**3GPP TSG-SA5 Meeting #155 *S5-243191***

Jeju, South Korea, 27 - 31 May 2024 revision of S5-242884

**Source: Nokia, Rakuten**

**Title: Rel-19 pCR TR 28.869 Enhance use case description and add potential requirements for data streaming for cloud-native network functions**

**Document for: Approval**

**Agenda Item: 6.19.6**

# 1 Decision/action requested

***In this box give a very clear / short /concise statement of what is wanted.***

# 2 References

[1] 3GPP TR 28.869, " Study on cloud aspects for management and orchestration."

# 3 Rationale

There is a need to enhance the use case description and add potential requirements for the "Data streaming for cloud-native NFs" use case (defined in clause 5.2.2 in TR 28.869[1]) to capture the criteria that the reporting option suited to cloud-native NFs may be able to fulfill.

# 4 Detailed proposal

It is proposed that the following changes be made to clause 5.2.2 of TR 28.869 [1].

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| **First 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 GS NFV-IFA 049: "Network Functions Virtualisation (NFV) Release 5; Architectural Framework; VNF generic OAM functions specification.

[3] ETSI GR NFV-EVE 019: "Network Functions Virtualisation (NFV) ;Architectural Framework;Report on VNF generic OAM functions".

[4]  3GPP TR 28.834: "Study on management of cloud-native Virtualized Network Functions (VNF)".

[5] SP-230764 New WID on Management of cloud-native Virtualized Network Functions.

[6] 3GPP TS 28.526: "Telecommunication management; Life Cycle Management (LCM) for mobile networks that include virtualized network functions; Procedures".

[7] 3GPP TS 28.531: "Management and orchestration; Provisioning".

[8] ETSI GS NFV-IFA 013 (V4.5.1) (2023-09): "Network Function Virtualisation (NFV); Release 4; Management and Orchestration; Os-Ma-nfvo reference point - Interface and Information Model Specification".

[9] ETSI GS NFV-IFA 008 (V4.3.1) (2022-05): "Network Function Virtualisation (NFV); Release 4; Management and Orchestration; Ve-Vnfm reference point - Interface and Information Model Specification".

[10] 3GPP TR 28.532: "Management and orchestration; Generic management services".

[X] 3GPP TS 28.552: " Management and orchestration; 5G performance measurements ".

[Y] 3GPP TS 28.554: "Management and orchestration; 5G end to end Key Performance Indicators (KPIs)".

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| **Second Change** |

# 3 Definitions of terms, symbols and abbreviations

## 3.1 Terms

For the purposes of the present document, the terms given in 3GPP TR 21.905 [1] and the following apply. A term defined in the present document takes precedence over the definition of the same term, if any, in 3GPP TR 21.905 [1].

**example:** text used to clarify abstract rules by applying them literally.

**VNF generic OAM function:** Defined in ETSI GS NFV-IFA 049 [2].

**Message bus:** a mechanism for sending and receiving messages between distributed systems via a middleware messaging infrastructure.

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| **Third Change** |

### 5.2.2 Use case #2: data streaming for cloud native network function

#### 5.2.2.X Potential requirements

**PREQ-FS\_Cloud-OAM-01** The 3GPP management system should have the capability enabling the MnS consumer to configure the MnS producer for the streaming of management data based on message bus.  
Note: The management data corresponds to the performance measurements or KPIs defined in TS 28.552[X] and TS 28.554[Y], respectively.

**PREQ-FS\_Cloud-OAM-02** The 3GPP management system should have the capability enabling the MnS producer to stream management data to the MnS consumer based on message bus.

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| **End of Changes** |