**3GPP TSG-SA3 Meeting #124 draft S3-253774-r2**

**Wuhan, China, 13 – 17 October 2025**

**Source: Ericsson, Samsung(?), Huawei(?), HiSilicon (?), InterDigital(?), Xioami(?), Apple(?), Nokia(?), OPPO(?), ZTE, CableLabs**

**Title: New Security Area on 6G RAN Security**

**Document for: Approval**

**Agenda item: 5.3.1**

**Spec: 3GPP TR 33.801-01**

**Version: 0.1.0**

**Work Item: FS\_6G\_SEC**

**Comments**

This contribution proposes a new security area for TR 33.801-01.

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

# 4 Security areas and high level security requirements

## 4.1 Security areas

Editor's Note: This clause further clarifies the scope of the study by listing the security areas that SA3 is working on.

This document includes the following security areas:

1. <security area name> deals with <short description>

X) RAN **security** deals with the security aspects of 3GPP access network, e.g., RAN architecture, protocol stack, interfaces, procedures, interaction with UEs.

\* \* \* Next Change \* \* \*

# 5 Key issues and solutions

## 5.x Security area #x: RAN security

### 5.x.1 Introduction

Purpose is to study potential attack vectors, vulnerabilities, security and privacy risks, impact and mitigations. This includes the following aspects:

Editor’s Note: To be aligned and in coordination with TR 38.914 as 6G RAN study progresses in RAN WGs.

- Radio protocol stack, architecture and procedures

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Editor’s Note: Lower layer security is FFS.

Editor’s Note: Examples are FFS.

- Mobility and state transitions within 6G radio

- Mobility between 5G NR and 6G Radio

NOTE: Mobility aspects that affect the core network security context are included in other security areas.

- Interfaces within RAN and between RAN and core network

Editor’s Note: Other aspects are FFS.

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