**3GPP TSG-SA3 Meeting #111 *S3-233449***

Berlin, Germany, 22 -26 May 2023

TSG SA Meeting #100 CP/SP/RP-YYabcd

12 - 16 June 2023, Taipei,

**Source: Xiaomi, to be SA3**

**Title: Rel-18 Work Item Exception for "Security aspects of ranging based services and sidelink positioning"**

**Document for: Approval**

**Agenda Item:**

3GPP™ Work Item Exception

# Title : Security Aspects of Ranging Based Services and Sidelink Positioning

## Acronym : Ranging\_SL\_Sec

## Unique Identifier : 990046

**Release 18 Submission form**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Feature / Item:** | **Security aspects of support of Non-Public Networks phase 2** | | | | |
| **Affects:** | **UICC apps:** | **ME:**  **X** | **AN:**  **X** | **CN:**  **X** | **Others (specify):** |
| **Expected Completion Date:** | SA#101 (09-2023) | | | | |
| **Service(s) impacted:** | Ranging Based Services and Sidelink Positioning | | | | |
| **Specification(s) affected:** | TS 33.533 | | | | |
| **Task(s) within work which are not complete:** | Security and privacy for Ranging/SL positioning discovery is not completed yet.  Authorization for UE role and Ranging/SL positioning service exposure is not completed yet.  Security and privacy for Ranging/SL positioning unicast communication is not completed yet.  Security and privacy for broadcast/groupcast of Ranging/SL positioning control is not started yet. | | | | |
| **Consequences if not included in Release 18:** | Security and privacy for Ranging Based Services and Sidelink Positioning is not supported. | | | | |

**Abstract of document:**

The objective of the work item is to specify enhancements to 5GS on the security and privacy aspects for Ranging-based services and sidelink positioning. Specifically, as per conclusions reached within TR 33.893, the following aspects are included: 1) security and privacy protection for Ranging/SL positioning discovery; 2) security and privacy protection for Ranging/SL positioning service exposure to a third party; 3) security and privacy protection for unicast communication for Ranging/SL positioning control; 4) security and privacy protection for broadcast/groupcast communication for Ranging/SL positioning control.

**Contentious Issues:**

Protection for the DCR messages of V2X capable UEs.

Protection for groupcast/broadcast of Ranging/SL positioning control.