**3GPP TSG-SA3 Meeting #123 S3-252999**

**Goteborg, Sweden, 25 – 29 August 2025 merger of S3-252610, 2660, 2880, 2888,**

**Source: OPPO**

**Title:** **Security requirements to** **AIoT** **NG RAN**

**Document for: Approval**

**Agenda item: 4.1.1**

**Spec: 3GPP TS 33.369**

**Version: 0.2.0**

**Work Item: AmbientIoT-SEC**

**Comments**

It is proposed to approve the security requirements to AIoT NG RAN regarding authentication procedure.

\* \* \* First Change \* \* \* \*

### 4.2.4 Security Requirements on the NG-RAN

AIOT2 is the reference point between the AIOTF and the NG-RAN.

For network layer authentication between AIoT device and 5G core, NG-RAN shall send a 128-bit random number in paging request.

NG-RAN shall support the use of integrity, confidentiality and replay protection with the AIOTF over the AIOT2 interface.

There is no AS security protection between AIoT device and NG-RAN.

The traffic over AIOT2 interface between AIOTF and NG-RAN shall be integrity, confidentiality and replay-protected.

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