**3GPP TSG-SA3 Meeting #124 draft\_S3-253359-r1**

**Wuhan, China, 13 – 17 October 2025 merger of S3-253359, S3-253360, S3-253361, and S3-253393**

**Source: Xiaomi, Huawei (?)**

**Title: Update KI#2 on secure sensing data and associated information collection and transport**

**Document for: Approval**

**Agenda item: 5.2.7**

**Spec: 3GPP TR 33.777**

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

**Comments**

This contribution proposes to add threats and requirements related to sensing data and associated information collection and transport.

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

## 5.2 Key Issue #2: Security protection for sensing service operations

### 5.2.1 Key issue details

According to TR 23.700-14 [2], after the sensing service request from the service consumer is authorized by the network, sensing service operations will be triggered and performed by the relevant network functions, which communicate with each other to obtain the sensing result.In TR 23.700-14 [2], there are multiple solutions proposing sensing service operation procedures. The SF needs to select proper sensing entity to collect sensing data in a specific sensing mode. When any of the service conditions of a sensing service is no longer met, an ongoing sensing service can be revoked by the network. The security aspects of all these sensing operations and procedures are to be addressed in this key issue.

NOTE 1: Security aspects of service operation revocation triggered by sensing functions is addressed in this key issue, as it can be viewed as one type of sensing service operations.

### 5.2.2 Security threats

If the connection between sensing entity and sensing function is not securely established, an attacker is able to tamper or inject or replay sensing control messages and sensing data, or sniff the collected sensing data.

### 5.2.3 Potential security requirements

The 5G system shall be able to support security aspect of sensing parameter configuration.

The 5G system shall be able to support integrity protection, confidentiality protection and replay protection for the connection between sensing entity and SF.

Editor’s Note: More security requirements will be added depends on SA2 progress.

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