**3GPP TSG RAN WG2 Meeting #131bis R2-250xxxx
Prague, Czech Republic, 13th – 17th October 2025**

Agenda Item: 8.4.1

Source: ZTE (Rapporteur)

Title: Open issues for Rel-19 LP-WUS in TS 37.340

Document for: Discussion, Decision

# Introduction

This document is to collect open issues according to

* [Post131][212][LPWUS] CR for TS 37.340 (ZTE)

Intended outcome: Agree the CR for TS 37.340

Deadline:

1. Initial list of open issues by rapporteur, proposed resolutions for easy open issues or resolution options for other issues: sept. 19th
2. Input from other companies and final set of proposals and resolutions for identified issues that don’t require contribution input: Oct. 1st

NOTE: no contributions from other companies expected

NOTE: no contributions from other companies expected

## Contact information:

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# Open issues

## Remaining Open issues identified by the rapporteur

The rapporteur has included one open issue raised during the CR review, companies are invited to provide feedback on the resolution options before Oct. 1st.

**Issue 1: UE preferred offset via UAI for MR-DC**

The issue was raised by Xiaomi-Yanhua during the CR review:

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In current 37.340:

7.10 UE assistance information

In MR-DC, the UE can be configured to report MCG specific UE assistance information if the MN is a gNB and/or SCG specific UE assistance information if the SN is a gNB, if it prefers an adjustment on the connected mode DRX parameters, the maximum aggregated bandwidth, the maximum number of secondary component carriers, the maximum number of MIMO layers, whether the UE prefers the SCG to be deactivated, the minimum scheduling offset for cross-slot scheduling cycle length, and/or whether the UE is applying RLM/BFD measurements relaxation for power saving. In these cases, it is up to the network whether to accommodate the preference or how to use the relaxation status indications. SCG specific UE assistance information for power saving can be configured by the network via SRB1 or SRB3. SCG specific UE assistance information for power saving is directly transmitted to the SN via SRB3, if SRB3 is configured and the SCG is activated, otherwise UE transmits SCG specific UE assistance information for power saving in a transparent container to the MN.

UAI assistance information for power saving can be reported to SN by SRB3. In Rel-19 power saving, we have introduced UAI for UE preferred offset for LP-WUS monitoring, seems similarly it should be captured here.

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We have the following agreements related to UE preferred offset reporting via UAI:

RAN2#129bis: *If configured, the UE can signal a preferred time offset via UAI signalling*.

RAN2#130:*RAN2 assumes the design of UAI reporting for preferred time offset is same as the legacy, e.g. including the configuration, procedure, as well as prohibit timer, etc.*

And the agreement related to MR-DC:

RAN2#129bis:

*For NR-DC, the LP-WUS can be configured to be monitored at least on the PCell and PSCell. Wait for RAN1 progress on whether to allow LP-WUS configuration and monitoring on other Cells.*

*For NR-DC, the LP-WUS in MCG and SCG can be configured independently.*

*Apart from NR-DC, LP-WUS can also be supported in NE-DC, EN-DC, NGEN-DC. And proposal 1 and 2 also apply to NE-DC, EN-DC, NGEN-DC.*

Regarding the issue raised by Xiaomi, the rapporteur understand the key point is whether to support MCG and/or SCG specific UE assistance information for the preferred time offset.

For NE-DC, EN-DC, NGEN-DC, it is natural that UE can be configured to report MCG specific UE assistance information if the MN is a gNB and/or SCG specific UE assistance information if the SN is a gNB, if it has preferred time offset for LP-WUS.

While for NR-DC when both the MN and SN are gNB, it is worth considering whether to support CG specific reporting, i.e. UE can report preferred time offset for MCG and SCG independently. And the following options can be considered:

* Option 1: UE can report preferred time offset for MCG and/or SCG independently for NR-DC.
* Option 2: The UE preferred time offset via UAI applies to LP-WUS configuration in both MCG and/or SCG in NR-DC.

**Q1: Do companies agree that “*For MR-DC, UE can be configured to report MCG specific UE assistance information if the MN is a gNB and/or SCG specific UE assistance information if the SN is a gNB, if it has preferred time offset for LP-WUS*”?**

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| **Company** | **Yes/No** | **Comments** |
| CATT | Yes |  |
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**Q2: For preferred time offset reporting via UAI for NR-DC, which option do companies prefer?**

* **Option 1: UE can report preferred time offset for MCG and/or SCG independently for NR-DC**
* **Option 2: The UE preferred time offset via UAI applies to LP-WUS configuration in both MCG and/or SCG in NR-DC.**
* **Other?**

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| **Company** | **Option1/2/other** | **Comments** |
| CATT | Option 1 | This has been partially captured by RRC running CR. |
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## New Open issues raised by companies

Companies are invited to raise new open issues and/or provide feedback on the raised ones the before Oct. 1st.

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| **Company and comment ID (e.g. ZTE01)** | **Description of possible open issue** | **Rapporteur comment** |
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# Conclusions

The following proposals have been provided based on feedback to the above document:

[Proposals for easy agreement]

[Proposals for discussion]