**3GPP TSG-SA5 Meeting #144-e *S5-224285***

**e-meeting, 27 - 1 June 2022**

**Source: China Mobile**

**Title: pCR 28.834 Add Use Case on Traffic 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 28.834-010 “Study on Management of Cloud Native Virtualized Network Funciton”.

# 3 Rationale

This contribution proposes to add the use case and potential requirements on Traffic 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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| **1st Change** |

# 2 References

The following documents contain provisions which, through reference in this text, constitute provisions of the present document.

- References are either specific (identified by date of publication, edition number, version number, etc.) or non‑specific.

- For a specific reference, subsequent revisions do not apply.

- For a non-specific reference, the latest version applies. In the case of a reference to a 3GPP document (including a GSM document), a non-specific reference implicitly refers to the latest version of that document *in the same Release as the present document*.

1. 3GPP TR 21.905: "Vocabulary for 3GPP Specifications"
2. ETSI GR NFV-EVE019: “Report on VNF generic OAM functions”

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| **2nd 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: Traffic management of the cloud-native VNF using generic OAM functions

### 5.X.1 Description

This use case is about the traffic management of cloud-native VNFs using the "traffic enforcer function" , which is one of the generic OAM functions proposed in [2] and can block and reroute the traffic of VNFC instances.

When there is a problem with one of the VNFCs of the cloud-native VNF, the 3GPP management system sends a traffic management request to the traffic enforcer, then the traffic enforcer performs the required blocking operations on the VNFC instances and reroutes the traffic by using the APIs exposed by MANO, and finally the 3GPP management system will receive the management results from the traffic enforcer.

### 5.X.2 Requirements

**REQ-CVNF\_TM\_CON-1** The 3GPP management systemshall be able to send a traffic management request for a cloud-native VNF/VNFC to the traffic enforcer.

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

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| **End of Changes** |