**3GPP TSG RAN WG1 Meeting #114 R1-230xxxx**

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

**Agenda item: 9.17**

**Source: Nokia, Nokia Shanghai Bell**

**Title: Summary on email discussion on Netw\_Energy\_NR**

**Document for: Discussion and Decision**

# 1 Introduction

This thread will discuss the draft CR to 38.214 for the Netw\_Energy\_NR.

First checkpoint for this discussion: **September 5th, 6:00 am UTC**!

# 2 Discussion – first round

The comments in this section are based on version 0 of the the draft CR available in the **Post RAN1#114 discussion. Version 00r01 contains some further updates!**

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| Company | Comments | Editor reply/Notes |
| Lenovo | 1. Regarding the added text in 5.1.6.1 (P3), is it possible to modify to:

“During non-active periods of cell DTX, the UE supporting cell DTX is not expected to receive the periodic CSI-RS and semi-persistent CSI-RS configured in CSI report configuration in *CSI-ReportConfig* ~~for CSI reporting~~ associated with the higher layer parameter reportQuantity comprising at least ‘RI’”In our understanding the intention of the corresponding agreement was to mute P/SP CSI-RS associated with CSI reporting (but not BM reporting). One way to differentiate between CSI and BM reporting is the presence of the ‘RI’ field in the report quantity, which is never combined with RSRP/SINR quantities. We are also unaware if “*CSI-ReoortConfig* for CSI reporting” suffices since the notion of beam/BM reporting never shows up in TS 38.214. We also welcome any other suggestions on how this is to be captured in the spec. Thank you 1. Regarding the comment on powerOffset at the end of Section 5.2.2.5 (P21), we share the same understanding as the editor that the word ‘difference’ is more precise. We also suggest to capture two other aspects in the same agreement, which are (1) “Only legacy values are applicable for the resulted power control offset values”, and (2) “Only legacy values are applicable for the resulted power control offset values”. In light of that, we suggest the following:

“if a sub-configuration indicates a power offset *[powerOffset]*,for CQI calculation, the UE shall assume the corresponding PDSCH signals transmitted on the antenna ports of a CSI-RS resource would have a ratio of EPRE to CSI-RS EPRE equal to the ~~[~~difference~~]~~ between *powerControlOffset* of the CSI-RS resource, given in Clause 5.2.2.3.1, and *[powerOffset], where* the difference between *powerControlOffset* of the CSI-RS resource *[powerOffset] is expected to take the same range of values as powerControlOffset* of the CSI-RS resource, given in Clause 5.2.2.3.1, and is also expected to take on a value that is no larger than the value of *powerControlOffset*”We would also welcome alternative wording that captures the same meaning. 1. Regarding the last paragraph in P23, Clause 5.2.3, the corresponding agreement states that “Follow legacy dropping rules for a CSI report containing multiple CSIs”. To the best of our knowledge, the only CSI report containing multiple CSIs, i.e., multiple values of the same CSI report quantity, is Rel-17 NCJT (CSI report configured with two Resource Groups and 𝑁 Resource Pairs). For Rel-17 NCJT CSI reporting, the entries in Table 5.2.3-1 are unchanged, whereas the content of each entry is captured only in TS38.212 (Clauses 6.3.1.1.2 and 6.3.2.1.2). We therefore respectfully suggest that the same styling of NCJT CSI reporting is adopted for NES.
2. For the first paragraph in Clause 5.2.4 (P25), we suggest replacing “in each corresponding reporting instance” to “in the same corresponding reporting instance”, since CSI corresponding to all reported sub-configurations is expected to be included in the same CSI report.
3. For the last paragraph in Clause 5.2.4 (P26), we suggest removing “one or more CSIs” since it is not needed. We therefore suggest the following

“For a Reporting Setting for which the *CSI-ReportConfig* contains a list of sub-configurations~~, for a given CSI report which contains one or more CSIs~~, omission of Part 2 CSI is defined in Clause 5.2.3.” |  |
| **Editor 02/09** | **I have made some further updates in v00r01, please consider this version in your review! I kindly ask Lenovo colleagues to take a look also at this updated version!**  |  |
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