3GPP TSG-SA3 Meeting #111 S3-233430

Berlin, Germany, 22 - 26 May 2023

**Source: CATT (to be SA3)**

**Title: Rel-18 Work Item Exception for 5G\_ProSe\_Ph2**

**Document for: Approval**

**Agenda Item: 4.25**

3GPP™ Work Item Exception

# Title : Security Aspects of Proximity-based Services in 5GS Phase 2

## Acronym : 5G\_ProSe\_Ph2

## Unique Identifier : 990045

**Release 18 Submission form**

|  |  |
| --- | --- |
| **Feature / Item:** |  |
| **Affects:** | **UICC apps:****Don’t know** | **ME:****X** | **AN:****X** | **CN:****X** | **Others (specify):** |
| **Expected Completion Date:** | Sept., 2023, SA#101 |
| **Service(s) impacted:** | ProSe services |
| **Specification(s) affected:** | TS 33.503 |
| **Task(s) within work which are not complete:** | - There are Editor’s Notes for 5G ProSe UE-to-UE Relay Discovery that need to be addressed.- There Editor’s Notes for Security for emergency service from 5G ProSe Remote UE via 5G ProSe UE-to-Network Relay that need to be addressed.- There are Editor’s Note for Security of 5G ProSe PC5 Communication for 5G ProSe Layer-3 UE-to-UE Relay with network assistance that need to be addressed.- There is no content for Selection between mechanisms with or without network assistance.- There is no content for Identity privacy for communication for 5G ProSe Layer-3 UE-to-UE Relay.- There is no content for Security procedure for 5G ProSe Layer-2 UE-to-UE Relay.- There is no content for Security for 5G ProSe UE-to-UE Relay Communication with integrated Discovery. |
| **Consequences if not included in Release 18:** | - There is no security mechanism for 5G ProSe UE-to-UE relay and emergency service for 5G ProSe UE-to-Network relay. |

**Abstract of document:**

Exception sheet for Security Aspects of Proximity-based Services in 5GS Phase 2.

**Contentious Issues:**

- Validity of protected discovery sets in Relay announcements messages.

- L2 U2U relay reselection security using pre-established keys and privacy of KNRP ID.

- Selection between mechanisms with or without network assistance.

- Security for 5G ProSe UE-to-UE Relay Communication with integrated Discovery.