**3GPP TSG-SA5 Meeting #148eS5-233395**

**online, 17th April 2023 – 25th April 2023**

**Source: Samsung**

**Title: pCR 28.903 Federated EAS Management**

**Document for: Approval**

**Agenda Item: 6.9.6.2**

# 1 Decision/action requested

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

# 2 References

None

# 3 Rationale

This contribution provides updated solution for 6.5. Key Issue#5: Federated EAS deployment and termination

# 4 Detailed proposal

|  |
| --- |
| **First modification** |

## 6.5. Key Issue#5: Federated EAS deployment and termination

E/WBI shall control the launch and termination of applications on a partner OP. This will be used by a leading OP to instantiate an application to edge clouds (EDN) of partner OP as requested by application provider over NBI. A leading OP shall make the application instantiation result available on the NBI interface. Partner OP shall also provide the application instance status over E/WBI to leading OP which leading OP may expose to application providers on NBI.

This is crucial to investigate in the method and solutions used for application management on other OPs. It is to be discussed whether it require enhancement to edge NRM and the procedures defined in TS 28.538.

6.5.1 Requirements

**REQ-FUN-NBI-1:** ECSP management system shall have a capability enabling ASP to request deployment of EAS on the edge network of other ECSP Management system.

6.5.2 Potential Solutions

The solution proposes to use the existing procedures for EAS deployment with the enhanced EASRequirements IOC. After receiving the EAS deployment request form the ASP, the L-OP will check if it can deploy the EAS at one of its own EDN. If not, L-OP will select a P-OP based on the federation relationships which it maintains with multiple P-Ops. The L-OP will send a request to deploy an EAS containing attributes indicating the federation and reservations. Once the P-OP receives the request it will follow the EAS deployment procedure as defined in 3GPP TS 28.538.