**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 malformed message protection into TR 33.757***

# 2 References

# 3 Rationale

The purpose of this pCR is to propose adding a new Key Issue for malformed message protection 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 malformed message protections

5.X.1 Key issue details

Malicious NFs from within the PLMN or from within the PNI-NPN customer network may attempt to impair performance of victim NFs with malformed message traffic via the interfaces between the PLMN and PNI-NPN customer domains.

5.X.2 Security threats

Successful impairment of victim NFs with malformed message traffic may degrade the ability of victim NFs to provide its intended service.

5.X.3 Potential security requirements

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

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