**3GPP TSG RAN WG1 #122 R1-250XXXX**

**Bengaluru, India, Aug 25th – 29th, 2025**

Agenda Item: 8.1

Source: Ad-Hoc Chair (Ericsson)

Title: Session notes for 8.1 Maintenance on Artificial Intelligence (AI)/Machine Learning (ML) for NR Air Interface

Document for: Discussion, Decision

1.

## Maintenance on Artificial Intelligence (AI)/Machine Learning (ML) for NR Air Interface

[122-R19-AI/ML] Email discussion on AI/ML – Juan (Qualcomm)

* To be used for sharing updates on online/offline schedule, details on what is to be discussed in online/offline sessions, tdoc number of the moderator summary for online session, etc

R1-2506171 Draft CR for TR 38.843 with RAN1 agreements Qualcomm Incorporated

### Specification support for beam management

R1-2505202 Maintenance of Rel-19 AI/ML for beam management Huawei, HiSilicon

R1-2505252 AI/ML based Beam Management Google

R1-2505312 Remaining issues on AI/ML-based beam management CATT

R1-2505367 Maintenance on specification support for beam management vivo

R1-2505425 Maintenance on AI/ML for beam management Xiaomi

R1-2505483 Discussion on maintenance of AI beam management ZTE Corporation, Sanechips

R1-2505530 Remaining issues on AI/ML based beam management Samsung

R1-2505657 Maintenance of AI beam management Ofinno

R1-2505731 On specification for AI/ML-based beam management OPPO

R1-2505785 Maintenance on AI/ML-based beam management Panasonic

R1-2505799 Maintenance on AI/ML Beam Management Nokia

R1-2505814 Maintenance on AI/ML for beam management LG Electronics

R1-2505872 Remaining issues in AI/ML enhancements for beam management Apple

R1-2505928 Remaining issues on specification support for beam management NEC

R1-2505958 Remaining issues on specification support for beam management Fujitsu

R1-2506044 Maintenance on AI/ML specification support for beam management Lenovo

R1-2506050 Discussion on specification support for beam management ETRI

R1-2506074 Maintenance of specification support for beam management CMCC

R1-2506168 Maintenance on Rel-19 AI/ML Beam Management Ericsson

R1-2506172 Specification support for AI-ML-based beam management Qualcomm Incorporated

R1-2506246 Remaining issues on specification support for beam management Sharp

R1-2506269 Maintenance on AI/ML for beam management NTT DOCOMO, INC.

R1-2506337 Discussion on AIML based beam management ASUSTeK

### Specification support for positioning accuracy enhancement

R1-2505178 Remaining Issues of AI/ML for Positioning Accuracy Enhancement Ericsson Telecom S.A. de C.V.

R1-2505203 Maintenance of Rel-19 AI/ML for positioning accuracy enhancement Huawei, HiSilicon

R1-2505253 AI/ML based Positioning Google

R1-2505313 Remaining issues on AI/ML-based positioning CATT, CICTCI

R1-2505368 Maintenance on specification support for positioning accuracy enhancement vivo

R1-2505484 Discussion on maintenance of AI positioning enhancement ZTE Corporation, Sanechips

R1-2505531 Remaining issues on AI/ML based positioning Samsung

R1-2505732 On specification for AI/ML-based positioning accuracy enhancements OPPO

R1-2505800 Maintenance on AI/ML Positioning Accuracy Enhancement Nokia

R1-2505829 Remaining issues on AI/ML based positioning InterDigital, Inc.

R1-2505873 Remaining issues on Specification support for positioning accuracy enhancement Apple

R1-2505925 Remaining issues on AIML based positioning accuracy enhancement NEC

R1-2506075 Maintenance of specification support for positioning accuracy enhancement CMCC

R1-2506173 Specification support for AI-ML-based positioning accuracy enhancement Qualcomm Incorporated

R1-2506247 Remaining issues on specification support for AI/ML based positioning accuracy enhancements Sharp

R1-2506270 Maintenance on AI/ML for positioning accuracy enhancement NTT DOCOMO, INC.

### Specification support for CSI prediction

R1-2505139 Maintenance for CSI prediction Ericsson

R1-2505151 Text proposal on specification support for AI/ML processing unit FUTUREWEI

R1-2505204 Maintenance of Rel-19 AI/ML for CSI prediction Huawei, HiSilicon

R1-2505254 AI/ML based CSI Prediction Google

R1-2505314 Remaining issues on AI/ML-based CSI prediction CATT

R1-2505369 Maintenance on specification support for CSI prediction vivo

R1-2505426 Discussion on remained issues on AI based CSI prediction Xiaomi

R1-2505485 Discussion on maintenance of AI CSI prediction ZTE Corporation, Sanechips

R1-2505532 Remaining issues on AI/ML based CSI prediction Samsung

R1-2505733 On specification for AI/ML-based CSI prediction OPPO

R1-2505765 Specification support for CSI prediction Quectel

R1-2505801 Maintenance on AI/ML CSI Prediction Nokia

R1-2505815 Maintenance on CSI prediction LG Electronics

R1-2505874 Remaining issues for AI based CSI prediciton Apple

R1-2505934 Remaining issues on specification support for CSI prediction NEC

R1-2505996 Discussion on AI/ML for CSI prediction HONOR

R1-2506076 Maintenance of specification support for CSI prediction CMCC

R1-2506174 Specification support for CSI prediction Qualcomm Incorporated

R1-2506248 Remaining issues on specification support for AI/ML based CSI prediction Sharp

R1-2506271 Maintenance on AI/ML for CSI prediction NTT DOCOMO, INC.

R1-2506338 Discussion on AIML based CSI prediction ASUSTeK