**3GPP TSG-RAN2 Meeting#131R2-250xxxx**

**Bengaluru, India, 25 – 29 August, 2025**

**Agenda Item: 8.11.1**

**Source: Samsung**

**Title: List of open issues in MAC**

**Document for: Discussion and Decision**

# 1 Introduction

This document is to collect views on remaining open issue related to the MAC running CR, as well as to identify other outstanding issues yet discussed but worth considering. Please provide your input no later than the **end of August 5 UTC**.

Also, please fill in the contact information in the table below when responding.

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| **Company** | **Contact Person** | **Email Address** |
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2. Open issues for MAC

**Open Issue MAC-1:** **RO type fallback to higher Msg1 repetition number when the same is not available.**

**Issue description:** During last meeting, there was an FFS point related to RO type fallback left for further discussion as captured below. Specifically, we have agreed that RO type fallback is allowed for the resource set with same feature combination and same Msg1 repetition number, while whether it is allowed for that with same feature combination and *higher* Msg1 repetition number, when the same Msg1 repetition number is not available, is still FFS.

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| R2-2504743 Summary of [AT130][209][SBFD] Proposals to address MAC-2 and MAC-3 Samsung discussion Rel-19 NR\_duplex\_evo-Core   * Noted   *Proposal 1. For RACH fallback from one RO type to another, the UE shall only be allowed to switch to an RO type that is configured with the same feature combinations. (13/13 supported)*  *Proposal 2. The UE is allowed to switch to an RO type that is configured with the same Msg1 repetition number. FFS on higher Msg1 repetition number, if the same is not available.*  Discussion  - Ericsson ok with P1, but for P2, think UE shall also check rsrp threshold.  - LG E, CMCC, ZTE ok with P1 and P2.  - Samsung think the P1 and P2 are compromise and think we can agree.  - Nokia think for P2 we can discuss further including ‘higher’ and ‘same’.   * For RACH fallback from one RO type to another, the UE shall only be allowed to switch to an RO type that is configured with the same feature combinations. * The UE is allowed to switch to an RO type that is configured with the same Msg1 repetition number. FFS on higher Msg1 repetition number, if the same is not available. |

To streamline the discussion for Open Issue MAC-1, please kindly indicate your preferred option along with the rationale behind your choice for the Question 1.

***Question 1: When RO type fallback condition is met, do companies think we should allow RO type fallback to the resource set with higher Msg1 repetition number than the current one, when the resource set with the same number is not available?***

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| **Company** | **Yes (Allow)/No (Disallow)** | **Comments** |
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3. Other open issues for MAC

Please list any other outstanding open issues that are critical for the MAC running CR to be fully functional. It is recommended to preclude the issues that have been discussed during the past meetings, to ensure efficient use of the remaining time budget.

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| **Company** | **Other identified open issues? (please describe)** |
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**[Summary]**

4. Conclusions

The following proposals have been provided based on feedback to the above document:

[Proposals for easy agreement without contributions]

[Issues for further discussion via contributions]