**3GPP TSG-RAN WG1 Meeting #110R1-22XXXXX**

Toulouse, France, Aug. 22nd – 26th, 2022

**Agenda item: 8.3**

**Source: Moderator (Nokia)**

**Title: Moderator summary #X on RRC parameter corrections for NR Rel-17 URLLC/IIoT**

**Document for: Discussion and Decision**

# Introduction

As per chairman’s guidance, the email discussion is planned according to the following schedule:

[110-R17-IIoT\_URLLC] To be used for sharing updates on online/offline schedule, details on what is to be discussed in online/offline sessions, tdoc number of the moderator summary for online session, etc – Klaus (Nokia)

**This document is for the handling or RRC parameter corrections / alignment across all Rel-17 URLLC & IIoT features and enhancements in the affected RAN1 specifications**

# Discussions

* 1. Companies’ inputs
* Nokia provided draft CRs on 38.212, 38.213, 38.214 and 37.213 for all new RRC parameters defined in the Rel-17 WI (across all the features)
  + 38.212 in [R1-2206147](https://www.3gpp.org/ftp/TSG_RAN/WG1_RL1/TSGR1_110/Docs/R1-2206147.zip)
  + 38.213 in [R1-2206148](https://www.3gpp.org/ftp/TSG_RAN/WG1_RL1/TSGR1_110/Docs/R1-2206148.zip)
  + 38.214 in [R1-2206149](https://www.3gpp.org/ftp/TSG_RAN/WG1_RL1/TSGR1_110/Docs/R1-2206149.zip)
  + 37.213 in [R1-2206228](https://www.3gpp.org/ftp/TSG_RAN/WG1_RL1/TSGR1_110/Docs/R1-2206228.zip)
* In addition, ETRI identified a needed RRC parameter change for the dynamic repetition indication of the Cov. Enh. WI to the SPS HARQ-ACK deferral in 38.213 in Sec. 2.2 of [R1-2206948](https://www.3gpp.org/ftp/TSG_RAN/WG1_RL1/TSGR1_110/Docs/R1-2206948.zip)
* In addition, HW / HiSi identified tpc-index for PUCCH-sSCell needed corrections in 38.213 in [R1-2207661](https://www.3gpp.org/ftp/TSG_RAN/WG1_RL1/TSGR1_110/Docs/R1-2207661.zip)
  1. Initial (pre-meeting) moderator assessment & suggested handling during RAN1#110

**The identified RRC parameter changes in the documents listed above are valid and would need to be corrected (to be treated during RAN1#110).**

**Moderator suggested handling:**

* **For 38.212,** use the Nokia draft CR in [R1-2206147](https://www.3gpp.org/ftp/TSG_RAN/WG1_RL1/TSGR1_110/Docs/R1-2206147.zip) – change the sourcing companies to Moderator (Nokia), Nokia Shanghai Bell
* **For 38.213, combine the identified changes by NOK, HW & ETIR** making the following changes to Nokia draft CR in [R1-2206148](https://www.3gpp.org/ftp/TSG_RAN/WG1_RL1/TSGR1_110/Docs/R1-2206148.zip)
  + Include the changes identified by HW / HiSi in [R1-2207661](https://www.3gpp.org/ftp/TSG_RAN/WG1_RL1/TSGR1_110/Docs/R1-2207661.zip)
  + Include the identified changes of ETRI in Sec. 2.2. of [R1-2206948](https://www.3gpp.org/ftp/TSG_RAN/WG1_RL1/TSGR1_110/Docs/R1-2206948.zip) to Sec. 9.2.5 (SPS deferral) but do not include the change to 9.2.6 (as this is not related to the R17 URLLC /IIoT WI)
  + Change sourcing companies to Moderator (Nokia), Nokia Shanghai Bell, Huawei, HiSilicon, ETRI
  + **Note:** 
    - Suggested procedure & co-sourcing confirmed offline by HW/HiSi & ETRI already
    - Related combined draft CR can be found in the draft CR folder here as v000: [Directory Listing /ftp/tsg\_ran/WG1\_RL1/TSGR1\_110/Inbox/drafts/8.3(NR\_IIOT\_URLLC\_enh)/Overall WI/Draft CRs (3gpp.org)](https://www.3gpp.org/ftp/tsg_ran/WG1_RL1/TSGR1_110/Inbox/drafts/8.3(NR_IIOT_URLLC_enh)/Overall%20WI/Draft%20CRs)
* **For 38.214,** use the Nokia draft CR in [R1-2206149](https://www.3gpp.org/ftp/TSG_RAN/WG1_RL1/TSGR1_110/Docs/R1-2206149.zip) – change the sourcing companies to Moderator (Nokia), Nokia Shanghai Bell
* **For 37.213,** use the Nokia draft CR 37.213 in [R1-2206228](https://www.3gpp.org/ftp/TSG_RAN/WG1_RL1/TSGR1_110/Docs/R1-2206228.zip) – change the sourcing companies to Moderator (Nokia), Nokia Shanghai Bell
  1. Initial input by companies till Mon, 15.00 CET

**Question: Do you support treating the above during RAN1#110?**

|  |  |
| --- | --- |
| Yes - support: |  |
| No - not support: |  |

**Question: Do you support the suggested moderator handling?**

|  |  |
| --- | --- |
| Yes - support: |  |
| No - not support: |  |

**Comments on the moderator comments / suggested handling or any other comments to the draft CRs:**

|  |  |
| --- | --- |
| *Company* | *Comments* |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |

* 1. Scheduled offline session, Mon 22nd

There seems to be alignment CRs per specification to be done after this meeting (that moderator had not been aware of). So it seems that we could try to have some conclusion noted that these are to be referred to the related editor CRs.

So maybe we could have the following to be as an outcome of this offline session:

**Offline outcome:**

* For 38.212:
  + The identified RRC parameter corrections by Nokia /NSB in [R1-2206147](https://www.3gpp.org/ftp/TSG_RAN/WG1_RL1/TSGR1_110/Docs/R1-2206147.zip) are referred to the 38.212 editor alignment CR.
* For 38.213:
  + The identified RRC parameter corrections by Nokia / NSB in [R1-2206148](https://www.3gpp.org/ftp/TSG_RAN/WG1_RL1/TSGR1_110/Docs/R1-2206148.zip) are referred to the 38.213 editor alignment CR.
  + The identified RRC parameter corrections by Huawei / HiSilicon in [R1-2207661](https://www.3gpp.org/ftp/TSG_RAN/WG1_RL1/TSGR1_110/Docs/R1-2207661.zip) are referred to the 38.213 editor alignment CR.
  + The identified RRC parameter corrections by ETRI in Sec. 2.2. of [R1-2206948](https://www.3gpp.org/ftp/TSG_RAN/WG1_RL1/TSGR1_110/Docs/R1-2206948.zip) are referred to the 38.213 editor alignment CR.
* 38.214:
  + The identified RRC parameter corrections by Nokia / NSB in [R1-2206149](https://www.3gpp.org/ftp/TSG_RAN/WG1_RL1/TSGR1_110/Docs/R1-2206149.zip) are referred to the 38.214 editor alignment CR.
* 37.213:
  + The identified RRC parameter corrections by Nokia / NSB in [R1-2206228](https://www.3gpp.org/ftp/TSG_RAN/WG1_RL1/TSGR1_110/Docs/R1-2206228.zip) are referred to the 37.213 editor alignment CR.

# 3 Outcome

TBA