3GPP TSG-RAN WG2#131 R2-25XXXXX

Bengaluru, India, 25 Aug - 29 Aug, 2025

Agenda Item: 8.5.1

Source: Huawei, HiSilicon

Title: Report of [POST131][108][NES] (Huawei)

Document for: Discussion and decision

# 1 Introduction

This document is the report of the following discussion:

* [POST131][108][NES] (Huawei)

**Scope:** Update NES 38.300 CR (including this meeting agreements also).

**Intended outcome:** 38.300 CR in R2-2506219 to be agreed.

**Deadline:** Short email discussion (Sept. 5th 1000 UTC)

Please provide your comments by Thursday September 4th EOB to allow time for the rapporteur to update the CR before the deadline.

# 2 38.300 CR for NES

The post-RAN2#131 stage-2 CR for NES enhancements and a document for providing comments are provided in the discussion folder. Please don’t change the CR text or insert comments to the CR file. Please use the table below for comments and wording suggestions for clarity of the CR tdoc. If you want to highlight several issues, please use comment IDs e.g. HW01, HW02, etc. so it is easier for the rapporteur to respond.

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| **Company and comment ID (e.g. HW01)** | **Section and detailed comments/suggestions** | **Rapporteur response** |
| OPPO001 | - If the serving cell is associated with SSB, other than the initial BWP, if any of the UE configured BWPs do not contain the frequency domain resources of the SSB associated to the initial DL BWP, and are not configured with NCD-SSB for serving cell measurement, or any of the UE configured BWPs do not contain the frequency domain resources of the OD-SSB associated to the serving cell;  [OPPO] original text is to say both the yellow-condition and green-condition have to be satisfied. Now I understand the blue condition intend to say when both   * Yellow-condition, and * Green-condition or the blue condition   Are satisfied.  But since R1 has concluded that both AO and OD-SSB are always in the same BWP, in our understanding the yellow-condition has already covered the blue condition, so no need to separately stated that.   * + AO-SSB and OD-SSB are located in the same BWP | From R2 spec perspective, it is not captured anywhere that “AO-SSB and OD-SSB are always configured in the same BWP”, besides, it is unclear what “SSB” in the yellow text means.  To make it clearer, the text highlighted in blue can be placed after the text highlighted in yellow, for instance:  If the serving cell is associated with SSB, other than the initial BWP, if any of the UE configured BWPs do not contain the frequency domain resources of the SSB associated to the initial DL BWP or the frequency domain resources of the OD-SSB associated to the serving cell, and are not configured with NCD-SSB for serving cell measurement;  The suggestion from Apple is also fine for us. |
| Nokia001 | Related to OPPO comment – what is the agreement this change is trying to implement?  We thought “If the serving cell is associated with SSB, other than the initial BWP,” is already saying “serving cell associated with SSB” which is indeed one with servingCellMO-OD (or whatever will be final ASN.1 name) is doing that. So maybe we don’t need any changes here? | It is unclear whether “SSB” here refers to AO-SSB or OD-SSB. |
| Apple001 | - If the serving cell is associated with SSB, other than the initial BWP, if any of the UE configured BWPs do not contain the frequency domain resources of **the SSB associated to the initial DL BWP**, and are not configured with NCD-SSB for serving cell measurement, or any of the UE configured BWPs do not contain the frequency domain resources of the OD-SSB associated to the serving cell;  Regarding to the issue raised by OPPO001, we also think the current change is complicated.  In our understanding, the ambiguity part is what “**the SSB associated to the initial DL BWP**” means (i.e. whether “the SSB” means OD-SSB or AO-SSB or both). Our understanding is “both”:   * Note that frequency domain resource may be different between OD-SSB and AO-SSB if they are in different frequencies (although they are always in same BWP as OPPO quoted R1 agreement). * Any overlapping of frequency resource of SSB needs measurement gap.   Thus, maybe we can just clarify it as a NOTE. We provide an example below:  If the serving cell is associated with SSB, other than the initial BWP, if any of the UE configured BWPs do not contain the frequency domain resources of the SSB associated to the initial DL BWP, and are not configured with NCD-SSB for serving cell measurement;  NOTE 2c: when the serving cell is associated with both SSB and OD-SSB in different frequency, “the SSB associated to the initial DL BWP” includes both SSB and OD-SSB. | A note is also fine. |
| vivo 001 | Regarding OPPO001, we agree with Nokia’s understanding that we don’t need the change here or a note for clarification. | See comments to Oppo001. |
| Xiaomi | We prefer to add a note as proposed by Apple. | A note is also fine. |
| Ericsson 001 | 15.4.2.x3 Common signal/channel transmissions adaptation  For adaptation of paging in time domain, the value range for parameter N is extended to make it possible to have increased interval between PFs. The value range for Ns, which is the number of paging occasions within one paging frame, is increased to compensate the decrease in the number of PFs. UEs supporting paging adaption and PEI can monitor PEI according to the additional PEI configuration, if configured.  Considering that parameter Ns is defined in the paragraph above, it would be consistent if parameter N is also defined similarly. For example:  “For adaptation of paging in time domain, the value range for parameter N, which is the number of paging frames in one paging cycle, is extended to make it possible to have increased interval between PFs.”  Another option would be to add a reference to 38.304 for the definitions. | Change is adopted in CR v06. |
| Rapporteur |  | Regarding OPPO001 and subsequent comments on the matter, there is no common view on how to interpret the RAN1 outcome. Given the short deadline, I have removed the change related to measurement gap from the CR in v05 and I hope we can resolve this issue next meeting, either by a Note, or by normative text. Also, in our view it needs to be clarified somewhere that OD-SSB and AO-SSB is always configured in the same BWP. |
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