**3GPP TSG-RAN WG1 Meeting #114 R1-23xxxxx**

**Toulouse, France, 21-25 August, 2023**

**Agenda Item: 9.17**

**Source: Moderator (Huawei)**

**Title: Summary of email discussion [Post114-38.212-NR\_MC\_enh]**

**Document for: Discussion and Decision**

# Introduction

This document summarizes the discussions on the 38.212 draft CR on NR multi-carrier enhancements, and aims to stabilize the 38.212 draft CR.

[Post114-38.212-NR\_MC\_enh] Email discussion on Rel-18 draft CRs by September 7 – Editors

# First round discussions

This section summarize the first round email discussions on draft CR v00. Companies are encouraged to provide the first round views by 09/05 (Tuesday), 6:00am UTC, then we can update the draft CR accordingly for the next step discussions.

Editor: Note that per the guidance from Chairman, the email discussion here is only used to discuss the corrections for the ones that already have agreements. For issues that need new agreements should be discussed in the maintenance phase, e.g. for the issues listed in section 3.4 in R1-2304264 summary of email discussion from RAN1#112bis, i.e. field type for the field of minimum applicable scheduling offset indicator, whether to do DCI format level padding or DCI field level padding for type 2 fields, details of the field of SCell dormancy indication.

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| *Company* | *View* |
| Editor | The changes are marked with author “Yan Cheng\_post RAN1#114” on top of the version R1-2306313 endorsed in RAN1#113, which are to reflect the agreement on *rateMatchDCI-1-3* and *ZP-CSI-DCI-1-3* from RRC parameter discussion in RAN1#113. |
| CATT | 1. Based on the RRC parameters discussion, it’s still a controversial issue on how to configure TDRA table for a set of cells. We propose remove the yellow highlighted text below, since it’s related to the design of TDRA table and still under the discussion. 7.3.1.1.4 Format 0\_3- Time domain resource assignment –$\left⌈log\_{2}(I)\right⌉ $bits, where *I* is the number of entries in the higher layer parameter *TDRA-FieldIndexListDCI-0-3*. This field is used to indicate an entry in the higher layer parameter *TDRA-FieldIndexListDCI-0-3* according to Table 7.3.1.1.4-3. Each entry in the higher layer parameter *TDRA-FieldIndexListDCI-0-3* contains the ‘Time domain resource assignment’ index for each cell in the scheduled cell set, ~~where the ‘Time domain resource assignment’ indexes for all the cells are placed according to an ascending order of a serving cell index.~~ 7.3.1.2.4 Format 1\_3- Time domain resource assignment –$\left⌈log\_{2}(I)\right⌉ $bits, where *I* is the number of entries in the higher layer parameter *TDRA-FieldIndexListDCI-1-3*. This field is used to indicate an entry in the higher layer parameter *TDRA-FieldIndexListDCI-1-3* according to Table 7.3.1.2.4-2. Each entry in the higher layer parameter *TDRA-FieldIndexListDCI-1-3* contains the ‘Time domain resource assignment’ index for each cell in the scheduled cell set, ~~where the ‘Time domain resource assignment’ indexes for all the cells are placed according to an ascending order of a serving cell index.~~ [Chengyan]: Let’s keep it as it is for now, once there is formal agreement on the RRC parameter, we can see whether/how to update it accordingly. Let me add the following editor’s note to clarify this. *Editor’s note: Further update can be done once formal agreement on the RRC parameter for TDRA is agreed.* 2. We suggest adding a “for” before the cell set in clause 7.3.1 as the yellow highlighted text below.7.3.1 DCI formats- If *ScheduledCellCombo-ListDCI-0-3* for the cell set is configured, the size of DCI format 0\_3 is determined by the configuration of the corresponding active bandwidth part(s) of the scheduled cells in the entry which results in the largest size among the entries in the higher layer parameter *ScheduledCellCombo-ListDCI-0-3*; Otherwise, the size of DCI format 0\_3 is determined by the configuration of the corresponding active bandwidth part(s) of the cells configured by higher layer parameter *ScheduledCell-ListDCI-0-3* for the cell set;[Chengyan]: Thanks, it will be reflected in the next update.  |
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# Second round discussions

Please find the updated [draft CR v2](https://www.3gpp.org/ftp/tsg_ran/WG1_RL1/TSGR1_114/Inbox/drafts/9.17%28Other%29/38.212%20draft%20CRs/%5BPost114-38.212-NR_MC_enh%5D/R1-23xxxxx%20Introduction%20of%20Rel-18%20Multi-carrier%20enhancements_post%20RAN1%23114%20v2.docx) based on inputs from the first round. Companies are encouraged to provide the second round views by 09/06 (Wednesday), 16:00pm UTC if any.

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| *Company* | *View* |
| **Editor** | The only change is to add ‘for’ per the comment from CATT above in section 7.3.1 and also add one more editor’s note.  |
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