3GPP TSG-RAN WG3 Meeting #128 R3-253524

St Julian’s, Malta, 19 – 23 May, 2025

Agenda Item: 20.2

Source: ZTE Corporation, Xiaomi, CATT, Ericsson

Title: (TP to TS 38.401) Support of AI/ML assisted positioning

Document for: Discussions & Approval

# 1 Introduction

This contribution is to reflect the feature of AI/ML assisted positioning in the TS 38.401.

# 2 Text Proposal

<<<<<<<<<<<<<<<<<<<< First Change >>>>>>>>>>>>>>>>>>>>

## 7.6 Positioning

The NG-RAN supports the positioning functionality as specified in TS 38.305 [25].

## 7.11 Support of AI/ML for NG-RAN

The support of AI/ML for NG-RAN is specified in TS 38.300 [2].

In case of CU-DU split architecture, the following scenarios may be supported:

- AI/ML Model Training is located in the OAM and AI/ML Model Inference is located in the gNB-CU.

- AI/ML Model Training and Model Inference are both located in the gNB-CU.

## 7.xx Support of AI/ML for NR Air Interface

The support of AI/ML assisted positioning is specified in TS 38.300 [2].

In case of CU-DU split architecture, the following scenario may be supported:

- AI/ML Model Training and Model Inference are both located in the gNB-CU.

Editor’s Note: AI/ML Model Training located in the OAM is FFS.<<<<<<<<<<<<<<<<<<<< End of Changes >>>>>>>>>>>>>>>>>>>>