**3GPP TSG-SA5 Meeting #156 *S5-244113***

Maastricht, Netherlands, 19 - 23 August 2024

**Source: China Mobile, ZTE, NTT DOCOMO**

**Title: pCR Add background of** **cloud-native VNF/NFs**

**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 v0.3.0 Study on cloud aspects of management and orchestration.

# 3 Rationale

The contribution proposes to add background of cloud-native VNF/NFs.

# 4 Detailed proposal

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

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| **1st Change** |

## 4.X Background of cloud-native VNF/NFs

3GPP SA5 has been studying aspects of cloud-native related to 3GPP’s mobile network management since Release 18. In TR 28.834, there are some use cases and potential solutions based on the latest Release 4 specifications from ETSI NFV to support the cloud native VNF management by interacting with ETSI NFV’s NFV-MANO, which resulted in normative work updatingTS28.526[6], TS 28.531[7] and TS 28.533[16].

It should be noted that cloud native includes a set of characteristics, but TR 28.834 mainly focused on some use cases and solutions related to containerized VNF and NFV-MANO.

In the present document, more use cases are studied based on broader set of cloud-native characteristics, and potential solutions are explored in more directions.

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| **End of Changes** |