3GPP TSG-RAN WG3 #111-e R3-210989

25 January - 4 February 2021

**Agenda item: 10.2.1.1**

**Source: Huawei (moderator)**

**Title: CB: # 1001\_SONMDT\_PCISelect - Summary of email discussion**

**Document for: Approval**

# 1 Introduction

This paper provides summary of discussions on the following CB:

**CB: #** **1001\_SONMDT\_PCISelect**

**- Discuss and attempt to agree the stage-2 TP**

(HW - moderator)

Summary of offline disc R3-210989

# 2 For the Chairman’s Notes

Summary of first round discussion:

5 companies are fine to have such clarification in our stage 2 spec. Only 1 company thinks that it is implementation specific.

1 company provides some refinement comments on the TP.

[R3-210441](file:///C%3A%5CUsers%5Ceangcen%5CDocuments%5C3GPP_ETSI%5CRAN3%5CRAN3-111%5CEmailDiscussions%5CDocs%5CR3-210441.zip) is revised in R3-21xxxx, agreed.

# 3 Discussion

In [R3-210441](file:///D%3A%5CRAN3%5C111e%5CDocs%5CR3-210441.zip), it is proposed that:

**Proposal: It is proposed to agree on the stag 2 TP in Annex to enable the gNB restrict the PCI list when selecting a new PCI from the PCI list for a NR cell in case of distributed PCI selection.**

The reason is that in LTE, the eNB will restrict the PCI list by removing some PCIs which are used by neighbour cells. And in NR, the gNB cannot randomly select a PCI in the list as the PCI value for a NR cell. Without any description in stage 2 may make the specification ambiguous and mislead the product implementation.

**Please provide your view on the above proposal.**

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| --- | --- | --- |
| Company | Agree on the TP? (Yes/No) | Comment |
| Ericsson |  | We do not see the need for this CR because unlike in LTE, the Stage 2 of NR does not say that the CU selects a PCI randomly. Of course, a good implementation would select a non conflicting PCI |
| Nokia | Yes | No strong view, but would not be against some additional clarifications as proposed. |
| CMCC |  | We did not say gNB will select PCI randomly in stage2. But we are fine to have some clarification as we have in LTE |
| Qualcomm |  | Okay to have this clarification similar to LTE. |
| ZTE |  | This kind of clarification is fine with us, and the editorial change by Nokia can be considered. |

**Any comments on the TP if any can be provided here.**

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| --- | --- |
| Company | Comments on the TP |
| Nokia | A slight rewording could be: "The gNB may restrict this list by removing some PCIs that are reported by UEs, reported over the Xn interface by neighboring gNBs, and/or acquired through other methods, e.g. detected over the air using a downlink receiver." |

# 4 Conclusion, Recommendations [if needed]

If needed

# 5 References

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| [R3-210441](file:///C%3A%5CUsers%5Ceangcen%5CDocuments%5C3GPP_ETSI%5CRAN3%5CRAN3-111%5CEmailDiscussions%5CDocs%5CR3-210441.zip) | (TP for SON BL CR for TS 38.300):Further clarification on distributed PCI selection (Huawei) |