**3GPP TSG-SA3 Meeting #115, AthensS3-24*xxxx***

**26 Feb – 01 Mar 2024**

**Source: Johns Hopkins University APL, US National Security Agency**

**Title:** **Updates to skeleton TR 33.757**

**Document for: Approval**

**Agenda Item: 5.3**

# Decision/action requested

***This pCR proposes to add a new Key Issue for topology hiding into TR 33.757***

# 2 References

# 3 Rationale

The purpose of this pCR is to propose adding a new Key Issue for topology hiding into TR 33.757.

# 4. Detailed proposal

It is suggested to approve the following change.

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

# 5 Key issues

5.X Key Issue #X: PLMN - PNI-NPN interfaces require topology hiding protections

5.X.1 Key issue details

Malicious NFs from within the PLMN or from within the PNI-NPN customer network may attempt to scan the topology of inter-connected network via the interfaces between the PLMN and PNI-NPN customer domains.

5.X.2 Security threats

Successful scanning attempts may provide information to attackers that enable subsequent attacks.

5.X.3 Potential security requirements

* 5GS should include topology hiding protections for Service Based interfaces between PLMNs and PNI-NPN customer domains.
* 5GS should include topology hiding protections for Non-Service Based interfaces between PLMNs and PNI-NPN customer domains.
* 5GS should include topology hiding protections for Management Service (MnS) interfaces between PLMNs and PNI-NPN domains.

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