3GPP TSG-RAN WG3 Meeting #124 R3-24xxxx

**Fukuoka, Japan, 20 – 24 May, 2024**

Title: Inventory and Command over CN-RAN interface

Agenda Item: 16.3

Source: Huawei

Document for: pCR

# 1 Introduction

This paper provides the pCR to TR 38.769 on Inventory and Command based on the online discussion and offline discussion.

# 2. TP for TR 38.769 (based on R3-243103)

***----------------Start of the First Change----------------***

## 6.3 Impacts on CN-RAN interface

Editor’s note: Corresponds to the first RAN3 objective in the SID, to identify necessary impacts on signaling and procedures for CN-RAN interface.

### 6.3.1 General

The purpose of this clause is to identify the functions and procedures supported by CN-RAN interface for AIoT.

### 6.3.1 Information exchanged on the CN-RAN interface for AIoT

#### 6.3.1.1 Inventory

Inventory over CN-RAN interface can be triggered for a single device, or a group of devices, or all devices.

In Topology 1, the Inventory Request from the AIoT CN to the AIoT RAN, includes the following:

(1) AIoT Device Identification (to find a single device, a group of devices, or all devices)

Note 1: The definition of this identification is out of RAN3 scope..

Editor’s Note: It is FFS whether AIoT RAN needs to interpret/store/process it.

(2) Scope of inventory request (e.g., a certain area, or certain readers, in which the inventory is triggered)

In both Topology 1 and Topology 2, multiple individual AIoT Device IDs (one ID per device) can be provided to the AIoT CN node via a single Inventory Report.

Editor’s Note: And it is up to SA2 whether device ID is sent transparent or not. It is also FFS whether and how the AIoT Device ID indicated in the Inventory Request needs to be associated with the AIoT Device ID indicated in the Inventory Report.

***----------------End of the Changes----------------***