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

**Agenda item: 8.5.1**

**Source: Apple**

**Title: Collection of comments to 38.304 CR for NES**

**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:

* [POST129][104][NES] (Apple)

 **Scope:** Capture all agreements in 38.304 running CR and identify stage 3 open issues.

 **Intended outcome:** Endorsed 38.304 running CR in R2-2501464 (including editor’s notes for stage 3 open issues)

**Deadline: Long email discussion**

# 2 Collection of comments

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** | **Detailed comments** | **Rapporteur response** |
| CATT | The OD-SIB1 UE determines the cell reservations and access restrictions in accordance with Section 5. On top of it, OD-SIB1 UE considers the OD-SIB1 cell as if cell status is “barred” and excludes it as a candidate for reselection in the following cases:* if it has no corresponding UL WUS configuration, or (CATT: suggest to remove it as it seems not correct. The UE does not know whether a cell is NES cell UE does not have corresponding UL WUS configuration )
* if the RACH procedure to acquire OD-SIB1 is failed, or
* if it fails to acquire SIB1.(CATT: suggest to change it to “if it fails to acquire SIB1 after successfully receiving RAR for the OD-SIB1 request.”,otherwise it is overlapped with bullet 2 above)

Meanwhile, the OD-SIB1 UE would treat the OD-SIB1 cell as if cell status is “not barred” and consider it as candidate for cell reselection in the following cases: * if it hasn’t acquired SIB1 from the OD-SIB1 cell before initialization of OD-SIB1 procedure but has received a valid UL WUS configuration, or
* if it regarded the OD-SIB1 cell as if cell status is “barred” due to lack of corresponding UL WUS configuration before but has received a valid UL-WUS configuration.

After the OD-SIB1 UE successfully receives SIB1 from the selected OD-SIB1 Cell and if it is a suitable cell, it camps in the OD-SIB1 Cell and follows the behavior of Camped Normally state specified in Section 5.2.5. The OD-SIB1 UE may receive UL WUS configuration updates in SIB-X via the system information modification procedures defined in TS 38.331 [3]. CATT: The highlighted sentence above seems not necessary. | On 1st case (if it has no corresponding UL WUS configuration), our understanding is k\_SSB=30 for FR1 or 14 for FR2 (i.e. it is cell using resevered kSSB) but the UE doesn’t have obtained its UL WUS config. According to HW003, I removed 3rd case. And according to Samsung 005, I put an EN on whether to capture it in other spec in v01. We can further discuss it. I removed the whole paragraph on camping behavior in v01. |
| vivo1 | **Section 3.1:**1. Suggest to clarify the UE in OD-SIB1 cell definition as “**OD-SIB1 Cell:** A cell that may transmit SIB1 in response to UL WUS from ~~a~~ an OD-SIB1 UE.” | The definition is removed in v01, according to some company comments. |
| vivo2 | **Section 7.1:**For a UE supporting paging adaptation, if another set of paging configuration is signaled in system information, it only monitors the PO(s) derived from this set of paging parameters. In this case, the UE still monitors one PO per DRX cycle. Based on Network configuration, it is allowed that the UE(s) supporting paging adaptation to monitor the same PO as the UE(s) which don’t support paging adaptation. Paging adaptation configuration can only be updated via system information update notification.[vivo] We understand the highlighted part comes from the RAN2 agreement ‘Allowing legacy and R19 UEs to co-ex in the same PF/PO is possible, based on NW configuration.‘. Yet, we think it has no spec impact from the UE side, as it is already mentioned in this paragraph ‘it only monitors the PO(s) derived from this set of paging parameters.’. If the majority prefers to keep the agreement, perhaps we can state from the NW side as a note. Here’s an example, the detailed wording is up to Rapp to decide:Note: The network can configure the legacy UEs and the UEs supporting paging adaptation in the same PF/PO.[OPPO] We share similar view as vivo. | The highlighted part is removed in v01. |
| vivo3 | **Section X:**For an OD-SIB1 UE in RRC\_IDLE or RRC\_INACTIVE state, it may acquire UL WUS configuration from SIB-X of its camping cell for request of SIB1 transmission in one OD-SIB1 cell. The SIB-X can be cell specific configured or area specific configured, and the OD-SIB1 UE determines whether it is valid according to the validity mechanism defined in TS 38.331 [3]. [vivo] The yellow highlighted part is not needed as 38.331 has already specified that ‘Any SIB or posSIB except *SIB1* can be configured to be cell specific or area specific, using an indication in *SIB1*.’ and the agreement from OD-SIB1 does not violate it.[OPPO] Share the view from vivo, and similarly the sentence afterwards ‘and the OD-SIB1 UE determines whether it is valid according to the validity mechanism defined in TS 38.331 [3]’ can also rely on 331.[Samsung]: The entire paragraph is not needed in 38.304. SIB1 request procedure will be specified in 38.331 and these details (if needed) can be captured in there. | The whole paragraph is removed in v01. |
| vivo4 | **Section X:**If dedicated frequenecy priority parameters are provided in system information, the OD-SIB1 UE ignores the *cellReselectionPriority* in the system information and applies dedicated ones to determine frequency prioritization in accordance with Section 5.2.4.1. 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.[vivo] The whole paragraph is not needed as the details will be mentioned in the corresponding IE fields in 38.331.[OPPO] For excluded cell, we also share the view from vivo, since there was no text of this in legacy 304 but more relies on 331.But for priority, to us it is OK to be included in 304 since there has been text on it in legacy 304 already. | I think this part should be captured in 38.304. Please check my response in RRC running CR response:[Apple] Agree with Ericsson. Actually, current 38.331 had captured several similar dedicated frequency priority or cell list, but their UE behavior was NOT captured in RRC (only explanation on purpose in field description) but captured in 38.304. See below example on slicing specific frequency priority:38.331: ***freqPriorityListSlicing***This field indicates cell reselection priorities for slicing.38.304 (Section 5.2.4.11): If *FreqPriorityListDedicatedSlicing* is configured, UE only considers the NSAG-frequency pairs indicated in *FreqPriorityListDedicatedSlicing* for slice-based cell reselection. |
| vivo5 | **Section X:**The OD-SIB1 UE determines the cell reservations and access restrictions in accordance with Section 5. On top of it, OD-SIB1 UE considers the OD-SIB1 cell as if cell status is “barred” and excludes it as a candidate for reselection in the following cases:- if it has no corresponding UL WUS configuration, or - if the RACH procedure to acquire OD-SIB1 is failed, or - if it fails to acquire SIB1.[vivo] We think the yellow highlighted part is not necessary as it is legacy behavior. For the green highted part, as commented by companies online, the definition of ‘RACH procedure failure’ is not quite clear according to 38.321 and thus it was agreed as ‘ The UE considers the cell as barred after MAC indicates max number of preamble transmission for the OD-SIB1 request.’. Therefore, maybe it’s better to stick with the agreement wording, or we leave it specified in 38.321?  | See my comment to CATT. I revised 2nd case according to your comments, removed 3rd case, and put an EN on whether to capture it in other spec in v01. |
| OPPO001 | For a UE supporting paging adaptation and PEI, if another set of PEI configuration is signaled in system information, it only monitors the PEI derived from this set of PEI parameters. In this case, the UE still monitors one PEI per DRX cycle.[OPPO] The yellow part should be replaced by field name later when available, now it can be put into bracket like [another set of PEI configuration]. | I revised with latest IE name in running 38.331 CR in v01.  |
| OPPO002 | For an OD-SIB1 UE in RRC\_CONNECTED state, after the RRC re-estabslihement procedure is triggered in accordance with TS 38.331 [3], it may trigger the OD-SIB1 acquisition procedure with the stored UL WUS configuration in SIB-X, if it is determined as valid according to the validity mechanism defined in TS 38.331 [3][OPPO] for the yellow part, is it to reflect the conclusion of ‘- When T311 is running, the UE can trigger the OD-SIB1 acquisition procedure with stored UL WUS configuration in SIB-X, if it is still valid.’? If so, the intention is correct, yet without area-ID or value-tag, the only validity check operation can be based on 3h criterion, which however would run as ‘delete any stored version of a SIB after 3 hours from the moment it was successfully confirmed as valid;’, i.e., there would be no stored version on hand after 3h, so the yellow part can be even removed or simplified as ‘if available’.  | The whole paragraph is removed in v01. |
| Xiaomi001 | It is for RRC\_CONNECTED mode UE, I think it is better to capture this part in TS38.331 not 38.304. | The whole paragraph is removed in v01. |
| Samsung 001 | **Definitions****“OD-SIB1 Cell**: A cell that may transmit SIB1 in response to UL WUS from a UE.**OD-SIB1 UE**: A UE that supports on-demand SIB1 acqusition procedure via UL WUS.“Comment: We do not see need of these definitions. We do not define new UE type for each feature introduced in the spec. For example, we do not have OD-OSI UE or OD-OSI Cell in current spec.[Nokia] Agree with Samsugn – and additional UL-WUS is too vague for stage-3 – preamble/RACH or reference to MAC would be more appropriate. | These definitions are removed in v01. |
| Samsung 002 | **Definitions****“OD-SIB1 Cell**: A cell that may transmit SIB1 in response to UL WUS from a UE.**OD-SIB1 UE**: A UE that supports on-demand SIB1 acqusition procedure via UL WUS.“Comment: We prefer not use the term ‘UL WUS’ which means uplink wakeup signal. In the specification we should use term which clearly indicate the intended behavior. In our view we should use ‘SIB1 request’ instead of UL WUS. | These definitions are removed in v01. And RRC CR rapporteur will add an EN on terminology issue related to UL WUS (i.e. the conclusion will be expected to apply all spec). |
| Samsung 003 | **Section 7.1**“For a UE supporting paging adaptation, if another set of paging configuration is signaled in system information, it only monitors the PO(s) derived from this set of paging parameters. In this case, the UE still monitors one PO per DRX cycle. Based on Network configuration, it is allowed that the UE(s) supporting paging adaptation to monitor the same PO as the UE(s) which don’t support paging adaptation. Paging adaptation configuration can only be updated via system information update notification. “Comment 1: Its not clear what term ‘paging adaptation’ means. We should add a definition as follows:**paging adaptation**: paging configuration that allows network to configure PF(s)/PO(s) in the beginning of DRX cycle.Comment 2: Do not see need of this sentence “In this case, the UE still monitors one PO per DRX cycle.”Comment 3: Do not see need of this sentence “Based on Network configuration, it is allowed that the UE(s) supporting paging adaptation to monitor the same PO as the UE(s) which don’t support paging adaptation.” Its network implementation and there is no impact to UE behavior.Comment 4: Do not see need of this sentence “Paging adaptation configuration can only be updated via system information update notification.” This is business as usual. Paging adaptation configuration is part of SI and we have generic procedure to update any parameter signalled in SI. We do not specify for each parameter how it can be updated. | Revised accordingly in v01.But I don’t use your suggested wording on paging adaptation because it is not clear to me why it is “in the beginning of DRX cycle”. As 38.300 running CR has captured it, I just simply refer it to 38.300.  |
| Samsung 004 | Section 7.2.1 For a UE supporting paging adaptation and PEI, if another set of PEI configuration is signaled in system information, it only monitors the PEI derived from this set of PEI parameters. In this case, the UE still monitors one PEI per DRX cycle.Editor’s note 2: details of Rel-19 PEI configuration and whether/how to capture the details.Comment 1: Do not see need of this sentence “In this case, the UE still monitors one PEI per DRX cycle.” | The sentence you mentioned is removed, and the UE behavior is revised as FFS with an EN, according to Nokia002. |
| Samsung 005 | Section X“When one intra-frequency / inter-frequency neighbor OD-SIB1 cell satisfies the cell reselection criterion defined in Section 5.2.4.5 and Section 5.2.4.6 and doesn’t broadcast SIB1, the OD-SIB1 UE triggers the UL WUS transmission towards this OD-SIB1 cell with the RACH procedure defined in TS 38.321 [19]. “Comment: Do not see need for this para. When or the condition for UE to triggers SIB1 acquisition is as in legacy. There is no new trigger. RRC defines SIB1 acquisition. In cases where UE need SIB1, if SIB1 is provided on demand, SIB1 request procedure should be triggered from RRC.  | We have different view. This paragraph is to capture below RAN2 agreement on trigger condition of OD-SIB1 for IDLE/INACTIVE UE:1. Reuse legacy cell reselection criterion as trigger condition of OD-SIB1 acquisition. No need to specify other conditions (e.g. a new RSRP threshold).

We don’t think trigger of OD-SIB1 is legacy. We see different company views on it. To address your comment, we add an EN on whether/how to capture it in v01. We can discuss it online.  |
| Samsung 006 | Section XThe OD-SIB1 UE determines the cell reservations and access restrictions in accordance with Section 5. On top of it, OD-SIB1 UE considers the OD-SIB1 cell as if cell status is “barred” and excludes it as a candidate for reselection in the following cases:* if it has no corresponding UL WUS configuration, or
* if the RACH procedure to acquire OD-SIB1 is failed, or
* if it fails to acquire SIB1.

Comment: Do not see need for this para. Similar to barring in case UE fails to acquire SIB1 in legacy, these cases will be/should be defined in RRC. | We have different view. We think the first two cases are different from legacy barring in case UE fails to acquisition. And we think some other companies shared our view in this discussion. We see different company views on it. To address your comment, we add an EN on whether/how to capture it in v01. We can discuss it online.  |
| Samsung 007 | Section X“After the OD-SIB1 UE successfully receives SIB1 from the selected OD-SIB1 Cell and if it is a suitable cell, it camps in the OD-SIB1 Cell and follows the behavior of Camped Normally state specified in Section 5.2.5. The OD-SIB1 UE may receive UL WUS configuration updates in SIB-X via the system information modification procedures defined in TS 38.331 [3]. Comment: Once UE has acquired SIB1 and cell is suitable, UE camps as in legacy. So we do not see need of this text.“ | The whole paragraph is removed in v01. |
| Samsung 008 | “For an OD-SIB1 UE in RRC\_CONNECTED state, after the RRC re-estabslihement procedure is triggered in accordance with TS 38.331 [3], it may trigger the OD-SIB1 acquisition procedure with the stored UL WUS configuration in SIB-X, if it is determined as valid according to the validity mechanism defined in TS 38.331 [3]. In more details, when one OD-SIB1 cell satisfies the cell selection criterion defined in Section 5.2.3.2 and doesn’t broadcast SIB1, the UE triggers the UL WUS transmission towards the selected OD-SIB1 cell with the same RACH procedure as the OD-SIB1 UE in RRC\_IDLE and RRC\_INACTIVE state defined in TS 38.321 [19].“Comment: Again, SI acquisition is RRC procedure. This should be not specified in 38.304. | The whole paragraph is removed in v01. |
| Sharp001 | Section X UL WUS operationComments: Based on above companies’ comments, we think a separate Section X may not be needed. The description barred/not barred can be merged into Section 5.3.1 Cell status and cell reservations. | Our intention is to capture below IDLE operation of OD-SIB1 in one section:1. UE barring behavior
2. UE unbarring behavior
3. Cell reselection behavior

We think putting them in one separate section is easy to read and review.To address your comment, we add an EN on whether to keep this section or merge to existing sections.  |
| HW001 | Section 7.1 and 7.2.1For a UE supporting paging adaptation, if another set of paging configuration is signaled in system information(…)For a UE supporting paging adaptation and PEI, if another set of PEI configuration is signaled in system information, it only monitors the PEI derived from this set of PEI parameters. In this case, the UE still monitors one PEI per DRX cycle.* The term “another set of paging/PEI configuration” is ambiguous. We suggest adding a name of the feature or something else to differentiate.
 | I revised with latest IE name in running 38.331 CR in v01.  |
| HW002 | Section XFor an OD-SIB1 UE in RRC\_IDLE or RRC\_INACTIVE state, it may acquire UL WUS configuration from SIB-X of its camping cell for request of SIB1 transmission in one OD-SIB1 cell. The SIB-X can be cell specific configured or area specific configured, and the OD-SIB1 UE determines whether it is valid according to the validity mechanism defined in TS 38.331 [3]. * Seems highlighted information will be in 331 and is not needed in 304.
 | The whole paragraph is removed in v01. |
| HW003 | Section X* if it has no corresponding UL WUS configuration, or
* if the RACH procedure to acquire OD-SIB1 is failed, or
* if it fails to acquire SIB1.

The highlighted part is legacy behaviour so probably not needed.  | I removed the highlighted part in v01. |
| HW004 | Section XMeanwhile, the OD-SIB1 UE would treat the OD-SIB1 cell as if cell status is “not barred” and consider it as candidate for cell reselection in the following cases: * if it hasn’t acquired SIB1 from the OD-SIB1 cell before initialization of OD-SIB1 procedure but has received a valid UL WUS configuration, or
* if it regarded the OD-SIB1 cell as if cell status is “barred” due to lack of corresponding UL WUS configuration before but has received a valid UL-WUS configuration.

The wording of the two cases is confusing as they seem almost the same. Suggest to reword the cases to show the difference or merge into one bullet if there is no difference.  | This is to capture below agreement, which itself is a complex scenario to describe. 1. A UE bars the NES/SIB1 less cell and/or excludes it as a candidate for reselection since the UE had no corresponding UL WUS configuration, the UE would treat this cell as if cell status is “not barred” and consider it as candidate for cell reselection once it has received a UL-WUS configuration to request SIB1 for this cell.

According to your comment, I removed 1st case in v01. If you have better wording, please let me know. |
| Nokia001 | Paging -additions. – text seems in places more like stage 2 text e.g. “another set of paging configuration” – why not just refere to stage-3 ASN.1 field name to be exact to avoid any misinterpretation. I understand that maybe RRC was not available when this version was made – so this approach is understandable but still rather than writing like this IN the section 7 new paragraph:“. Based on Network configuration, it is allowed that the UE(s) supporting paging adaptation to monitor the same PO as the UE(s) which don’t support paging adaptatio” . What is this supposed to say and capture. Is this really needed? This seems really unnecessary and not something we have agreed?Also 38.304 does not need to have text on how parameters are updated. It is in RRC – no text there though as changes are done as in legacyIn the end we should first add new parameters in paragraph above of new paragraph and then in the new paragraph refer to explicit parameter names and how N/Ns as derived. And likely no more is needed. | I revised with latest IE name in running 38.331 CR, revised according to your suggestion and removed the EN you suggested in v01. |
| Nokia002 | PEI – You seem to have capture incorrectly agreement in RAN2 meeting – agreement is “ Introduce a separate PEI configuration” – there is no agreement UE only monitors Pei derived from this set of PEI parameters. Please remove that. [Huawei] Agree with Nokia. There are two possible behaviours for R19 NES UEs: Option 1) R19 NES UEs only monitor R19 PEIOption 2) R19 NES UEs monitor legacy PEI for legacy POs and R19 PEI for R19 POsIt should be further discussed in the next meeting which is the intended UE behaviour. | I captured it before because I thought UE behavior when new PEI is configured can only monitoring new PEI. I now realized another way is Huawei’s listed option 2. However, we think it is conflicted with below 2 RAN2 agreements: 1. From the UE point of view, UE will monitor one PEI/PO every paging DRX cycle, i.e. the UE doesn’t skip PO in paging DRX cycle.
2. Rel-19 UEs only monitor the PO(s)xx according to Rel-19 paging configuration.

Anyway, we need to capture UE behavior when Rel-19 PEI configuration is provided in SIB. To address your comments, I revised that “UE behavior is FFS” with an EN v01. And I will suggest to online discuss it.  |
| Nokia003 | Section X – Section name seems quite misleading – Shouldn’t it be OD-SIB1 operation?And why is any of this captured in 38.304? Shouldn’t this be in 38.331?And in section you have missed agreement that UE needs to check if SIB1 is transmitted before requesting OD-SIB1. | I revised the Section name as On-demand SIB1 operation, according to your comments.Our intention is to capture below IDLE operation of OD-SIB1 in one section:1. UE barring behavior
2. UE unbarring behavior
3. Cell reselection behavior

We think putting them in one separate section is easy to read and review.To address your comment, we add an EN on whether to keep this section or merge to existing sections.  |
| Fujitsu 001 | Section X “When one intra-frequency / inter-frequency neighbor OD-SIB1 cell satisfies the cell reselection criterion defined in Section 5.2.4.5 and Section 5.2.4.6 and doesn’t broadcast SIB1, the OD-SIB1 UE triggers the UL WUS transmission towards this OD-SIB1 cell with the RACH procedure defined in TS 38.321 [19]. “ [Fujitsu] To trigger the UL WUS, the OD-SIB1 UE needs a valid UL WUS configuration but the above text does not mention this condition. In our understanding, such triggering conditions should be captured in 38.331 and not needed in 38.304. . | We revised according to your comments. And an EN is added on whether / how to capture it in v01. |
| Fujitsu 002 | Section X If dedicated frequenecy priority parameters are provided in system information, the OD-SIB1 UE ignores the *cellReselectionPriority* in the system information and applies dedicated ones to determine frequency prioritization in accordance with Section 5.2.4.1.[Fujitsu] For highlighted part, should the OD-SIB1 UE ignore *nsag-CellReselectionPriority* as well, if provided in SIB16 ? | The issues will happen only we allow OD-SIB1 can co-exist with slicing based cell reselection. However, we don’t think it will be allowed in last release of 5G. If you think this feature combination is important, you can bring a RAN2 proposal in upcoming meeting. |
| Fujitsu 003 | Section X For an OD-SIB1 UE in RRC\_CONNECTED state, after the RRC re-estabslihement procedure is triggered in accordance with TS 38.331 [3], it may trigger the OD-SIB1 acquisition procedure with the stored UL WUS configuration in SIB-X, if it is determined as valid according to the validity mechanism defined in TS 38.331 [3]. In more details, when one OD-SIB1 cell satisfies the cell selection criterion defined in Section 5.2.3.2 and doesn’t broadcast SIB1, the UE triggers the UL WUS transmission towards the selected OD-SIB1 cell with the same RACH procedure as the OD-SIB1 UE in RRC\_IDLE and RRC\_INACTIVE state defined in TS 38.321 [19].[Fujitsu] As indicated by several companies, the above procedure should be removed and captured in 38.331. | The whole paragraph is removed in v01. |
| Nokia004 | We noticed that agreement on reverting barring upon acquiring WUS config for the cell has not been implemented. We would propose to do that in the 38.304. OR is your intention it should be captured in 38.331. To us it loks more logical to have handling on 38.304 e.g. 5.2.4.4 new paragraph indicating that UE revert barring upon acquisiton of valid WUS config. But also this could be in RRC in 5.2.2.4.2x (reception of SIBxx). Anyway alignment RRC rapporteur is needed on this. | We have captured it in Section X:UE supporting OD-SIB1 would treat the cell as if cell status is “not barred” and consider it as candidate for cell reselection in the following case: * if it regarded the OD-SIB1 cell as if cell status is “barred” due to lack of corresponding UL WUS configuration before but has received a valid UL-WUS configuration.

And one EN is added on whether to capture in 38.331.  |
| Ericsson001 | We think the following definitions are not needed, at least for now:**OD-SIB1 Cell**: A cell that may transmit SIB1 in response to UL WUS from a UE.**OD-SIB1 UE**: A UE that supports on-demand SIB1 acquisition procedure via UL WUS.Note that we have the following definition in the running RRC CR:“OD-SIB1: On demand SIB1 as defined in TS 38.300 [2].”and we expect that the high-level definitions of features such as OD-SIB1, OD-SSB are captured in 38.300. We do not think there is a need to describe what a OD-SIB1 UE or OD-SIB1 cell is.It is sufficient to capture the same definition in 38.304.We will capture an FFS about the terminology in the running RRC CR email discussion. | These definitions are removed in v01. |
| Ericsson002 | We think that the specification text should use “UE supporting OD-SIB1”, and “cell operating in OD-SIB1 mode”, or “cell in which OD-SIB1 is enabled” or a similar version where needed. | Revised accordingly in v01. |
| Ericsson003 | We do not think the following proposed text needs to be captured. The proposed text either reflects the legacy mechanism or describes the UE behaviour that supports a particular feature based on the corresponding configuration which needs to be captured in another spec:“For a UE supporting paging adaptation, if another set of paging configuration is signalled in system information, it only monitors the PO(s) derived from this set of paging parameters. In this case, the UE still monitors one PO per DRX cycle. Based on Network configuration, it is allowed that the UE(s) supporting paging adaptation to monitor the same PO as the UE(s) which don’t support paging adaptation. Paging adaptation configuration can only be updated via system information update notification.” | We do not agree. The Section 7.1 is the section to capture stage 3 UE behavior on paging. We understand no other spec captured such UE behavior on paging. And this is to capture below agreement when two paging configurations are provided:1. Rel-19 UEs only monitor the PO(s) according to Rel-19 paging configuration.

According to Samsung/Huawei/Nokia/OPPO comments, we revised this text in v01. |
| Ericsson004 | We agree with the comments from other companies regarding the proposed text below:“For a UE supporting paging adaptation and PEI, if another set of PEI configuration is signalled in system information, it only monitors the PEI derived from this set of PEI parameters. In this case, the UE still monitors one PEI per DRX cycle.”Similar to the cases above there is no need to capture this text in 38.304. But most important than that it does not seem to be entirely correct either. | Similar to above. We do not agree. Section 7.2 is the section to capture stage 3 UE behavior on PEI. We understand no other spec captured such UE behavior on PEI. According to Huawei/Nokia comments, we revised this text and add one EN in v01. |
| Ericsson005 | We question the need for this section and the title. It may be fine to keep it for now if there is support, however, please see our comments below regarding the proposed text in this section. | Our intention is to capture below IDLE operation of OD-SIB1 in one section:1. UE barring behavior
2. UE unbarring behavior
3. Cell reselection behavior

We think putting them in one separate section is easy to read and review.To address your comment, we add an EN on whether to keep this section or merge to existing sections.  |
| Ericsson006 | The intention with the text below is suitable to be captured in 38.300 (and maybe in 38.331).“For an OD-SIB1 UE in RRC\_IDLE or RRC\_INACTIVE state, it may acquire UL WUS configuration from SIB-X of its camping cell for request of SIB1 transmission in one OD-SIB1 cell. The SIB-X can be cell specific configured or area specific configured, and the OD-SIB1 UE determines whether it is valid according to the validity mechanism defined in TS 38.331 [3].“ | The whole paragraph is removed in v01. |
| Ericsson007 | Regarding the proposed text below:“If dedicated frequenecy priority parameters are provided in system information, the OD-SIB1 UE ignores the *cellReselectionPriority* in the system information and applies dedicated ones to determine frequency prioritization in accordance with Section 5.2.4.1. 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.”We think the highlighted part is not needed, for the same reasons mentioned above in our comments. It is also questionable if the remaining part should be captured in 38.304 since these parameters and their descriptions etc. are captured in 38.331. We may add an editor’s note now to check. | We have different view. See our comments to vivo4. |
| Ericsson008 | “When one intra-frequency / inter-frequency neighbor OD-SIB1 cell satisfies the cell reselection criterion defined in Section 5.2.4.5 and Section 5.2.4.6 and doesn’t broadcast SIB1, the OD-SIB1 UE triggers the UL WUS transmission towards this OD-SIB1 cell with the RACH procedure defined in TS 38.321 [19]. “The procedure for triggering OD-SIB1 is captured in 38.331. We wonder if the proposed text above is entirely correct, i.e., how does the UE know that an “OD-SIB1 cell” satisfy the criteria for cell reselection before the UE acquires SIB1?  | This paragraph is to capture below RAN2 agreement on trigger condition of OD-SIB1 for IDLE/INACTIVE UE:1. Reuse legacy cell reselection criterion as trigger condition of OD-SIB1 acquisition. No need to specify other conditions (e.g. a new RSRP threshold).

The cell reselection criterion is based on measurements on SSB (e.g. Squal, Srxlev) which is not related to whether SIB1 is acquired. UE knows it. And I don’t think this part is captured in current RRC running CR. Anyway, to address your comment, we add an EN on whether/how to capture it in v01. We can discuss it online.  |
| Ericsson009 | “The OD-SIB1 UE determines the cell reservations and access restrictions in accordance with Section 5. On top of it, OD-SIB1 UE considers the OD-SIB1 cell as if cell status is “barred” and excludes it as a candidate for reselection in the following cases:* if it has no corresponding UL WUS configuration, or
* if the RACH procedure to acquire OD-SIB1 is failed, or
* if it fails to acquire SIB1.”

Regarding the proposed text above, we expect that the procedure marked yellow (not necessarily as it is) is captured in 38.331 and/or 38.321. The phrase “On top of it” does not sound as specification text. | Disagree. We think UE barring behavior should be captured in 38.304. For example, in Section 5.3.1 of 38.304, it captures below if the UE fails to acquire MIB or SIB1:“- If the cell is to be treated as if the cell status is "barred" due to being unable to acquire the SIB1:- the UE may exclude the barred cell as a candidate for cell selection/reselection for up to 300 seconds.- the UE may select another cell on the same frequency if the selection criteria are fulfilled.- If the cell status "barred" is indicated in *MIB* but the UE is unable to acquire the SIB1; or- If the cell is to be treated as if the cell status is "barred" due to not supporting (e)RedCap UEs:- the UE shall exclude the barred cell as a candidate for cell selection/reselection for 300 seconds.- the UE may select another cell on the same frequency if re-selection criteria are fulfilled.”We removed the wording like “on top of”. To address your comment, we add an EN on whether/how to capture it in v01. We can discuss it online.  |
| Ericsson010 | “Meanwhile, the OD-SIB1 UE would treat the OD-SIB1 cell as if cell status is “not barred” and consider it as candidate for cell reselection in the following cases: * if it hasn’t acquired SIB1 from the OD-SIB1 cell before initialization of OD-SIB1 procedure but has received a valid UL WUS configuration, or
* if it regarded the OD-SIB1 cell as if cell status is “barred” due to lack of corresponding UL WUS configuration before but has received a valid UL-WUS configuration. “

Similar to our comment above, we expect that the procedure marked in yellow above is captured in 38.331 The term “Meanwhile” does not sound like specification text.  | Disagree. Similar to above comment, we think UE barring behavior should be captured in 38.304. We removed the wording like “Meanwhile”. To address your comment, we add an EN on whether/how to capture it in v01. We can discuss it online.  |
| Ericsson011 | “For an OD-SIB1 UE in RRC\_CONNECTED state, after the RRC re-establishment procedure is triggered in accordance with TS 38.331 [3], it may trigger the OD-SIB1 acquisition procedure with the stored UL WUS configuration in SIB-X, if it is determined as valid according to the validity mechanism defined in TS 38.331 [3]. In more details, when one OD-SIB1 cell satisfies the cell selection criterion defined in Section 5.2.3.2 and doesn’t broadcast SIB1, the UE triggers the UL WUS transmission towards the selected OD-SIB1 cell with the same RACH procedure as the OD-SIB1 UE in RRC\_IDLE and RRC\_INACTIVE state defined in TS 38.321 [19].”Regarding the proposed text above, we expect that the procedure is captured in 38.331 | The whole paragraph is removed in v01. |
| Qualcomm 01 | 3.1 Definitions**OD-SIB1 Cell**: A cell that may transmit SIB1 in response to UL WUS from a UE.**OD-SIB1 UE**: A UE that supports on-demand SIB1 acqusition procedure via UL WUS.Comment: add Cell-A…? | According to Samsung/Ericsson comments, these definitions are removed in v01. |
| Qualcomm 02 | 7.1 Discontinuous Reception for pagingFor a UE supporting paging adaptation, if another set of paging configuration is signaled in system information, it only monitors the PO(s) derived from this set of paging parameters. In this case, the UE still monitors one PO per DRX cycle. Based on Network configuration, it is allowed that the UE(s) supporting paging adaptation to monitor the same PO as the UE(s) which don’t support paging adaptation. Paging adaptation configuration can only be updated via system information update notification. Comment: if another set of paging configuration for paging adaptation is signaled in system information | According to OPPO/Nokia/Samsung comments, I revised with latest IE name of paging adaptation in running 38.331 CR in v01. |
| Qualcomm 02 | 7.1 Discontinuous Reception for pagingFor a UE supporting paging adaptation and PEI, if another set of PEI configuration is signaled in system information, it only monitors the PEI derived from this set of PEI parameters. In this case, the UE still monitors one PEI per DRX cycle. Comment: if another set of paging configuration for paging adaptation is signaled in system information | According to OPPO/Nokia/Samsung comments, I revised with latest IE name of paging adaptation in running 38.331 CR in v01. |

# 3 Conclusion

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