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

Bengaluru, India, Aug 25th – 29th, 2025

Agenda Item: 7.0.1

Source: Xiaomi

Title: Comment for [AT131][022][R18 UE caps] CR (Xiaomi)

Document for: Discussion and Decision

# Introduction

* [AT131][022][R18 UE caps] CR (Xiaomi)

Intended outcome: review and agree by email

Deadline: Thursday

Companies providing input to this email discussion are requested to leave contact information below.

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| **Company** | **Name** | **Email Address** |
| **Huawei, HiSilicon** | **David Lecompte** | **david.lecompte@huawei.com** |
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# Comment

Regarding the below rapporteur CR,

[R2-2505308](file:///C:\Users\panidx\OneDrive%20-%20InterDigital%20Communications,%20Inc\Documents\3GPP%20RAN\TSGR2_131\Docs\R2-2505308.zip) Corrections on Rel-18 UE capability descriptions, including [HARQ-ACK MUX on PUSCH] Xiaomi CR Rel-18 38.306 18.6.0 1322 - F NR\_MIMO\_evo\_DL\_UL, NR\_Mob\_enh2, Netw\_Energy\_NR, NR\_XR\_enh, NR\_NTN\_enh, NR\_SL\_enh2, TEI18

Companies are invited to provide comments **if there’s a change that is not agreeable**. Other comments are welcomed.

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| **Capability IE** | **Comment** | **Proposed Change** |
| ***mixCodeBookSpatialAdaptation-r18*** | It is unclear what "the support of multi-panel operation" (proposed to be added) is. | Identify the name of the concerned (combination of) UE capability. (not sure which one it is, sorry) |
| ***codebookParametersHARQ-ACK-PUSCH-r18***  ***codebookParametersHARQ-ACK-PUSCH-PerBC-r18*** | "A UE supporting this feature shall also indicate support of one of *multiplexingType1-r18*, *multiplexingType2-r18* and *multiplexingType3-r18*."  It could be misunderstood that "this feature" refers to ***codebookParametersHARQ-ACK-PUSCH-r18*** but actually, it refers to *pucch-DiffResource-PDSCH-r18* | "A UE supporting *pucch-DiffResource-PDSCH-r18* shall also indicate support of one of *multiplexingType1-r18*, *multiplexingType2-r18* and *multiplexingType3-r18*." |
| ***codebookParametersHARQ-ACK-PUSCH-r18***  ***codebookParametersHARQ-ACK-PUSCH-PerBC-r18*** | " A UE supporting this feature shall also indicate support of one of *multiplexingType1-r18*, *multiplexingType2-r18* and *multiplexingType3-r18*."  It could be misunderstood that "this feature" refers to ***codebookParametersHARQ-ACK-PUSCH-r18*** but actually, it refers to *diffCB-Size-PDSCH-r18* | " A UE supporting ***codebookParametersHARQ-ACK-PUSCH-r18*** shall also indicate support of one of *multiplexingType1-r18*, *multiplexingType2-r18* and *multiplexingType3-r18*."  Could also make a single sentence "A UE supporting *pucch-DiffResource-PDSCH-*r18 and/or **codebookParametersHARQ*-ACK-PUSCH-r18*** shall also indicate support of one of *multiplexingType1-r18*, *multiplexingType2-r18* and *multiplexingType3-r18*." |
| ***pusch-NonCB-SingleDCI-STx2P-SDM-CSI-RS-SRS-r18***  ***pusch-NonCB-SingleDCI-STx2P-SFN-CSI-RS-SRS-r18*** | In one place, " that the UE can process " is added and in another place it is " that UE can process " | Put "the" before "UE" in both places. |
| ***CodebookComboParametersCJT-r18*** | " Indicates the UE supports " should be "Indicates that the UE supports" |  |
| ***codebookParametersetype2CJT-r18***  ***codebookParametersetype2DopplerCSI-r18***  ***codebookParametersfetype2CJT-r18***  ***tdcp-Report-r18***  ***twoPUSCH-NonCB-Multi-DCI-STx2P-CSI-RS-Resource-r18*** | Why is mandatory requirement of *simultaneousCSI-ReportsAllCC* removed? |  |
| ***twoPUSCH-NonCB-Multi-DCI-STx2P-CSI-RS-Resource-r18*** | Why is mandatory requirement of *csi-RS-IM-ReceptionForFeedbackPerBandComb* removed? |  |
| ***codebookParametersetype2CJT-PerBC-r18***  ***codebookParametersetype2DopplerCSI-PerBC-r18***  ***codebookParametersfetype2CJT-PerBC-r18***  ***codebookParametersfetype2DopplerCSI-PerBC-r18***  ***tdcp-ReportPerBC-r18*** | Why is mandatory requirement of *csi-ReportFramework* removed? |  |
| ***pdcch-MonitoringCA-r18*** | "The UE supporting this feature shall also indicate support of *pdcch-Monitoring-r16* for (7,3) or (4,3) span based PDCCH monitoring and *pdcch-MonitoringSpan2-2-r18*." (addition)  Not sure this is entirely correct, mandatory support of pdcch-MonitoringSpan2-2-r18 is only for (2,2) span, but this is not captured. | Sorry, no TP at this stage, this needs some refinement. |