**3GPP TSG RAN WG2 Meeting #129 R2-250xxxx
, , 7th - 11th April 2025**

**Agenda item: 8.4.1**

**Source: ZTE Corporation, Sanechips**

**Title: Discussion for 37.340 CR**

**WID/SID: NR\_LPWUS-Core – Release 19**

**Document for: Discussion and Decision**

# 1 Introduction

This is a discussion document on 37.340 related issues for LP-WUS:

* [Post129][213][LPWUS] Running CR for TS 37.340 (ZTE)

Intended outcome: Running CR for submission to the next meeting

Deadline: Long

# 2 Discussion

## Issue 1: LP-WUS monitoring in NR-DC

The following agreements have been achieved in RAN1#118bis for the support of LP-WUS for DC case:

Agreement

LP-WUS is supported when UE is configured with NR-DC in RRC CONNECTED mode

* Above is supported for the case PDCCH monitoring is triggered by LP-WUS in the same cell group
* FFS: The cell(s) where PDCCH monitoring triggered by a LP-WUS is applicable

For NR-DC case when LP-WUS is supported, RAN1 has agreed that LP-WUS can only trigger PDCCH monitoring in the same cell group. We understand the LP-WUS operation would be per cell group.

Then within each cell group, it is worth considering the LP-WUS monitoring and the follow up PDCCH monitoring behaviors.

In NR-DC MCG, similar as the DCP monitoring, we understand the LP-WUS can only be configured to be monitored on the PCell.

**Question 1: Do companies agree that in NR-DC MCG, the LP-WUS can only be configured to be monitored on the PCell?**

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| **Company** | **Yes/No** | **Comments** |
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For NR-DC SCG, similar as the DCP monitoring, we understand the LP-WUS can only be configured to be monitored on the PSCell.

**Question 2: Do companies agree that in NR-DC SCG, the LP-WUS can only be configured to be monitored on the PSCell?**

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| **Company** | **Yes/No** | **Comments** |
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RAN1 has agreed that LP-WUS can only trigger PDCCH monitoring in the same cell group. We understand the LP-WUS operation would be per cell group and the LP-WUS in PCell of MCG and PSCell of SCG should be configured and to be monitored independently.

**Question 3: Do companies agree that the LP-WUS in PCell of MCG and PSCell of SCG should be configured and to be monitored independently?**

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| **Company** | **Yes/No** | **Comments** |
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## Issue 2: LP-WUS support in MR-DC

**Question 4:** **For the following MR-DC scenarios, which scenario(s) companies would like to support LP-WUS?**

* **NE-DC**
* **EN-DC**
* **NGEN-DC**
* **All**
* **None**

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| **Company** | **NE-DC/EN-DC/NGEN-DC/all/None?** | **Comments** |
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# 3 Comments on the CR

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| **Company** | **Comments** | **Rapporteur Feedback** |
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# Conclusion

Based on post-meeting email discussion, Rapporteur identify the following stage 3 open issues: