3GPP TSG-RAN WG3 Meeting #125 R3-244747

Maastricht, NL, 19th - 23rd August 2024

Agenda Item: 11.1

Source: ZTE Corporation, NEC, Samsung, Lenovo, CATT, Qualcomm, Nokia, Huawei, CMCC, China Telecom, China Unicom, Telecom Italia

Title: (TP for TR38.743) Conclusion on AI/ML NG-RAN Enhancements

Document for: Text Proposal

# Introduction

RAN3#125 is the last meeting for the SI “AI/ML NG-RAN Enhancements.” In this contribution, we provide the TP to conclude the progress and content for the two new use cases and Rel-18 leftovers, which should be taken as the basis during the Rel-19 normative phase.

# 2 TP to TR 38.743

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

# 6 Conclusion

The following new use cases are recommended by RAN3 to be specified in the Rel-19 normative phase:

* AI/ML-based Network Slicing
* AI/ML-based Coverage and Capacity Optimization

Recommended solutions and standard impacts for each use case are based on section 4.1.2 and section 4.2.2.

For each use case above it is recommended taking the corresponding section “Solutions and standard impacts” (section 4.1.2 and 4.2.2) as basis during the normative work.

The following Rel-18 leftovers are recommended by RAN3 to be specified in Rel-19 normative phase:

* Mobility Optimization for NR-DC
* Split architecture support for Rel-18 use cases
* Continuous MDT collection targeting the same UE across RRC states

The corresponding descriptions and potential standard impacts for each Rel-18 leftovers above shall be taken as baseline during the normative phase.

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