3GPP TSG-RAN WG2 #131 R2-250XXXX

Bengalore, India, August 25 – 29, 2025

Agenda: x.x.x

Source: Ericsson

Title: Comments on MIMO Running CR for TS 38.331

Document for: Discussion, Decision

# 1 Introduction

This document collects comments for the following e-mail discussion:

* [Post130][218][MIMO\_Ph5] Running CR for 38.331 (Ericsson)

Intended outcome: Updated and reviewed the CR for endorsement, update the open issue list if needed, can also discuss open issues to form proposals to the next meeting

Deadline: Long

Companies are invited to provide contact details on the table below.

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# Discussion

The running CR implements the latest agreements from RAN2#130, L1 parameters in R1-2503243 and editorial updates. The additions compared to the previous version are with user “RAN2#131”.

Please do not make changes/comments directly on the running CR – companies are invited to provide suggested changes/comments on the table below. To make it easier to track and reply to the comments, please label each comment i.e. [Issue 1], [Issue 2], and so on.

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| Company | Comments | Rapporteur response |
| CATT | [Issue 1]***singleDCI-MultiTRP-2TA***suggest to capture the RAN2 agreement in the field description as follows,Enables the single-DCI based multi-TRP with two TAs.[Issue 2]***eventTypeUE-IBR***according to the latest RAN1 parameter list, for the threshold associated with event-2 and event-7, the candidate values are limited to 0, 1, …, 30, 31 dB; for the threshold associated with event-1, the candidate values are limited to 14, …,113.Suggest to capture above information in the field description, as it is not reflected in clause 5.2.1.5.4 of TS 38.214[Issue 3]***eventInstanceCount***suggest to update the field description as follows,This parameter is used to inform the mininum number of Event-1, Event-2 or Event-7 instances for one same new beam within a configured time window *eventDetectionTimeWindow* that the UE can initiate UEIBM report. |  |
| Ofinno[Issue 1] | Since there are two types of UCI in UE-initiated beam reporting (e.g., one UCI carried in the first PUCCH transmission, and the second UCI is the actual CSI report), it is better to clarify it in the definition of the higher layer parameter *reportTransmissionMode* to avoid the ambiguity.***reportTransmissionMode***Indicates the transmission mode for UE-initiated beam reporting. Value *modeA* indicates to transmit UE-initiated beam report in a dynamically scheduled uplink grant and value *modeB* indicates to transmit UE-initiated beam report in a pre-configured type-1 configured uplink grant. |  |
| Ofinno[Issue 2] | The *pathlossOffset* field descriptionof the ***TCI-UL-State***has a typo.***pathlossOffset***Indicates the pathloss offset applied to the UL only TCI or joint TCI state. Value dB-12 corresponds to -12 dB, dB-8 corresponds to -8 dB and so on. |  |
| Ofinno[Issue 3] | Typos below for *CSI-ReportUE-IBR* field descriptions:***currentBeamReport***If configured, the UE includes measurements of the current beam in the UE-initiated beam report.***pucch-Resource***Indicates the periodic PUCCH resource for the UE initiated report indicator for both mode-A and mode-B UE-initiated beam reporting:- to request dynamically scheduled PUSCH to carry UE-initiated/event-driven beam report for mode-A;- to notify Type-1 CG PUSCH to carry UE-initiated/event-driven beam report for mode-B.***nrofReportedRS***The number of reported RS in the UE-initiated beam report. Value *n1* corresponds to 1, value *n2* corresponds to 2 and so on. |  |
| Ofinno[Issue 4] | In the last meeting, it was agreed to release PUCCH resources for Mode-A/B UEI CSI reporting when TAT expires, but this agreement has not been reflected in the TS 38.331 running CR.RAN2#130* When the TAT of the pTAG expires, UE releases PUCCH resource for mode-A/B UEI report and clears type-1 CG for mode-B UEI report. FFS for the case when the TAT expires on the sTAG.

TS 38.321 defines the MAC behavior to notify RRC to release PUCCH when TAT expires.Section 5.3.12 in TS 38.331 defines the RRC behavior upon receiving PUCCH release request from MAC. For example, the RRC shall release PUCCH-CSI-Resources configured for periodic and semi-persistent CSI reports. Since the PUCCH resources configured for Mode-A/B UEI-CSI reporting is different from the PUCCH resources configured by *PUCCH-CSI-Resource*, the UE behavior to release PUCCH resource for mode-A/B UEI report should be further captured based on the RAN2#130 agreement. Please find the suggested revision below:**TS 38.331**5.3.12 UE actions upon PUCCH/SRS release requestUpon receiving a PUCCH release request from lower layers, for all bandwidth parts of an indicated serving cell the UE shall:1> release PUCCH-CSI-Resources configured in *CSI-ReportConfig*;1> release *pucch-Resource* configured in *CSI-ReportUE-IBR;*1> release *SchedulingRequestResourceConfig* instances configured in *PUCCH-Config*. |  |
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