**3GPP TSG-SA3 Meeting #124 draft\_S3-253181-r2**

**Wuhan, China 13th - 17th October 2025**

**Source: ZTE**

**Title: New solution on security for sensing service operation**

**Document for: Approval**

**Agenda item: 5.2.7**

**Spec: 3GPP TR 33.777**

**Version: 0.1.0**

**Work Item: FS\_Sensing\_SEC**

**Comments**

The contribution proposes to add a new solution for key issue #2.

**Proposed Changes**

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

## 6.Y Solution #Y: Security for sensing service operation

### 6.Y.1 Introduction

This solution addresses Key Issue #2: Security protection for sensing service operations.

### 6.Y.2 Solution details

The solution proposes a security mechanism to secure the connection between the sensing entity and SF.

For the interface between the sensing entities and SF, the communication between the sensing entity and the SF is secured by the NDS/IP security procedures specified in TS 33.210 [x].

Editor’s Note: Whether the SF is implemented as a single NF or is split into separate NFs is to be aligned with SA2.

Editor’s Note: Whether using direct connection between sensing function and sensing entity for control sensing operation and report sensing data needs to align with SA WG2.

### 6.Y.3 Evaluation

TBD

\* \* \* End of First Change \* \* \* \*

\* \* \* Second Change \* \* \* \*

# 2 References

The following documents contain provisions which, through reference in this text, constitute provisions of the present document.

- References are either specific (identified by date of publication, edition number, version number, etc.) or non‑specific.

- For a specific reference, subsequent revisions do not apply.

- For a non-specific reference, the latest version applies. In the case of a reference to a 3GPP document (including a GSM document), a non-specific reference implicitly refers to the latest version of that document *in the same Release as the present document*.

[1] 3GPP TR 21.905: "Vocabulary for 3GPP Specifications".

[2] 3GPP TR 23.700-14: "Study on Integrated Sensing and Communication; Stage 2".[3] 3GPP TS 22.137: "Service requirements for Integrated Sensing and Communication; Stage 1".

[4] 3GPP TR 22.837: "Feasibility Study on Integrated Sensing and Communication".

[5] 3GPP TR 33.501: "Security architecture and procedures for 5G system".

[x] 3GPP TS 33.210 :”3G security; Network Domain Security (NDS); IP network layer security”.

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