**3GPP TSG-SA5 Meeting #158 *S5-247105d2***

Orlando, USA, 18 - 22 November 2024

**Source: NTT DOCOMO, China Mobile**

**Title: pCR TR28.869 Cloud-native VNF upgrade management evaluation**

**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 v1.1.0 Study on cloud aspects of management and orchestration.

# 3 Rationale

The contribution proposes to add evaluation of solutions for Cloud-native VNF Upgrade management.

# 4 Detailed proposal

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

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| **1st Change** |

#### 5.1.4.4 Evaluation of solutions

The potential solution described in clause 5.1.4.3.1 supports the capability to perform VNF Upgrade management for cloud-native VNFs. It introduces a PaaS reference point and a related platform entity. According to the potential solution provided in clause 5.1.4.3.1 the new platform entity resides outside the 3GPP management system and is a feasible solution, with no impact in the 3GPP management framework. Additional specification work is needed in the normative phase to support operations related to file/software upgrade of 3GPP NF, that are realized by cloud-native VNFs, provided by the MnS provisioning service to an MnS consumer.

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| **End of Changes** |