirements on performance management of the cloud-native VNF using generic OAM functions.

# 4 Detailed proposal

It proposes to make the following changes to TR 28.834.

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| **1nd Change** |

# 5 Potential use cases and requirements

*Editor's note: this clause will contain the use cases and potential requirements.*

## 5.X Use case# Num: Performance management of the cloud-native VNF using generic OAM functions

### 5.X.1 Description

This use case is about the performance management of cloud-native VNFs using the " VNF metrics aggregator function and VNF metrics analyser function", which belongs to generic OAM functions proposed in [2]. The VNF metrics aggregator function can collects the metrics from the VNF/VNFC/NFV-MANO, the VNF metrics analyser function can analyses the metrics provided by the VNF metrics aggregator and can be configured to send notifications based on e.g. statistical processing, abnormal behaviour detection, or threshold crossing.

The 3GPP management system sends a performance management request to the VNF metrics analyser , then the VNF metrics analyser retrieves data from the VNF metrics aggregator.

The VNF metrics analyser processes and evaluates the data collected (e.g analysis and indentifies passibile issues), the 3GPP management system will receive the management resulte from VNF metrics analyser function.

### 5.X.2 Requirements

**REQ-CVNF\_TM\_CON-1** The 3GPP management system shall be able to send a performance management request for a cloud-native VNF to the VNF metrics analyser function.

**REQ-CVNF\_TM\_CON-2** The 3GPP management system shall be able to receive a returned result from VNF metrics aggregator function about the performance management of cloud-native VNFs.

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| **End of Changes** |