**3GPP TSG-RAN WG4 Meeting #96-e R4-200xxxx**

**Electronic Meeting, August 17th – 28th 2020**

**Agenda item:** 4.9, 5.4, 6.5.4, 7.19.6

**Source:** Moderator (Intel Corporation)

**Title:** Email discussion summary for [96e][313] Demod\_Maintenance

**Document for:** Information

# Introduction

The scope of this email thread is:

* Rel-15 NR maintenance – UE demodulation and CSI requirements (AI 4.9.1 and 4.9.2)
* LTE maintenance up to Rel-15 - UE demodulation and CSI requirements (AI 5.4.1)
* Note: There are no tdocs submitted in this meeting for:
  + Rel-15 NR maintenance – BS demodulation requirements (AI 4.9.3)
  + LTE maintenance up to Rel-15 - BS demodulation requirements (AI 5.4.2)
  + Rel-16 LTE maintenance (AI 6.5.4)
  + Rel-16 NR maintenance (AI 7.19.6)

Email discussion targets for the 1st round and 2nd round

* 1st round:
  + Collect comments for NR and LTE CRs.
* 2nd round:
  + Collect comments for revised NR and LTE CRs from the 1st round.

# Topic #1: Rel-15 NR maintenance - UE demodulation and CSI requirements

## Companies’ contributions summary

|  |  |  |
| --- | --- | --- |
| **T-doc number** | **Company** | **Proposals / Observations** |
| R4-2009540 | ANRITSU LTD | Rel-15 CR with the following changes for TS 38.101-4:   * Changed Reference Channel from R.PDSCH.1-1.4 FDD to R.PDSCH.1-1.3 FDD in Table 5.2.2.1.3-3 and Table 5.2.3.1.3-3 |
| R4-2009541 | ANRITSU LTD | Rel-16 Cat A CR of R4-2009540 |
| R4-2010798 | Rohde & Schwarz | Rel-15 CR with the following changes for TS 38.101-4:   * Readded R.PDSCH.1-1.4 FDD to the specification |
| R4-2010799 | Rohde & Schwarz | Rel-16 Cat A CR of R4-2010798 |
| R4-2011401 | Qualcomm Incorporated | Rel-15 CR with the following changes for TS 38.101-4:   * PDCCH allocation for LTE-NR coexistence PDSCH tests is specified. PDCCH is allocated on symbol 2. * Number of HARQ processes for Test 2-1 in Section 5.2.3.1.1 is fixed. * PDSCH precoding configuration for FR2 SDR tests is fixed. * Editor’s notes are removed in Annex C.3.1 and C.5.1 |
| R4-2009538 | ANRITSU LTD | Rel-15 CR with the following changes for TS 38.101-4:   * Resource type of ZP CSI-RS is changed from “Aperiodic” to “Periodic” so that no DCI 1-1 (DL grant, i.e. with PDSCH) transmission is required on slot#1. * Periodicity of Periodic ZP CSI-RS is set to 8 slot with offset 1 so that it is sent on the same timing as Aperiodic NZP-CSI-RS * ZP CSI-RS trigger at ZP CSI-RS configuration is removed. |
| R4-2009539 | ANRITSU LTD | Rel-16 Cat A CR of R4-2009538 |

## Open issues summary

N/A

## Companies views’ collection for 1st round

### Open issues

N/A

### CRs comments collection

|  |  |
| --- | --- |
| **CR number** | **Comments collection** |
| R4-2009540 |  |
|  |
|  |
| R4-2010798 |  |
|  |
|  |
| R4-2011401 |  |
|  |
|  |
| R4-2009538 |  |
|  |
|  |

## Summary for 1st round

### Open issues

|  |
| --- |
| **Status summary** |
|  |

### CRs

|  |  |
| --- | --- |
| **CR number** | **CRs/TPs Status update recommendation** |
|  |  |
|  |  |
|  |  |
|  |  |

## Discussion on 2nd round (if applicable)

## Summary on 2nd round (if applicable)

|  |  |
| --- | --- |
| **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: LTE requirements maintenance (up to Rel-15) - UE demodulation and CSI requirements

## Companies’ contributions summary

|  |  |  |
| --- | --- | --- |
| **T-doc number** | **Company** | **Proposals / Observations** |
| R4-2010460 | Ericsson | Rel-14 CR with the following changes for TS 36.101:   * Set OP.1 FS3 as OCNG patter for LAA CC for SDR requirements |
| R4-2010461 | Ericsson | Rel-15 Cat A CR of R4-2010460 |
| R4-2010462 | Ericsson | Rel-16 Cat A CR of R4-2010460 |
| R4-2010463 | Ericsson | Rel-15 CR with the following changes for TS 36.101:   * Add note PDSCH demodulation requirements with 64QAM for MTC UE is applicable for MTC UE capable of ce-PDSCH-64QAM. |
| R4-2010464 | Ericsson | Rel-16 Cat A CR of R4-2010463 |

## Open issues summary

N/A

## Companies views’ collection for 1st round

### Open issues

N/A

### CRs comments collection

|  |  |
| --- | --- |
| **CR number** | **Comments collection** |
| R4-2010460 |  |
|  |
|  |
| R4-2010463 |  |
|  |
|  |

## Summary for 1st round

### Open issues

N/A

### CRs

|  |  |
| --- | --- |
| **CR number** | **CRs/TPs Status update recommendation** |
|  |  |
|  |  |

## Discussion on 2nd round (if applicable)

## Summary on 2nd round (if applicable)

|  |  |
| --- | --- |
| **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”* |