**3GPP TSG-SA3 Meeting #101-e *S3-203138***

**e-meeting, 9 -20 Novenber 2020** Revision of S3-20xxxx

**Source: China Mobile**

**Title: proposal for way forward**

**Document for: Approval**

**Agenda Item: 5.2**

# 1 Decision/action requested

***This contribution adds conclusion into clause 8.***

# 2 Rationale

At present, some operators have built a commercial 4G/5G core network based on virtualized network equipment (like vMME, vAMF, vUDM etc.). In order to ensure the security of virtualized network products, SECAM and SCAS for GVNP shall be needed. Although there is no significant gap between GNP and GVNP in terms of SECAM/SCAS as identified in clause 4, there are still some security threats and requirements specific to generic virtualized network products identified in the present document, the SECAM and SCAS of GVNP in this document only apply to the virtualized netwok products.

This contribution adds way forward.

# 3 Detailed proposal

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* Start of the change \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

# 8 Conclusion

## 8.2 Way forward of SECAM/SCAS for 3GPP virtualized network products

Although there is no significant gap between GNP and GVNP in terms of SECAM/SCAS as identified in clause 4, there are still some security threats and requirements specific to generic virtualized network products identified in the present document, which can serve as the basis for the SECAM and SCAS of specific virtualized network products. In conclusion, the following way forward is proposed:

- As the differences in SECAM for GVNP are minor, it is proposed to expand the scope of current TR 33.916 [2] to introduce the methodology adapatation specific to GVNP, with clear indication that such adapatation is applied for virtualized product class only.

- It is proposed to capture the threats and critical assets specific to virtualized network product class in a new TR (to pair with TR 33.926 [3]).

- It is proposed to capture the requirements and corresponding test cases for GVNP in a new TS (to pair with TS 33.117 [4]).

- The progress of this document should be informed to the GSMA, who will make decision on the SECAM Accreditation Body of GVNP and the potential specifications related to accreditation of the vendor virtualized network product development and virtualized network product lifecycle management process, accreditation of the test lab etc.

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* End of the change \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*