**3GPP TSG-SA3 Meeting #120 S3-25xxxx**

**Athens, Greece, 17 - 21 February 2025**

**Source: Huawei, HiSilicon**

**Title: Pseudo-CR on 3GPP Cryptographic Inventory for PDCP**

**Document for: Approval**

**Agenda item: 5.20**

**Spec: 3GPP TR 33.938**

**Version: 0.1.0**

**Work Item: FS\_CryptoInv**

**Comments**

This contribution provides detailed description for PDCP security protection used in 5G systems for TR 33.938.

### \* \* \* First Change \* \* \* \*4.4.X PDCP

The PDCP protocol between the UE and the NG-RAN is responsible for the security protection of the following scenarios in 5G system:

RRC integrity and confidentiality protection between UE and gNB (see clause 6.5.1 and 6.5.2 of TS 33.501 [4]).user plane data integrity and confidentiality protection between UE and gNB (see clause 6.6.3 and 6.6.4 of TS 33.501 [4]).NOTE: The NAS protocol provides integrity and confidentiality protection for NAS signalling messages between the UE and the AMF. However, from a perspective of the UE, the NAS protocol is above the 5G-AN protocol layer. Therefore, it may be considered that the NAS message is also protected by the PDCP protocol layer.

\* \* \* End of Changes \* \* \* \*