**3GPP TSG-RAN WG4 Meeting #** **97-e R4-20xxxxx**

**Electronic Meeting, 2-13 Nov., 2020**

**Agenda item:** 6.2.2 and 6.2.3

**Source:** Moderator (Huawei)

**Title:** Email discussion summary for [97e][226] NB\_IOTenh3\_RRM

**Document for:** Information

# Introduction

*List of candidate target of email discussion for 1st round and 2nd round*

* 1st round:

Provide comments on CR/draftCR on the core requirements maintenance.

Discuss the issues related to performance requirements.

Provide comments on CR/draftCR on the test cases.

* 2nd round:

Continue discussion if necessary.

# Topic #1: Core requirements maintenance

*Main technical topic overview. The structure can be done based on sub-agenda basis.*

There are two CR submitted to the core requirements maintenance (R4-2015512, R4-2015513). Companies please provide comments in 1.1.2 directly.

## Companies views’ collection for 1st round

### Open issues

### CRs/TPs comments collection

*Major close-to-finalize WIs and Rel-15 maintenance, comments collections can be arranged for TPs and CRs. For Rel-16 on-going WIs, suggest to focus on open issues discussion on 1st round.*

|  |  |
| --- | --- |
| **CR/TP number** | **Comments collection** |
| R4-2015512 | Huawei: The CR is resubmission of the CR R4-2012193 in RAN4#96e meeting which is not implemented due to some changes are not based on the latest spec. The proposed changes are technically accepted by companies in the last meeting. |
| Company B |
|  |
| R4-2015513 | Huawei: The CR is to align the requirement for short DRX when eDRX is configured. Currently the UE is required to perform intra/inter-f measurement every DRX when eDRX is configured for the new introduced short DRX length (i.e. Tmeasure = 4 DRX without eDRX; Tmeasure = 1 DRX with eDRX). As the minimum PTW is 2.56s which allows multiple measurement occasions within the PTW for the short DRX, it is suggest to have the same measurement requirement w/wo eDRX. |
| MTK: Support this CR which provides better power saving opportunities for UE in short DRX cycles. |
| Ericsson: In our understanding, one of the changes in this CR is to align Tmeasure /Tevaluate between with and without eDRX for DRX cycle length of 320/640ms. For example, Tmeasure /Tevaluate in Table 4.6.2.2-2 are aligned with Table 4.6.2.2-1.  We are fine with this change, but there are misalignments of Tevalute  1) between Tables 4.6.2.2-1 (5.12) and Table 4.6.2.2-2 (2.56).  2) between Tables 4.6.2.5-1 (5.12) and Table 4.6.2.5-2 (2.56).  Please check it. |

## Summary for 1st round

### Open issues

*Moderator tries to summarize discussion status for 1st round, list all the identified open issues and tentative agreements or candidate options and suggestion for 2nd round i.e. WF assignment.*

|  |  |
| --- | --- |
|  | **Status summary** |
| **Sub-topic#1** | *Tentative agreements:*  *Candidate options:*  *Recommendations for 2nd round:* |

*Recommendations on WF/LS assignment*

|  |  |  |
| --- | --- | --- |
|  | **WF/LS t-doc Title** | **Assigned Company,**  **WF or LS lead** |
| #1 |  |  |

### CRs/TPs

*Moderator tries to summarize discussion status for 1st round and provides recommendation on CRs/TPs Status update*

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| --- | --- |
| **CR/TP number** | **CRs/TPs Status update recommendation** |
| XXX | *Based on 1st round of comments collection, moderator can recommend the next steps such as “agreeable”, “to be revised”* |

## Discussion on 2nd round (if applicable)

## Summary on 2nd round (if applicable)

*Moderator tries to summarize discussion status for 2nd round and provided recommendation on CRs/TPs/WFs/LSs Status update suggestion*

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| --- | --- |
| **CR/TP/LS/WF number** | **T-doc Status update recommendation** |
| XXX | *Based on 2nd round of comments collection, moderator can recommend the next steps such as “agreeable”, “to be revised”* |

# Topic #2: Performance

*Main technical topic overview. The structure can be done based on sub-agenda basis.*

## Companies’ contributions summary

|  |  |  |
| --- | --- | --- |
| **T-doc number** | **Company** | **Proposals / Observations** |
| R4-2015817 | Ericsson | **Proposal 1: Reuse the Rel-14 MSG3-based channel quality report test on anchor for Rel-16 MSG3-based channel quality report test on non-anchor.**  **Proposal 2: Configure NPDCCH carrier index (ndpcch-CarrierIndex-r14) for Rel-16 MSG3-based channel quality report test on non-anchor.** |

## Open issues summary

*Before e-Meeting, moderators shall summarize list of open issues, candidate options and possible WF (if applicable) based on companies’ contributions.*

### Sub-topic 2-1

*Sub-topic description:*

*Open issues and candidate options before e-meeting:*

**Issue 2-1: MSG3-based channel quality report test on non-anchor carrier**

* Proposals
  + Option 1: Reuse the Rel-14 MSG3-based channel quality report test on anchor for Rel-16 MSG3-based channel quality report test on non-anchor. (Ericsson, R4-2015817 )
  + Option 2: Configure NPDCCH carrier index (ndpcch-CarrierIndex-r14) for Rel-16 MSG3-based channel quality report test on non-anchor. (Ericsson, R4-2015817 )
* Recommended WF
  + Discuss the above proposals

## Companies views’ collection for 1st round

### Open issues

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| --- | --- |
| **Company** | **Comments** |
| XXX | Sub topic 2-1:  Sub topic 2-2:  ….  Others: |
| Huawei | Issue 2-1: Ok with option 1 and option 2. |
| Ericsson | Issue 2-1: Support both options. |

### CRs/TPs comments collection

*Major close to finalize WIs and Rel-15 maintenance, comments collections can be arranged for TPs and CRs. For Rel-16 on-going WIs, suggest to focus on open issues discussion on 1st round.*

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| --- | --- |
| **CR/TP number** | **Comments collection** |
| R4-2015514 | Company A |
| Company B |
|  |
| R4-2015817 | Huawei: We have a little comment about a typo: ndpcch-CarrierIndex-r14 should be npdcch |
| Ericsson: For Huawei’s comments: Thanks for pointing out. We would like to fix in the revision. |
|  |
| R4-2016553 | Huawei: The repetition level of npdcch is not configured. And there should be other specs affected in the coversheet (TS36.521-3). |
| Ericsson: No technical comments, but we think it should be ‘draft CR’ |
|  |

## Summary for 1st round

### Open issues

*Moderator tries to summarize discussion status for 1st round, list all the identified open issues and tentative agreements or candidate options and suggestion for 2nd round i.e. WF assignment.*

|  |  |
| --- | --- |
|  | **Status summary** |
| **Sub-topic#1** | *Tentative agreements:*  *Candidate options:*  *Recommendations for 2nd round:* |

*Suggestion on WF/LS assignment*

|  |  |  |
| --- | --- | --- |
|  | **WF/LS t-doc Title** | **Assigned Company,**  **WF or LS lead** |
| #1 |  |  |

### CRs/TPs

*Moderator tries to summarize discussion status for 1st round and provided recommendation on CRs/TPs Status update suggestion*

|  |  |
| --- | --- |
| **CR/TP number** | **CRs/TPs Status update recommendation** |
| XXX | *Based on 1st round of comments collection, moderator can recommend the next steps such as “agreeable”, “to be revised”* |

## Discussion on 2nd round (if applicable)

## Summary on 2nd round (if applicable)

*Moderator tries to summarize discussion status for 2nd round and provided recommendation on CRs/TPs/WFs/LSs Status update suggestion*

|  |  |
| --- | --- |
| **CR/TP/LS/WF number** | **T-doc Status update recommendation** |
| XXX | *Based on 2nd round of comments collection, moderator can recommend the next steps such as “agreeable”, “to be revised”* |