**3GPP TSG-RAN WG2 Meeting #131** **R2-250xxxx
Bengaluru, India, August 25-29, 2025**

**Agenda item: 8.5.1**

**Source: InterDigital (Rapporteur)**

**Title: [POST131][111][NES] 38.321 CR (InterDigital)**

**Document for: Discussion and Decision**

# Introduction

This document collects the comments received during the following email discussion on the MAC CR for the R19 NES work item:

**[POST131][111][NES] (InterDigital)**

 **Scope:** Update NES 38.321 CR (including this meeting agreements also).

 **Intended outcome:** 38.321 CR in R2-2506222 to be agreed.

**Deadline:** Short email discussion

## Contact information:

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| Company | Delegate Name | Email |
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# Discussion on TS 38.321 running CR

The following CR was endorsed in RAN2#131 as a baseline:

R2-2505792 Introduction of network energy saving enhancements to TS 38.321 InterDigital CR Rel-19 38.321 18.6.0 2110 - B Netw\_Energy\_NR\_enh-Core

**Endorsed and considered as baseline for further discussion.**

In the CR draft uploaded to this email discussion, the endorsed CR is updated to capture these agreements:

* SIB 1 request is supported for both SUL and NUL.
* Option 1b (a same featureCombinationPreamblesList-r17 applies to both legacy and additional RACH, and R2 keep the conclusion, allow mixing of CE feature and non-CE feature in the same RACH-ConfigCommon, and clarify in the MAC spec that if CE is applicable for random access procedure and RACH-ConfigCommon associated with selected random access resource set includes additional RO, UE does not use additional RO configured in this RACH-ConfigCommon.) is agreed.
* TP in R2-2505789 is baseline for MAC update.

For ease of tracking, the following two changes are added to the endorsed version to capture these agreements:

In section 5.1.1b:

1> if the Random Access procedure was initiated by SI request, SIB1 request, reconfiguration with sync, beam failure recovery, LTM Cell Switch, a PDCCH order for an LTM candidate cell, or a PDCCH order with the *PRACH association indicator field* in DCI set to 1; or

1> if Msg1 repetition is applicable for the current Random Access procedure:

2> PRACH occasions configured by *addlRACH-Config-Adaptation* in *RACH-ConfigCommon* of a set of Random Access resources are not applicable for this Random Access procedure.

1> else:

2> PRACH occasions configured by *addlRACH-Config-Adaptation* in *RACH-ConfigCommon* of a set of Random Access resources are applicable for this Random Access procedure, if available (as specified in TS 38.213 [6] and 38.212 [9]).

In section 5.15.1:

1> if *initialDownlinkBWP-RedCap* is configured:

2> if the Random Access procedure was initiated for SI request or SIB1 request (as specified in TS 38.331 [5]) and the Random Access Resources for SI request have been explicitly provided by RRC, and if the selected carrier is SUL carrier:

3> monitor the PDCCH on the BWP configured by *initialDownlinkBWP*.

2> else:

3> monitor the PDCCH on the BWP configured by *initialDownlinkBWP-RedCap*.

Companies can provide comments and suggestions to the uploaded draft CR in this table. Please do not add changes, suggestions, or comments directly to the draft CR document.

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| Company + Issue Number (e.g., ID001) | Issue | Comments and proposed changes |
| Sharp 001 | For the addition in section 5.15.1, the RedCap UE behaviour is for RRC\_IDLE/INACTIVE mode and *initialDownlinkBWP-RedCap* is included in SIB1, then when the UE requests OD-SIB1, the *initialDownlinkBWP-RedCap* has not been derived or was invalid. | The addition in section 5.15.1 could be removed.[Rapp]: removed in v2. Thanks for the explanation. |
| Sharp 002 | Description on how to handle On-demand SSB Activation/Deactivation MAC CE when MAC entity receives it is missing.RRC layer applies corresponding RRM measurement procedures based on OD-SSB status, and physical layer needs to know OD-SSB status to decide how to receive SSB, so the MAC entity should indicate to RRC layer and physical layer when the MAC CE is received. | Add a subsection to describe how to handle On-demand SSB Activation/Deactivation MAC CE.5.18.x On-demand SSB Activation/DeactivationThe network may activate and deactivate the configured on-demand SSB by sending the On-demand SSB Activation/Deactivation MAC CE described in clause 6.1.3.x. The MAC entity shall:1> if the MAC entity receives an On-demand SSB Activation/Deactivation MAC CE:2> indicate to upper layers the information regarding the On-demand SSB Activation/Deactivation MAC CE;2> indicate to lower layers the information regarding the On-demand SSB Activation/Deactivation MAC CE.[Rapp]: added in v2. |

# Conclusion

The running CR is updated considering the comments above.