3GPP TSG-RAN WG2 #109bis-e R2-200xxxx

Electronic, 20 April – 30 April 2020

Agenda Item: 6.7.2.3

Source: Ericsson

Title: Summary on [AT109bis-e][027][IIOT] RRC (Ericsson)

Document for: Discussion, Decision

# 1 Introduction

In this paper, we summarize the part 1 of the following email discussion.

**[AT109bis-e][027][IIOT] RRC (Ericsson)**

Status: Started

Scope: Treat topics in 6.7.2.3, include to make CRs.

Part 1: Determine which issues that need resolution, find agreeable proposals. Deadline: April 24 0700 UTC

Part 2: RRC CRs implementing IIOT decisions from this meeting.

# 2 Discussion

Five papers are submitted [1][2][3][4][5]. To endorse draft CRs [1][2][3][4], we need agreements and these topics are under discussion in relevant sub-agenda summary. Thus, only paper [5] is needed to be further discussed.

Two issues are identified in paper [5]: 1) multi-SPS with only one SPS per BWP, and 2) clarify on PUCCH resources being common. The proposed solution is to move the sps-PUCCH-AN-ListPerCodebook into the PUCCH-Config, since each PUCCH-Config corresponding to one HARQ-ACK codebook, see below endorsed TP in the last RAN1 meeting [6].



The other candidate solution in paper [5] are related with RIL class 1 issue 44-51, which are expected to be accepted. On the other hand, regardless of the outcome, rapporteur agrees that the solution in [5] leads to a better ASN.1 design and we propose to re-struct the IE/field as follows

1. Add “sps-PUCCH-AN-CodebookResource-r16” to “PUCCH-Config” and remove IE SPS-PUCCH-AN-ListandIE SPS-PUCCH-AN-ListPerCodebook

**A draft CR can be found in the same draft folder.**

The intention is to have a better ASN.1 structure, not to change RAN1 agreement. Since this is different from the indicated RRC parameter list from RAN1, **companies are invited to provide comments below if they do not agree on the ASN.1 re-structuring proposal. Comments on the draft CRs are also appreciated.**

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| --- | --- |
| Company | Further comments (if any) |
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# 3 Conclusion

tbd

4 References

1. R2-2002754, DraftCR of RRC Open Issues, CATT
2. R2-2002974, Draft-CR on RRC open issues of 38.331, OPPO
3. R2-2002975, Draft-CR on split transmission of 38.323, OPPO
4. R2-2003377, Draft CR on introduction of EHC in LTE, Huawei, HiSilicon
5. R2-2003526, SPS Ack configuration in RRC, Qualcomm Incorporated
6. R1-2001227, Summary of email thread [100e-NR-L1enh\_URLLC-UCI\_Enh-02], Oppo