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

Bengalore, India, August 25 – 29, 2025

Agenda Item: x.x.x

Source: Ericsson

Title: Open issues for MIMO on 38.331

Document for: Information

# 1 Introduction

This contribution collects the open issues for Rel-19 MIMO on 38.331 with some remarks on how to treat them. As usual it is expected that further updates are captured based on L1 parameter list and small updates are discussed during running CR review, but the list below aims to capture additional/major aspects that may be missing.

# 2 Discussion

## 2.1 Potential issues to be closed and remaining open issues

We suggest to close a few issues compared to the last list (R2-2504185):

*Editor’s note: Once the full list of parameters is provided, CSI-ReportUE-IBM fields may be restructured to account for field dependencies in ASN.1 (e.g. by embedding valueOfQ in eventType and having a new reportConfigType).*

This is included in this draft version of 38.331 since most of the parameters for UE-IBM are now stable. Hence it is not listed anymore as open issues below. Further details can be discussed with comments to the running CR.

*Editor’s note: The description of CSI-ReportConfig IE may have further updates.*

An attempt is included in this draft version of 38.331, so it can be discussed during running CR updates and need not to be listed in the open issues.

*Editor’s note: The fields ul-BWP-Id, servCellIndex and periodicityAndOffset may have further updates.*

Since the L1 parameter list is quite stable now, it seems there are no further updates to these parameters and this could be closed.

*How to capture PL offset behaviour in RRC for handover and resume case.*

This was discussed last meeting and can be closed now.

*Editor’s note: this description may require further updates to capture the agreement “remove the restriction that RRC field tag2 is configured only if coresetPoolIndex is configured with more than one value;”.*

This was discussed last meeting and reflected in this draft version of 38.331, so it can be discussed during running CR updates and need not to be listed in the open issues.

*Editor’s note: this description may require further updates to capture the agreement “a single n-TimingAdvanceoffset is configured, i.e., n-TimingAdvanceOffset2 is not configured for 2TA in asymmetric DL sTRP/UL mTRP scenario”.*

The current field description of n-TimingAdvanceOffset2 already refers to 38.213, which in turn only applies to Rel-18 mDCI 2TA, i.e., when UE is configured with two coresetPoolindex values. Hence, it seems there is no need to update this field description and the issue can be closed.

Therefore, the following would be remaining issues:

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| Topic | Issue | Remarks |
| UEI BMR | FFS whether UEI BM parameters should be moved to CSI-MeasConfig. | Since now most of the parameters are stable this could be discussed based on company contributions.  |
| CSI-CRI | Editor’s note: FFS on how to define additionalOneSlotOffset***Doppler*** as a list. | This could be handled during a round of updates for 38.331 based on companies input. |
| CSI-CJTC | Parameter referenceAntennaPort is indicated in RAN1 list as follows: up to RAN2 regarding {1,..,x}, where x is x in ‘xTyR’ when SRS usage set to antenna switching. | This could be discussed based on company contributions. |
| Asymmetric DL sTRP/UL mTRP | In the last meeting, we have agreed to introduce a new parameter to enable Rel-19 2TA configuraiton, currently named *singleDCI-MultiTRP-2TA*. According to RAN1 UE feature, Rel-19 2TA is introduced for both intra-cell 2TA with no mDCI mTRP and inter-cell 2TA with no mDCI mTRP. The new parameter should be applied to both and LS to RAN1 may be needed to inform this. | This could be discussed based on company contributions. |

Regarding the issues suggested to be closed above, companies are invited to provide further views in case they think any of them should still be kept. In this case, it is helpful to also provide a suggested way forward on how to treat it (e.g. with company contributions, discussion during running CR update or postpone for now).

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| Company | Comments |
| CATT | No further comment |
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## 2.2 Other issues

If there are other issues that should be listed above, please insert those into the table below. To facilitate the discussion, if a company raises an issue, it is helpful to also provide a suggested way forward on how to treat it (e.g. with company contributions, discussion during running CR update or postpone for now).

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| Company | Comments |
| Samsung | In the last meeting, we have agreed to introduce a new parameter to enable Rel-19 2TA configuraiton, currently named *singleDCI-MultiTRP-2TA*. According to RAN1 UE feature, Rel-19 2TA is introduced for both intra-cell 2TA with no mDCI mTRP and inter-cell 2TA with no mDCI mTRP. The new parameter should be applied to both and LS to RAN1 may be needed to inform this.  |
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# 3 Conclusion

The open issues described in section 2 are for information to provide guidance on further discussions.