**3GPP TSG-SA5 Meeting #162 *S5-253427rev1***

Goteborg, Sweden, 25 - 29 August 2025

**Source:** **China Mobile**

**Title: Pseudo-CR on TR 28.869 Add evaluation for some LCM solutions**

**Document for: Approval**

**Agenda item: 6.19.6**

**Spec: 3GPP TR 28.869**

**Version: V1.5.1**

**Work Item: FS\_Cloud\_OAM**

**Comments**

The contribution proposes to add evaluation for some LCM solutions.

**Proposed Changes**

\* \* \* First Change \* \* \* \*

5.2.1 Use case #1: 3GPP management architecture evolution to support LCM of NF Deployment instance

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#### 5.2.1.4 Evaluation of solutions (The suggested merged version)

The solution in clause 5.2.1.3 proposes generic architecture evolution and introduces a generic orchestration and management entity that interacts with 3GPP management system for LCM of NF Deployment instance via the new deployment management reference point.

This solution enables 3GPP management architecture to support the use of both ETSI NFV MANO and non ETSI NFV MANO.

The solution is feasible and optional for the operator.

*For the convenience of merging, the following are all copys,* *it will be deleted later*

**5.2.1.4 Evaluation of solutions of 3354(Docomo)**

A generic management reference point has been described, connecting the 3GPP management system with a generic Orchestration and management system.

This system could be NFV-MANO or another solution, used for the purpose of NF Deployment management.

In case the orchestration and management system is not NFV-MANO, further study is needed regarding the interfaces supported by the generic reference point and related updates expected in the 3GPP management system (e.g., updates in 28.531, 28.533, IoCs, etc.).

**5.2.1.x Evaluation of solutions** **of 3697(Ericsson, Nokia, AT&T)**

The proposed solution in clause 5.2.1.3 introduces a generic orchestration and management entity that interacts with 3GPP management system for LCM of NF Deployment instance via the new deployment management reference point.

It fulfils the use case requirement expressed in clause 5.2.1.2. This solution enables 3GPP management architecture to support the use of both ETSI NFV MANO and non ETSI NFV MANO.

**5.2.1.4 Evaluation of solutions of 3427(CMCC)**

The potential solution described in clause 5.2.1.3 proposes generic architecture evolution to support LCM of NF Deployment instance. The solution allow 3GPP management system to interact with an orchestration and management entity and its main impacts is to increase the options for the 3GPP management system to interact with non-MANO systems, e.g. Kubernetes based API. In summary, the solution is feasible and optional.

\* \* \* Next Change \* \* \* \*

~~5.2.3 Use case #3: Creation of a NF Deployment instance~~

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#### ~~5.2.3.4 Evaluation of solutions~~

~~The potential solutions described in clause 5.2.3.3 are based on the architecture evolution in clause 5.2.1.3 and add new functionality on the deployment management reference point to fulfil the use case requirements expressed in clause 5.2.3.2. The difference between the two solutions is that the solution in 5.2.3.3.2 is based on a declarative API. In summary, the solutions described in clause 5.2.3.3 are all feasible and optional.~~

\* \* \* End of Changes \* \* \* \*