**3GPP TSG-SA3 Meeting #119AdHoc-e S3-250140-r2**

**Online, Electronic meeting, 13 -16 January 2025**

**Source: OPPO**

**Title: Update Solution 19 in TR 33.713**

**Document for: Approval**

**Agenda item: 5.9**

**Spec: 3GPP TR 33.713**

**Version: 0.5.0**

**Work Item: FS\_Ambient\_IoT\_Sec**

**Comments**

This pCR proposes to conclude KI#1 for FS\_AIOT\_SEC in TR 33.713.

**Proposed Changes**

\* \* \* Start of Change \* \* \* \*

## 5.1 Key Issue #1: Protection for disabling device operation

### 5.1.1 Key issue details

As specified in TS 22.369 [2], the enable/disable device operation is used for the operator to manage the Ambient IoT device, which can enable/disable the Ambient IoT device's capability to transmit RF signals. Based on operator policy, there are two categories of disabling device operations, i.e. permanent disabling of the capability and temporary disabling of the capability.

### 5.1.2 Threats

As a management operation, the availability of Ambient IoT devices will be impacted if the disabling device operation is not securely performed. For example, if the Ambient IoT device follows the spoofed permanent/temporary disable device operation from an attacker, the Ambient IoT devices will not respond to the network either permanently, or for a period of time, leading to the Denial of Service (DOS).

### 5.1.3 Potential security requirements

The means for an operator to securely disable the Ambient IoT device(s)’s capability to transmit RF signals shall be supported.

Editor’s Note: Whether the solutions for this key issue are the same or different from those for communication protection issue is FFS.

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