3GPP TSG-RAN WG2#124 R2-23XXXXX

Chicago, US, 13 – 17 November, 2023

Agenda Item: 7.3.1

Source: Huawei, HiSilicon

Title: Report of [POST124][036][NES] 38.331 CR (Huawei)

Document for: Discussion and decision

# 1 Introduction

This document is the report of the following discussion:

* [POST124][036][NES] 38.331 CR (Huawei)

Intended outcome: Agree to CR

Deadline: 2 weeks (December 1st 10:00 UTC)

Please provide your comments by Thursday November 30th 10:00 UTC to allow 24h for the rapporteur to update the CR before the deadline.

Companies providing input to this email discussion are requested to leave contact information below.

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| **Company** | **Delegate name** | **Email address** |
| vivo | Wenjuan Pu | wenjuan.pu@vivo.com |
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# 2 RRC CR for NES

The post-RAN2#124 RRC CR for NES, a document for providing comments and the most recent RAN1 parameter list are provided in the discussion folder. Changes from the previously endorsed CR are made as user “RAN2\_124”. Please don’t change the CR text or insert comments to the CR file. Please use the table below for comments and suggestions on procedures or wording changes for clarity of the CR tdoc. If you want to highlight several issues please use numbers, i.e. “issue 1)”, “issue 2)” etc. so it is easier for the rapporteur to respond.

Concerning the *positionInDCI-cellDTRX* parameter, after checking with RAN1 we understand that it should be signalled per serving cell and not included in the *cellDTRX-DCI-config* IE, which is signalled per cell group. Therefore, it was moved to the *ServingCellConfig* IE.

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| **Company** | **Detailed comments** | **Rapporteur response** |
| vivo | Issue 1: related to NES cell bar feature.  For the below text in section 5.2.2.4.1:  2> if the access is not for NTN or the UE is not capable of NTN or the UE is not capable of NES cell DTX/DRX; and | It is unclear whether the below UEs will consider it fulfils this condition:  The UE only support cell DTX (which means the UE is not capable of Cell DRX);  The UE only support cell DRX (which means the UE is not capable of Cell DTX).  In our understanding, if the UE neither support cell DTX or cell DRX, the UE considers it fulfils this condition (i.e., legacy UE). If this is the case, then we suggest the following:  “2> if the access is not for NTN or the UE is not capable of NTN or the UE is not NES-capable UE”.  And we can add the definition of NES-capable UEs in section 3.1 like:  **NES-capable UE:** a UE that supports NES Cell DTX/DRX as specified in clause 4.2.6 in TS 38.306 [24]. |
| vivo | Issue 2: related to NES cell bar feature.  For the below text in the Running CR:  2> if *cellBarredNES* is absent in the acquired *SIB1* and the *cellBarred* in the acquired *MIB* is set to *barred*: | The condition *“*the *cellBarred* in the acquired *MIB* is set to *barred”* is not needed here as this condition will anyway be satisfied, according to the below note in the running CR:  NOTE 2: A UE capable of NES cell DTX/DRX should acquire SIB1 to determine the cell barring status when the *cellBarred* in MIB is set to *barred*. |
| vivo | Issue 3: related to NES cell bar feature.  For the below filed:  cellBarredNES-r18 ENUMERATED {notBarred} | Since there is only one codepoint, whether it should be ENUMERATED {true}? |
| vivo | Issue 4: related to NES cell bar feature.  For the filed description of cellBarredNES-r18:  ***cellBarredNES***  Value *notBarred* means that the cell is allowed for UEs supporting NES cell DTX/DRX. If not present, the UEs supporting NES cell DTX/DRX shall follow the MIB *cellBarred* indication. This field is only applicable to UEs supporting NES cell DTX/DRX. | There is only one codepoint, so from ASN.1 precoding perspective, the UE will only check whether this field is present or not. So, we suggest to change the wording of the first sentence as follows:  “If present, the cell is allowed for NES-capable UEs.”   1. The last sentence seems not needed. |
| vivo | Issue 5: related to NES CHO feature.  For the filed description of nesEvent:  ***nesEvent***  Indicates the event is an NES-specific CHO event and the CHO execution condition is only considered to be satifisfied if indication from lower layers is received indicating the applicability of NES-specific CHO event. This field can only be configured for event A3, A4 and A5. | Suggest the below rewording and clarification:  *“*Indicates the event is an NES-specific CHO event and the event ~~CHO execution condition~~ is only considered to be satisfied ~~satifisfied~~ if indication from lower layers is received indicating the applicability of NES-specific CHO event and the related entry condition(s) is fulfilled. This field can only be configured for event A3, A4 and A5.” |
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