**3GPP TSG RAN WG2 Meeting #130 R2-250xxxx
Malta, MT, 19th – 22th May, 2025**

**Agenda item: 8.5.1**

**Source: Apple (Rapporteur)**

**Title: Summary report of [POST130][108][NES] 38.304 CR (Apple)**

**WID/SID: Netw\_Energy\_NR\_enh-Core– Release 19**

**Document for: Discussion and Decision**

# 1 Introduction

This is a summary document on collection of comments to TS 38.304 CR during below running CR discussion:

* [POST130][108][NES] (Apple)

 **Scope:** Update 38.304 running CR (also including this meeting’s agreements and latest other RAN WGs’ inputs) and remaining essential idle/inactive open issues.

 **Intended outcome:** 38.304 running CR and remaining essential idle/inactive open issues.

**Deadline:** Long email discussion.

## Contact information:

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| Company | Delegate Name | Email |
| Apple | Peng Cheng | Pcheng24@apple.com |
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# 2 How open issues of RAN2#130 are handled

In RAN2#130, the following running CR was endorsed:

*R2-2503708 Running 38.304 CR for network energy saving Apple (Rapporteur) draftCR Rel-19 38.304 18.4.0 B Netw\_Energy\_NR\_enh-Core*

* *Endorsed.*

The endorsed CR has the following 2 open issues (EN):

* Editor Note: FFS whether the UE always ignores the legacy excluded cell lists received from a cell in which SIBxx is provided, irrespective of whether dedicated excluded cell lists being provided.
* Editor’s Note: FFS whether to explicitly capture the failure case of OD-SIB1 window expiry in 38.304.

After online and offline discussion of RAN2#130, CR rapporteur handled these open issues in the way summarized in Table.1.

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| **Open issue**  | **Any agreement in RAN2#130?** | **How CR Rapporteur handled it in new running CR**  |
| Editor Note: FFS whether the UE always ignores the legacy excluded cell lists received from a cell in which SIBxx is provided, irrespective of whether dedicated excluded cell lists being provided. | Yes:1. Rel-19 excluded cell list can be configured as an empty list. No new UE behavior is introduced (i.e. the UE supporting OD-SIB1 ignores legacy excluded cell list only if NES excluded cell list is present).
 | * Revise the text as follow:

If ~~dedicated inter-frequency and/or intra-frequency excluded cell lists (~~*intraFreqODSIB1-ExcludedCellList*, *~~interFreqODSIB1-ExcludedCellList~~*~~) are~~ is provided in system information, the UE supporting OD-SIB1 ignores *intraFreqExcludedCellList ~~/ interFreqExcludedCellList~~* and doesn’t consider the cell(s) (if any) in ~~the dedicated lists~~ *intraFreqODSIB1-ExcludedCellList* as candidates for cell reselection. If *interFreqODSIB1-ExcludedCellList* is provided in system information, the UE supporting OD-SIB1 ignores *interFreqExcludedCellList* and doesn’t consider the cell(s) (if any) in *interFreqODSIB1-ExcludedCellList* as candidates for cell reselection.1) According to Sharp 001, “inter-frequency and/or intra-frequency” and “ignores intraFreqExcludedCellList / interFreqExcludedCellList” is unclear in which case to ignore which IE. To alleviate the ambiguity, separately describe inter-frequency and intra-frequency.2) (if any) is added to cover the case that the NES dedicated excluded cell list can be empty.* Remove the EN.
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| Editor’s Note: FFS whether to explicitly capture the failure case of OD-SIB1 window expiry in 38.304. | Yes:1. Same as the other 2 agreed cases of OD-SIB1 acquisition failure, capture the failure case of OD-SIB1 window expiry in TS 38.304. RAN2 confirm no other cases need to be considered and specified in TS 38.304.
 | * Capture the failure case of OD-SIB1 window expiry as one condition of UE barring the NES cell.
* The EN is removed.
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# 3 Other changes

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| **Description of the change**  | **Reason for the change** |
| Section 7.1:For a UE in RRC\_IDLE and RRC\_INACTIVE and supporting paging adaptation, if *pagingAdaptation-NS* and *pagingAdaptationNAndPagingFrameOffset* are signaled in *SIB1*, it determines the value of Ns from *pagingAdaptation-NS,* N and PF\_offset from the parameter *pagingAdaptationNAndPagingFrameOffset* as defined in TS 38.331 [3], and only monitors the PO(s) derived from these paging parameters. If *parameter firstPDCCH-MonitoringOccasionOfPO-r19* is signalled in *SIB1*, the UE uses it to determine the PDCCH monitoring occasions for paging as specified in TS 38.331 [3].  | Capture the following RAN2#130 agreement:1. Introduce a new optional firstPDCCH-MonitoringOccasionOfPO-r19 field parameter for Rel-19 UEs that support adaptive paging.
 |
| Section 7.2.1:For a UE supporting paging adaptation and PEI, if *pagingAdaptationPEI-Config* is signaled in system information, the UE in RRC\_IDLE and RRC\_INACTIVE state monitors the PEI occasion according to *pagingAdaptationPEI-Config* and *firstPDCCH-MonitoringOccasionOfPEI-O-r19* (if configured)*.* | Capture the following RAN2#130 agreement:1. Introduce a new optional firstPDCCH-MonitoringOccasionOfPEI-O-r19 field parameter for Rel-19 UEs that support adaptive paging.
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# 4 Collection of comments on running CR after RAN2#130

Please provide your comments in below table, and Rapporteur will response. Please do not insert any comments in running CR directly, which is hard for Rapporteur to follow all comments.

And based on existing EN and your comments, Rapporteur will identify stage 3 open issues.

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| **Company****+issue #****(e.g. Apple 001)** | **Detailed issue and proposed change** | **Rapporteur response** |
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# 3 Conclusion

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