**3GPP TSG-SA5 Meeting #158 *S5-247112***

Orlando, USA, 18 - 22 November 2024

**Source:**  **Rakuten Mobile**

**Title: pCR TR 28.869 Add new solution for termination of NF instance**

**Document for: Approval**

**Agenda Item: 6.19.6**

# 1 Decision/action requested

***For approval***

# 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 a new solution for termination of NF instance

# 4 Detailed proposal

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

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| **1st Change** |

##### 5.2.5.3.1 Use of deployment management reference point

In this solution the 3GPP management system interacts with an orchestration and management system using the deployment management reference point as described in clause 5.2.1.3, for termination of a NF deployment instance.

Figure 5.2.5.3.1-1 depicts a high-level view of proposed procedure for termination of a NF deployment instance.



Figure 5.2.5.3.1-1: High level procedure for NF deployment instance termination

The 3GPP management system requests termination of a NF deployment instance from an orchestration and management system for LCM of NF deployment instances over deployment management reference point, and receives the result of the request for termination of the NF deployment instance from the orchestration and management system.

Annex F provides an example scenario using interactions with orchestration and management system for termination of NF deployment instances. If the orchestration and management system is ETSI NFV MANO, the interactions over deployment management reference point are as specified in clause 7.12 of 28.531 [7].

In some deployment scenarios, the descriptor could be used with information required to support a single NF deployment instance. In such a case, the 3GPP management system deletes the descriptor which results in subsequent termination of the corresponding NF deployment instance and remove its corresponding cloud resources.

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| **End of Changes** |