**3GPP TSG-RAN WG4 Meeting #** **98-e R4-2103463**

**Electronic Meeting, Jan. 25-Feb. 5, 2021**

**Agenda item:** 7.18.1

**Source:** Moderator (ZTE Corporation)

**Title:** Email discussion summary for [98e][224] NR\_2step\_RACH\_RRM

**Document for:** Information

# Introduction

The scope of this email discussion summary covers following agenda items.

* 7.18.1 RRM requirements maintenance (38.133)

# Topic #1: Requirements maintenance

## Companies’ contributions summary

|  |  |  |
| --- | --- | --- |
| **T-doc number** | **Company** | **Proposals / Observations** |
| [R4-2100115](https://www.3gpp.org/ftp/TSG_RAN/WG4_Radio/TSGR4_98_e/Docs/R4-2100115.zip) | ZTE Corporation | [CR] Applicability rule for 2-step RA |
| R4-2100116 | ZTE Corporation | [CR] Applicability rule for 2-step RA (Cat A) |
| [R4-2100580](https://www.3gpp.org/ftp/TSG_RAN/WG4_Radio/TSGR4_98_e/Docs/R4-2100580.zip) | Nokia, Nokia Shanghai Bell | 2-step RACH RRM performance requirements corrections |
| R4-2100581 | Nokia, Nokia Shanghai Bell | 2-step RACH RRM performance requirements corrections |
| [R4-2100835](https://www.3gpp.org/ftp/TSG_RAN/WG4_Radio/TSGR4_98_e/Docs/R4-2100835.zip) | ZTE Corporation | **Observation 1:** Procedures for 2-step RACH under NR-U have already been captured in RAN2 specifications.  **Proposal 1: The applicability rule for 2-step RA and 4-step RA shall be updated accordingly.**  **Proposal 2: Agree on CR [3].** |

## Open issues summary

### Sub-topic 1-1

Issue 1-1: Whether to update the applicability rule for 2-step and 4-step RA type to reflect latest updates in RAN2

Option 1: Yes

Option 2: No

## Companies views’ collection for 1st round

### Open issues

|  |  |
| --- | --- |
| **Company** | **Comments** |
| ZTE | Issue 1-1: support Option 1 as the proponent. Since the feature is already captured in RAN2 specifications, RAN4 need to follow up and capture the requirements accordingly. |
| Ericsson | Issue 1-1: Support Option 1. But it is also discussed in AI 7.1.5.2 (NR-U RRC connection mobility control). Both the conclusions should be aligned. |
| Nokia | Issue 1-1: Unfortunately, this discussion is clashing with the one in AI 7.1.5.2 as pointed out by Ericsson. If the applicability rule is changed with separate applicability of NR and NR-U RACH requirements, the proposed CR would be not relevant anymore.  For this reason, I believe it is better to threat this topic in the NR-U email thread. |
| QC | Issue 1-1: Same view as Ericsson and Nokia, need to align with NR-U decision, and merge CR. |
| NEC | Support option 1. Also share similar view as other companies that two CRs can be merged. |

### CRs/TPs comments collection

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| **CR/TP number** | **Comments collection** |
| [R4-21001](https://www.3gpp.org/ftp/TSG_RAN/WG4_Radio/TSGR4_98_e/Docs/R4-2100580.zip)15 | Ericsson:  Coversheet errors: Missing information for ‘Clauses affected’ and ‘Other specs affected’.  We have submitted CR R4-2102642 in AI 7.1.5.2 (NR-U RRC connection mobility control), which includes this update. We propose R4-2100115 is merged with R4-2102642. |
| Nokia:  I just want to suggest to take the chance to correct the word “acess” that should be replaced by “access” in the existing text.  Merging with R4-2102642 might be a good solution as suggested by Ericsson. |
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| [R4-2100580](https://www.3gpp.org/ftp/TSG_RAN/WG4_Radio/TSGR4_98_e/Docs/R4-2100580.zip) |  |
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## 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.*

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|  | **Status summary** |
| **Sub-topic#1-1** | *Tentative agreements:* This issue has already been settled during GTW session on NR-U. Both 2-step and 4-step RACH applies to NR-U scenarios.  *Recommendations for 2nd round:* No need to further discuss. |

*Recommendations on WF/LS assignment*

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| --- | --- | --- |
|  | **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** |
| [R4-2100115](https://www.3gpp.org/ftp/TSG_RAN/WG4_Radio/TSGR4_98_e/Docs/R4-2100580.zip) | Merged to R4-2102642. |
| [R4-2100580](https://www.3gpp.org/ftp/TSG_RAN/WG4_Radio/TSGR4_98_e/Docs/R4-2100580.zip) | Agreed. |

## Discussion on 2nd round (if applicable)

### CRs/TPs comments collection

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| **CR/TP number** | **Comments collection** |
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## 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** |
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