**3GPP TSG RAN WG2 Meeting #129 R2-250xxxx
Athens, Greece, 17th – 21th February, 2025**

**Agenda item: 8.5.1**

**Source: Ericsson**

**Title: Comments to 38.331 CR for NES**

**Document for: Discussion and Decision**

# 1 Introduction

This is a summary document on collection of comments to TS 38.331 CR during below running CR discussion:

* **[POST129][102][NES] (Ericsson)**

 **Scope:** Capture all agreements in 38.331 running CR and identify stage 3 open issues.

 **Intended outcome:** Endorsed 38.331 running CR in R2-2501462 (including editor’s notes for stage 3 open issues).

**Deadline: Long email discussion**

DL to endorse the running CR is 21st March 2025. Please provide your comments early so there is time to resolve when needed. Last comments to take into account should be uploaded by 23:59 UTC 19th March. Later comments are taken into account by best effort.

# 2 Contact Points

Respondents to the email discussion are kindly asked to fill in the following table.

|  |  |  |
| --- | --- | --- |
| Company | Name | Email Address |
| Ericsson | Helka-Liina Määttänen | Helka-liina.maattanen@ericsson.com |
| Xiaomi  | Shukun Wang | Wangshukun3@xiaomi.com |
| OPPO | Qianxi Lu | qianxi.lu@oppo.com |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |

# 3 Discussion

Please provide your comments early so there is time to resolve.

|  |  |  |
| --- | --- | --- |
| **Company** | **Detailed comments** | **Rapporteur response** |
| Xiaomi001 | This field description should highlight it is for UE supports on-demand SIB1 and ignore *intraFreqNeighCellList* IE. | [Rapporteur] in v01 I added that this is for UE supporting OD-SIB1. The running CR draft for 304 captures:If dedicated inter-frequency and/or intra-frequecy excluded cell lists are provided in system information, the OD-SIB1 UE ignores *intraFreqExcludedCellList / interFreqExcludedCellList* and doesn’t consider the cell(s) in the dedicated lists as candidates for cell reselection.Hence no need to capture twice. |
| Xiaomi002 | Same comments as xiaomi001. | [Rapporteur] in v01 I added that this is for UE supporting OD-SIB1. The running CR draft for 304 captures:If dedicated inter-frequency and/or intra-frequecy excluded cell lists are provided in system information, the OD-SIB1 UE ignores *intraFreqExcludedCellList / interFreqExcludedCellList* and doesn’t consider the cell(s) in the dedicated lists as candidates for cell reselection.Hence no need to capture twice. |
| Xiaomi003 | SIB1-RequestConfig-r19 ::= SEQUENCE { rach-OccasionsSIB1 SEQUENCE { ssb-perRACH-Occasion ENUMERATED {oneEighth, oneFourth, oneHalf, one, two, four, eight, sixteen} } OPTIONAL, -- Need R sib-RequestPeriod ENUMERATED {one, two, four, six, eight, ten, twelve, sixteen} OPTIONAL, -- Need R sib1-RequestResources SEQUENCE (SIZE (1..maxSIB1-Message)) OF SI-RequestResources}SI-RequestResources ::= SEQUENCE { ra-PreambleStartIndex INTEGER (0..63), ra-AssociationPeriodIndex INTEGER (0..15) OPTIONAL, -- Need R ra-ssb-OccasionMaskIndex INTEGER (0..15) OPTIONAL -- Need R}I think there is no consensus about the RACH parameters for OD-SIB1 in RAN2. And RAN2 also did not receive the parameters list from RAN1.It is too early to define these parameters in running CR. | [Rapporteur] RAN1 did provide parameter list, tdoc number is reflected on the running CR cover page. |
| OPPO001 | 1> if the access is for a cell in which OD-SIB1 is enabled:2> if the UE is in RRC\_IDLE or in RRC\_INACTIVE, or if the UE is in RRC\_CONNECTED while *T311* is running; and3> consider the cell as barred if the UE fails to acquire OD-SIB1;[OPPO] Most of the intention here have been covered by 5.2.2.5. The change, if any needed, can be relocated to 5.2.2.5, considering this clause starts with ‘Upon receiving the SIB1 the UE shall:’ | [Rapporteur] I agree with you that as this clause starts with “Upon receiving SIB1” this may not be the best place. However, 5.2.2.5 does not capture the cell is considered as barred.One option could be to move it under 5.2.2.3.3x Request for on demand SIB1Waiting for other views. |
| OPPO002 | 1> if the access is for a cell in which OD-SIB1 is enabled:2> if the UE is in RRC\_IDLE or in RRC\_INACTIVE, or if the UE is in RRC\_CONNECTED while *T311* is running; and3> consider the cell as barred if the UE fails to acquire OD-SIB1;[OPPO] Given 5.2.2.3.1 that**1> if the UE is in RRC\_IDLE or in RRC\_INACTIVE; or****1> if the UE is in RRC\_CONNECTED while T311 is running:**There is no need for this part |  |
| OPPO003 | UL-WUS-Config-r19 ::= { rsrp-ThresholdSSB-r19 RSRP-Range OPTIONAL, -- Need R prach-RootSequenceIndex-r19 CHOICE { l839 INTEGER (0..837), l139 INTEGER (0..137) } OPTIONAL, -- Need R msg1-SubcarrierSpacing-r19 ENUMERATED {kHz1dot25, kHz5, kHz15, kHz30, kHz60, kHz120, spare1, spare2} OPTIONAL, -- Need R sib1-tdd-UL-DL-ConfigurationCommon-r19 TDD-UL-DL-ConfigCommon OPTIONAL, -- Cond TDD sib1-restrictedSetConfig-r19 ENUMERATED {unrestrictedSet, restrictedSetTypeA, restrictedSetTypeB} OPTIONAL, -- Need R offsetToCarrier INTEGER (0..2199) OPTIONAL, -- Need R absoluteFrequencyPointA ARFCN-ValueNR OPTIONAL, -- Need R  p-Max P-Max OPTIONAL, -- Need R ss-PBCH-BlockPower INTEGER (-60..50) OPTIONAL, -- Need R sib1-RequestConfig-r19 SIB1-RequestConfig-r19 OPTIONAL -- Need R}[OPPO] Based on R1 RRC para listsib1-tdd-UL-DL-ConfigurationCommon -r19, ss-PBCH-BlockPower are per [SIB1-RequestConfig]offsetToCarrier, absoluteFrequencyPointA, p-Max are per [frequencyInfoUL]would it be better to relocate the field? | [Rapporteur] RAN1 gives parameter list but the signaling structure is not set in stone by it. Especially first version can be taken more like indicative as long as the functionality is what is suppose to be.The reason why I did differently is that those two parameters indicated to [SIB1-RequestConfig] seem to functionally fit better here.For [frequencyInfoUL], it is not clear if it is really needed or feasible. RRC has IE by that name and this seems to be quite different in content. It may be that it makes sense to make separate IE for this type of parameters but maybe slightly different name and maybe including also other parameters.I suggest companies check with their RAN1 delegates about these points. For the running CR there is editor’s note to point out these open issues for the structure. (And the structure is anyway not final until end of the release). |
| OPPO004 | UL-WUS-Config-r19 ::= { rsrp-ThresholdSSB-r19 RSRP-Range OPTIONAL, -- Need R prach-RootSequenceIndex-r19 CHOICE { l839 INTEGER (0..837), l139 INTEGER (0..137) } OPTIONAL, -- Need R msg1-SubcarrierSpacing-r19 ENUMERATED {kHz1dot25, kHz5, kHz15, kHz30, kHz60, kHz120, spare1, spare2} OPTIONAL, -- Need R sib1-tdd-UL-DL-ConfigurationCommon-r19 TDD-UL-DL-ConfigCommon OPTIONAL, -- Cond TDD sib1-restrictedSetConfig-r19 ENUMERATED {unrestrictedSet, restrictedSetTypeA, restrictedSetTypeB} OPTIONAL, -- Need R offsetToCarrier INTEGER (0..2199) OPTIONAL, -- Need R absoluteFrequencyPointA ARFCN-ValueNR OPTIONAL, -- Need R  p-Max P-Max OPTIONAL, -- Need R ss-PBCH-BlockPower INTEGER (-60..50) OPTIONAL, -- Need R sib1-RequestConfig-r19 SIB1-RequestConfig-r19 OPTIONAL -- Need R}[OPPO] quite some fields miss suffix | [Rapporteur] Fixed in v01 |
|  |  |  |
|  |  |  |
|  |  |  |

# 3 Conclusion