**3GPP TSG-SA3 Meeting #99e *S3-201124***

**e-meeting, 11 – 15 May 2020** Revision of S3-20xxxx

**Source:** **Huawei, Hisilicon**

**Title: Requirement on authorization of resource management**

**Document for: Approval**

**Agenda Item: 5.6**

1 Decision/action requested

***This contribution proposes a Requirement on authorization of resource management.***

2 References

[1] 3GPP TR 33.818: “Security Assurance Methodology (SECAM); and Security Assurance Specification (SCAS); for 3GPP virtualized network products”, V0.6.0

3 Rationale

The corresponding requirement for DoS in clause 5.2.4.2.2.8 of [1] is missing in the requirement section, this contribution proposes to resolve the missing part.

4 Detailed proposal

\*\*\*\*\*\*\*\*\*\* START OF CHANGE \*\*\*\*\*\*\*\*\*\*

5.2.5.5.7 Security functional requirements related to virtualisation

5.2.5.5.7.x Authorization of resource management

*Requirement Name*: Authorization of resource management

*Requirement Description*:

1) VNFM shall request the resource quota based on the VNFD received from NFVO.

2) The hypervisor shall validate the resource operation request (e.g. Create and Modify).

3) VM shall be restricted to the assigned virtualised resource.

*Threat Refe*rence: changing virtualisation resource without authorization, in clause 5.2.4.2.2.8.Editor’s note: The related test case is to be added later.

\*\*\*\*\*\*\*\*\*\* END OF CHANGE \*\*\*\*\*\*\*\*\*\*