**3GPP TSG-SA5 Meeting #158 *S5-247109***

Orlando, USA, 18- 22 November 2024

**Source: Nokia, Huawei, Samsung, Ericsson**

**Title: pCR 28.869 Add Evaluation to the use of VNF generic OAM functions use cases**

**Document for: Approval**

**Agenda Item: 6.19.6**

# 1 Decision/action requested

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

# 2 References

[1] 3GPP TR 28.869 v1.0.2 Study on cloud aspects of management and orchestration

# 3 Rationale

The pCR proposes to add evaluation of solutions for the use cases in clause 5.1 of TR 28.869 [1].

# 4 Detailed proposal

It proposes to make the following changes to clauses 5.1 of TR 28.869 [1].

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| **First Change** |

#### 5.1.1.4 Evaluation of solutions

Editor's Note: content is FFS.

The solutions presented in clauses 5.1.1.3.1, 5.1.1.3.2 and 5.1.1.3.3 have no impact on the 3GPP management system. In addition, the following aspects need further clarification/discussion:

* What are the VNF application-level parameters that the 3GPP management system needs to interact with the VNF generic OAM function(s) to configure the VNF?
* The relationship between the configuration interface provided by the VNF generic OAM functions with the existing 3GPP provisioning MnS for NF configuration.

From the perspective of the 3GPP management system, the solution for cloud-native VNF configuration presented in clause 5.1.1.3.4 relying on existing 3GPP SA5 specifications satisfies the use case requirement REQ-CVNF\_CM-1.

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| **Second change** |

5.1.2.4 Evaluation of solutionsThe solution presented in clause 5.1.2.3.1 has no impact on the 3GPP management system. In addition, following aspects are not clear and need further clarification/discussion:

* What are the VNF application-level policies that the 3GPP management system needs to interact with VNF generic OAM function to configure the VNF?
* The relationship between the policy management interface provided by VNF generic OAM functions with the 3GPP provisioning MnS for NF policy management.

From the perspective of the 3GPP management system, the solution for cloud-native VNF policy management presented in clause 5.1.2.3.2 relying on existing 3GPP SA5 specifications satisfies the use case requirement REQ-policy-1.

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| **Third change** |

#### 5.1.3.4 Evaluation of solutions

The role of the 3GPP management system in supporting traffic management (as per the use case requirement REQ-CVNF\_TM-1) is ambiguous. Accordingly, it is not clear what “cloud-native VNF traffic” means? Is it signalling or user-plane traffic? The relation with 3GPP signalling traffic needs to be clarified.

Subsequently, if it is not the 3GPP signalling traffic, then the traffic management is out of scope for 3GPP SA5.

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| **Fourth change** |

#### 5.1.4.4 Evaluation of solutions

The solution presented in clauses 5.1.4.3.1 has no impact on the 3GPP management system. In addition, the following aspects are not clear and need further clarification/discussion:

* What are the VNF application-level items that the 3GPP management system needs to interact with VNF generic OAM function for upgrading VNF?
* The relationship between the VNF upgrade management interface provided by the VNF generic OAM functions with the 3GPP provisioning MnS for NF software upgrade.

From the perspective of the 3GPP management system, the solution for cloud-native VNF upgrade presented in clause 5.1.4.3.2 relying on existing SA5 specifications satisfies the use case requirement REQ-CVNF\_UP-1.

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| **End of changes** |