**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 is proposing to add a new Key Issue for IPSec child security association coordination into TR 33.757***

# 2 References

[1] 3GPP TS 33.501: “Security architecture and procedures for 5G system”

# 3 Rationale

The purpose of this pCR is to propose adding a new Key Issue for IPSec child security association coordination 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: IPSec Child-SA policy coordination between PLMN and NPN customers

5.X.1 Key issue details

TS 33.501 [1] clause 9.1.3 requires a Child-SA for each QoS traffic class. IPSec configurations will reside in separate operational domains of the PLMN and PNI-NPN, therefore inter-domain coordination of Child-SA policies is required to support QoS for User Plane interfaces between PLMN and PNI-NPN customer domains.

5.X.2 Security Threats

Incompatible IPSec Child-SA policy configuration between PLMN and PNI-NPN customers may result in failure of Child-SA associations, thereby exposing PLMN and PNI-NPN to operating without the required Child-SAs.

5.X.3 Potential security requirements

5GS should include Child-SA policy coordination across PLMN and PNI-NPN customer domains.

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