**3GPP TSG-RAN WG2 Meeting #130 R2-25xxxxx**

**St. Julians, Malta, May 19th– 23rd, 2025**

Agenda Item: 8.3.1

Source: OPPO

Title: Summary of [AT130][021][AI Mob] TR update (Oppo)

Document for: Discussion, Decision

# Introduction

During online discussion, RAN2 decide to have a short @meeting offline to collect views on how to capture simulation result in TR [1][2]:

* [AT130][021][AI Mob] TR update (Oppo)

Intended outcome:

Phase 1:

- review and agree to TR to submit for information to plenary – including simulation results and observations/agreements (AT meeting to continue to short deadline)

- review spreadsheet and provide comments

Rapporteur’s intention is to collect relative high-level comments or questions on the structure, content etc so that we may fix during the meeting and leave small issues to short post email week. The offline discussion can proceed mainly by email. In any case, we can also discuss face to face if any important issue(s) are identified. Note TP[1] is on top of TP[3] of post email discussion. Since TP[3] is endorsed. Comments and questions are only limited to the delta part.

# Discussion

The simulation results captured in section 5.2.2.1[1] is the best one from companies who provided the corresponding simulation result. If there is a Figure above the table, it is for illustration purpose by picking one of the results. For example, the data for Figure 5.2.2.1.1-1 is to illustrate average prediction accuracy of the combination {MRRT=50%, UE speed=30km/h} in Table 5.2.2.1.1-1. The Figures are not exhaustive i.e. company are invited to comment whether additional Figure(s) are needed.

**Q1: Comments and/or questions for simulation results captured in section 5.2.2.1 [1]**

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| --- | --- |
| Company Name | Comments and/or questions |
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The simulation results captured in section 5.2.2.2[1] for generalization study. The results are not prediction accuracy of baseline, GC#1 and GC#2 directly. Instead, the difference of prediction accuracy between GC#1/2 and baseline is captured to reflect the “prediction accuracy loss”. Positive value(loss) means the prediction accuracy of GC#1/2 is worse than baseline and negative value (gain) reflects the situation of the other way around. Note there is no Figure available yet, if necessary.

**Q2: Comments and/or questions for simulation results captured in section 5.2.2.2 [1]**

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| Company Name | Comments and/or questions |
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The simulation results captured in section 5.2.3[1] are to reflect the F1 score of measurement event prediction based on intra-frequency temporal domain case A and case B. Note there is no Figure available yet, if necessary.

**Q3: Comments and/or questions for simulation results captured in section 5.2.3 [1]**

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| Company Name | Comments and/or questions |
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The simulation results captured in section 5.5.2[1] is to reflect the system level performance, namely HOF ratio, total number of HOF per UE per second and total number of HO attempts per UE per second. The intention of the simulation is to show the performance gain compared to baseline. That’s the reason the difference of SLS metrics between AI and baseline (legacy L3 handover) are captured in the TP. Note there is no Figure available yet, if necessary. For results in the tables, negative/positive value means gain/loss respectively. Note there is no Figure available yet, if necessary.

**Q4: Comments and/or questions for simulation results captured in section 5.5.2 [1]**

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| Company Name | Comments and/or questions |
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For the simulation results captured in [2] comments received during online discussion is that there is no place to present the picked simulation results illustrated in Figures. The suggestion from Qualcomm is that additional sheet(s) can collect the picked simulation results so that people can track the data of the Figures. Another comment is to remove the “ratio of total number of companies”. More comments are welcome for [2].

**Q5: Comments and/or questions for simulation results captured [2]**

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| Company Name | Comments and/or questions |
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# Conclusion

# Reference

[1] R2-2503542 Draft text proposal to capture simulation results OPPO pCR Rel-19 38.744 0.0.8 FS\_NR\_AIML\_Mob

[2] R2-2503778 Report of [POST129bis][020][AI Mob] Sim. Results Figures (Mediatek) MediaTek Inc. discussion

[3] R2-2503541 Text proposal of TR 38.744 OPPO pCR Rel-19 38.744 0.0.8 FS\_NR\_AIML\_Mob