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

Fukuoka City, Fukuoka, Japan, 20th – 24th May, 2024

**Agenda item: 11.4**

**Source: Nokia**

**Title: (TP for TR 38.743) Continuous Management-based MDT Data Collection**

**Document for: Text Proposal**

# 1 Introduction

This TP reflects the use case description for Continuous MDT collection targeting the same UE across RRC states.

# 2 Text Proposal for TR 38.743

<<< start of changes >>>

## 5.4 Continuous MDT collection targeting the same UE across RRC states

*Editor Note: Capture the description and its potential standard impacts.*

## 5.4.1 Use Case Description

In management-based MDT, a UE is not uniquely identified in the MDT activation. Therefore, when a UE transits to RRC\_Connected state the network does not have standardized means to select a “specific” UE for continuous MDT.

The problem of continuous data collection for management-based MDT can be described as follows: A UE in the RAN can be configured with management-based Logged MDT when in RRC\_Idle and RRC\_Inactive states and with management-based Immediate MDT when in RRC\_Connected state. The question about maintaining Data Collection continuity in this scenario is two-fold. It is related to:

* **Problem A (measurement continuity)**: How to ensure that the same UE collecting logged MDT in RRC\_Idle and RRC\_Inactive states will be selected for immediate MDT upon transition to RRC\_Connected state.
* **Problem B(trace correlation)**: How to ensure that the TCE that eventually receives the MDT Records can associate the received MDT measurements to a data collection session of measurements from the same UE

<<< end of changes >>>