**3GPP TSG-SA5 Meeting #144-e *S5-224283***

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

**Source: China Mobile**

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

### 5.X.1 Description

This use case is about the configuration of cloud-native VNFs that are implemented to use "VNF configuration manager function" , which is one of the generic OAM functions proposed in [2] and can handle changes to the configuration of a VNF/VNFC, such as obtaining configuration files, managing configuration versions, storing configuration files, implementing configurations, etc.

When configuring cloud-native VNFs, the 3GPP management system sends a request with the cloud-native VNF/VNFC instance(s) configuration to the VNF configuration manager, then the configuration manager performs the required configuration to the target VNF/VNFC instance(s), and finally the 3GPP management system will receive the configuration results from the VNF configuration manager. In this use case scenario, the 3GPP management system can use the VNF configuration manager function to deliver configuration requirements to multiple VNFs in a more unified way. That can reduce the duplication of work in the configuration of the 3GPP management system.

### 5.X.2 Requirements

**REQ-CVNF\_CM\_CON-1** The 3GPP management system shall be able to send a configuration request for a cloud-native VNF/VNFC to the VNF configuration manager.

**REQ-CVNF\_CM\_CON-2** The 3GPP management system shall be able to receive notifications from the VNF configuration manager about the completion of the cloud-native VNF configuration request.

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| **End of Changes** |