3GPP TSG RAN Meeting #102
Edinburgh, Scotland, December 11-15, 2023
Agenda Item: 9.1.1.1

RP-232767

Consideration on Rel-19 AIML Air Interface

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Consideration on Rel-19 AIML for NR air interface(1/3)

❑ Motivation

- In terms of discussion in RAN#101 and the progress of Rel-18 AI/ML for air interface om TR 38.843, our suggestions are as follows
  - ✓ Preliminary evaluation results of Beam Management and positioning show some benefit based on AI/ML
  - ✓ CSI compression & prediction aren't recommended for normative work due to lack of results on the performance gain
  - ✓ Functionality-based LCM framework is included Rel-19 AIML for NR air interface WI

Consideration on Rel-19 AIML for NR air interface(2/3)

❑ Proposals

- **Proposal 1:Support Beam Management for DL Tx prediction in both UE-sided and NW sided model is included Rel-19 AIML for NR air interface WI;**
- **Proposal 2: Support at least one of all 5 sub use cases(1/2a/2b/3a/3b) for positioning is included Rel-19 AIML for NR air interface WI;**

Consideration on Rel-19 AIML for NR air interface(3/3)

❑ Proposals(Cont’)

- **Proposal 3: CSI compression & prediction aren’t recommended for normative work in Rel-19;**
- **Proposal 4: Support at least functionality-based LCM framework is included Rel-19 AIML for NR air interface WI.**

THANKS