**3GPP TSG-RAN WG1 #104-e R1-210xxxx**

**e-Meeting, January 25th – February 5th, 2020**

**Agenda item:** 5

**Source:** 3GPP TSG RAN1 Chairman

**Title:** RAN1#104-e preparation phase on LSs

**Document for:** Discussion/Decision

# Introduction

In this document, we will summarize contributions submitted to Agenda Item 5 of RAN1#104-e, and identify a set of critical LSs (if any) that need to be addressed in the subsequent email discussion/approval phase .

# Summary

The list of contributions can be found in the References section. Herein we organize the LSs based on the respective topics. Note that the goal is to identify the LS **critical** to address during this e-Meeting.

## Incoming LSs “To RAN1”

### LTE

None

### NR

#### R1-2100022 LS on the use of simultaneous CSI-RS resources and ports RAN2, Ericsson

Related contributions:

* [R1-2100403](file:///C:\Users\wanshic\OneDrive%20-%20Qualcomm\Documents\Standards\3GPP%20Standards\Meeting%20Documents\TSGR1_104\Docs\R1-2100403.zip) Draft reply LS on use of simultaneous CSI-RS resources and ports CATT
* [R1-2101170](file:///C:\Users\wanshic\OneDrive%20-%20Qualcomm\Documents\Standards\3GPP%20Standards\Meeting%20Documents\TSGR1_104\Docs\R1-2101170.zip) Draft reply LS on the use of simultaneous CSI-RS resources and ports Samsung
* [R1-2101303](file:///C:\Users\wanshic\OneDrive%20-%20Qualcomm\Documents\Standards\3GPP%20Standards\Meeting%20Documents\TSGR1_104\Docs\R1-2101303.zip) Draft Reply LS on the use of simultaneous CSI-RS resources and ports Ericsson
* [R1-2101742](file:///C:\Users\wanshic\OneDrive%20-%20Qualcomm\Documents\Standards\3GPP%20Standards\Meeting%20Documents\TSGR1_104\Docs\R1-2101742.zip) Discussion on use of simultaneous CSI-RS resources and ports Huawei, HiSilicon

Initial assessment:

* Noted. A reply LS may be necessary – email discussion/approval till 1/28

Conclusion:

* Email discussion/approval for the reply LS to R1-2100022 till 1/28 (name TBD, Ericsson)

|  |  |
| --- | --- |
| **Company** | **Views** |
| Samsung | RAN1 response is necessary. |
| Intel | Agree with Chair’s assessment |
| vivo | Agree with Chairman’s initial assessment |
| ZTE | A reply LS is needed. |
| OPPO | Agree with the assessment |
| CATT | Agree with Chairman’s assessment. |
| Nokia | Agree with the initial assessment. |
| MediaTek | Agree with the initial assessment. |
| LG Electronics | Agree with the initial accessment |
| Huawei, HiSilicon | Agree with initial assessment. |
| FUTUREWEI | Reply LS is necessary |

#### R1-2100005 LS on Rel-16 NR Positioning Correction RAN3, Huawei

Related contributions:

* [R1-2100312](file:///C:\Users\wanshic\OneDrive%20-%20Qualcomm\Documents\Standards\3GPP%20Standards\Meeting%20Documents\TSGR1_104\Docs\R1-2100312.zip) Discussion on RAN3 LS on Rel-16 NR Positioning Correction CATT
* [R1-2100313](file:///C:\Users\wanshic\OneDrive%20-%20Qualcomm\Documents\Standards\3GPP%20Standards\Meeting%20Documents\TSGR1_104\Docs\R1-2100313.zip) Draft Reply LS on Rel-16 NR Positioning Correction CATT
* [R1-2101153](file:///C:\Users\wanshic\OneDrive%20-%20Qualcomm\Documents\Standards\3GPP%20Standards\Meeting%20Documents\TSGR1_104\Docs\R1-2101153.zip) Draft reply LS on Rel-16 NR Positioning Correction vivo
* [R1-2101250](file:///C:\Users\wanshic\OneDrive%20-%20Qualcomm\Documents\Standards\3GPP%20Standards\Meeting%20Documents\TSGR1_104\Docs\R1-2101250.zip) Discussion on SRS carrier information Huawei, HiSilicon
* [R1-2101251](file:///C:\Users\wanshic\OneDrive%20-%20Qualcomm\Documents\Standards\3GPP%20Standards\Meeting%20Documents\TSGR1_104\Docs\R1-2101251.zip) Reply LS on Rel-16 NR Positioning Correction Huawei, HiSilicon

Initial assessment:

* Noted. A reply LS may be necessary – email discussion/approval till 1/28, to be handled under 7.2.8

Conclusion:

* Email discussion/approval for the reply LS to R1-2100005 till 1/28, to be handled under 7.2.8 (name TBD, Huawei)

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| **Company** | **Views** |
| Samsung | RAN1 response is necessary. |
| Intel | Agree with Chair’s assessment |
| vivo | Agree with Chairman’s initial assessment |
| ZTE | Agree with the initial assessment. |
| OPPO | Agree with the initial assessment. A reply is necessary. |
| CATT | Agree with Chairman’s assessment. |
| Nokia | Agree with the initial assessment |
| Huawei, HiSilicon | Agree with the initial accessment. |
| FUTUREWEI | Reply LS is necessary |

#### R1-2100008 LS on measuring CSI-RS during SCell activation. RAN4, Ericsson

Related contributions:

* [R1-2100888](C:\\Users\\wanshic\\OneDrive - Qualcomm\\Documents\\Standards\\3GPP Standards\\Meeting Documents\\TSGR1_104\\Docs\\R1-2100888.zip) Discussion on RAN4 LS on measuring CSI-RS during SCell activation LG Electronics
* [R1-2101164](file:///C:\Users\wanshic\OneDrive%20-%20Qualcomm\Documents\Standards\3GPP%20Standards\Meeting%20Documents\TSGR1_104\Docs\R1-2101164.zip) Discussion on measuring CSI-RS during Scell activation Samsung
* [R1-2101156](C:\\Users\\wanshic\\OneDrive - Qualcomm\\Documents\\Standards\\3GPP Standards\\Meeting Documents\\TSGR1_104\\Docs\\R1-2101156.zip) Draft reply LS on measuring CSI-RS during SCell activation vivo
* [R1-2101287](file:///C:\Users\wanshic\OneDrive%20-%20Qualcomm\Documents\Standards\3GPP%20Standards\Meeting%20Documents\TSGR1_104\Docs\R1-2101287.zip) Discussion on RAN4 LS on measuring CSI-RS during SCell activation Nokia, Nokia Shanghai Bell
* [R1-2101335](file:///C:\Users\wanshic\OneDrive%20-%20Qualcomm\Documents\Standards\3GPP%20Standards\Meeting%20Documents\TSGR1_104\Docs\R1-2101335.zip) Discussion on measuring CSI-RS during SCell activation Apple
* [R1-2101336](file:///C:\Users\wanshic\OneDrive%20-%20Qualcomm\Documents\Standards\3GPP%20Standards\Meeting%20Documents\TSGR1_104\Docs\R1-2101336.zip) [Draft] LS reply on measuring CSI-RS during SCell activation Apple
* [R1-2101747](file:///C:\Users\wanshic\OneDrive%20-%20Qualcomm\Documents\Standards\3GPP%20Standards\Meeting%20Documents\TSGR1_104\Docs\R1-2101747.zip) Discussion on measuring CSI-RS during SCell activation Huawei, HiSilicon

Initial assessment:

* Noted; a reply LS is necessary – target 1/29 for email approval. To be handled under 7.2.2

Conclusion:

* Email discussion/approval of the reply LS to R1-2100008 till 1/29, to be handled under 7.2.2 (name TBD, Ericsson)

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| **Company** | **Views** |
| Samsung | Agree with the initial assessment. |
| Intel | Agree with Chair’s assessment |
| vivo | Agree with Chairman’s initial assessment |
| ZTE | Agree with the intitial assessment |
| OPPO | Agree with the initial assessment. |
| Nokia | Agree with the initial assessment |
| MediaTek | Agree with the initial assessment |
| LG Electronics | Agree with the initial assessment. |
| Huawei, HiSilicon | Agree with the initial assessment. |
| Qualcomm | Agree with the initial assessment. |

#### R1-2100009 LS on SL switching priority RAN4, Xiaomi

Related contributions:

* [R1-2100139](C:\\Users\\wanshic\\OneDrive - Qualcomm\\Documents\\Standards\\3GPP Standards\\Meeting Documents\\TSGR1_104\\Docs\\R1-2100139.zip) Draft reply LS on SL switching priority OPPO
* [R1-2100316](file:///C:\Users\wanshic\OneDrive%20-%20Qualcomm\Documents\Standards\3GPP%20Standards\Meeting%20Documents\TSGR1_104\Docs\R1-2100316.zip) Draft Reply LS on SL switching priority CATT, GOHIGH
* [R1-2100935](file:///C:\Users\wanshic\OneDrive%20-%20Qualcomm\Documents\Standards\3GPP%20Standards\Meeting%20Documents\TSGR1_104\Docs\R1-2100935.zip) [Draft] Reply LS on SL switching priority ZTE, Sanechips
* [R1-2101090](file:///C:\Users\wanshic\OneDrive%20-%20Qualcomm\Documents\Standards\3GPP%20Standards\Meeting%20Documents\TSGR1_104\Docs\R1-2101090.zip) [Draft] Reply LS on SL switching priority Xiaomi
* [R1-2101148](file:///C:\Users\wanshic\OneDrive%20-%20Qualcomm\Documents\Standards\3GPP%20Standards\Meeting%20Documents\TSGR1_104\Docs\R1-2101148.zip) Draft relay LS on SL switching priority vivo
* [R1-2101149](file:///C:\Users\wanshic\OneDrive%20-%20Qualcomm\Documents\Standards\3GPP%20Standards\Meeting%20Documents\TSGR1_104\Docs\R1-2101149.zip) Discussion on switching between LTE SL and NR SL vivo
* [R1-2101169](file:///C:\Users\wanshic\OneDrive%20-%20Qualcomm\Documents\Standards\3GPP%20Standards\Meeting%20Documents\TSGR1_104\Docs\R1-2101169.zip) Draft reply LS on SL switching priority Samsung
* [R1-2101427](file:///C:\Users\wanshic\OneDrive%20-%20Qualcomm\Documents\Standards\3GPP%20Standards\Meeting%20Documents\TSGR1_104\Docs\R1-2101427.zip) Reply to RAN4 LS on SL Switching Priority Qualcomm Incorporated
* [R1-2101706](file:///C:\Users\wanshic\OneDrive%20-%20Qualcomm\Documents\Standards\3GPP%20Standards\Meeting%20Documents\TSGR1_104\Docs\R1-2101706.zip) [Draft] LS on SL switching priority Ericsson
* [R1-2101735](file:///C:\Users\wanshic\OneDrive%20-%20Qualcomm\Documents\Standards\3GPP%20Standards\Meeting%20Documents\TSGR1_104\Docs\R1-2101735.zip) Discussion on RAN4 LS on SL switching priority Huawei, HiSilicon

Initial assessment:

* Noted; a reply LS is necessary – target 1/29 for email approval. To be handled under 7.2.4

Conclusion:

* Email discussion/approval of the reply LS to R1-2100009 till 1/29, to be handled under 7.2.4 (name TBD, Xiaomi)

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| **Company** | **Views** |
| Samsung | Agree with the initial assessment. |
| Intel | Agree with Chair’s assessment |
| vivo | Agree with Chairman’s initial assessment |
| ZTE | Agree with the initial assessment. |
| OPPO | Agree with the initial assessment. |
| CATT | Agree with Chairman’s assessment. |
| Nokia | Agree with the initial assessment |
| MediaTek | Agree with the initial assessment |
| LG Electronics | Agree with the initial assessment. |
| Huawei, HiSilicon | Agree. |
| FUTUREWEI | Agree with the initial assessment |

#### R1-2100013 LS on TCI state indication at Direct SCell activation RAN4, MediaTek

Related contributions:

* [R1-2100502](file:///C:\Users\wanshic\OneDrive%20-%20Qualcomm\Documents\Standards\3GPP%20Standards\Meeting%20Documents\TSGR1_104\Docs\R1-2100502.zip) On TCI state indication for Scells Nokia, Nokia Shanghai Bell
* [R1-2101147](file:///C:\Users\wanshic\OneDrive%20-%20Qualcomm\Documents\Standards\3GPP%20Standards\Meeting%20Documents\TSGR1_104\Docs\R1-2101147.zip) Draft relay LS on TCI state indication at Direct SCell activation vivo
* [R1-2101741](file:///C:\Users\wanshic\OneDrive%20-%20Qualcomm\Documents\Standards\3GPP%20Standards\Meeting%20Documents\TSGR1_104\Docs\R1-2101741.zip) Discussion on TCI state indication at Direct SCell activation Huawei, HiSilicon

Initial assessment:

* Noted; discussion is necessary including a possible reply LS – target 1/29 for email discussion/approval. To be handled under 7.2.10

Conclusion:

* Email discussion/approval of a potential reply LS to R1-2100013 till 1/29, to be handled under 7.2.10 (name TBD, MediaTek)

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| **Company** | **Views** |
| Samsung | Agree with the initial assessment. |
| Intel | Agree with Chair’s assessment |
| vivo | Agree with Chairman’s initial assessment |
| ZTE | We prefer to wait for RAN2’s discussion outcome first.  We noticed that some companies have submitted layer2-based solutions to RAN2 meeting. It would be better to avoid parallel discussion in RAN1 and RAN2, which may cause potential confliction. Since this topic is led by RAN2, we prefer to wait for RAN2’s discussion outcome first. |
| Nokia | Agree with the initial assessment. |
| MediaTek | Agree with the initial assessment. |
| LG | Agree with the initial assessment. |
| Huawei, HiSilicon | Agree with the initial assessment. |
| FUTUREWEI | Reply LS is necessary |
| Qualcomm | Agree with the initial assessment. |

#### R1-2100018 LS on multi-TRP description in Stage-2 RAN2, Nokia

Related contributions:

* [R1-2100125](file:///C:\Users\wanshic\OneDrive%20-%20Qualcomm\Documents\Standards\3GPP%20Standards\Meeting%20Documents\TSGR1_104\Docs\R1-2100125.zip) Discussion on LS on multi-TRP description in Stage-2 OPPO
* [R1-2101750](file:///C:\Users\wanshic\OneDrive%20-%20Qualcomm\Documents\Standards\3GPP%20Standards\Meeting%20Documents\TSGR1_104\Docs\R1-2101750.zip) On changes to multi-TRP description in Stage 2 Huawei, HiSilicon

Initial assessment:

* Noted; discussion is necessary including a possible reply LS – target 1/27 for email discussion/approval. To be handled under 7.2.6

Conclusion:

* Email discussion/approval of a potential reply LS to R1-2100018 till 1/27, to be handled under 7.2.6 (name TBD, Nokia)

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| **Company** | **Views** |
| Samsung | Agree with the initial assessment. |
| Intel | Agree with Chair’s assessment |
| ZTE | Agree with the initial assessment. |
| OPPO | Agree with the initial assessment. |
| CATT | Agree with Chairman’s assessment. |
| Nokia | Agree with the initial assessment. |
| LG Electronics | Agree with the initial assessment. |

#### R1-2100031 Reply LS on multi-CC simultaneous TCI activation with multi-TRP/panel transmission RAN2, Ericsson

Related contributions:

* None

Initial assessment:

* Noted; no subsequent email discussion

Conclusion:

* Noted; no subsequent email discussion

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| **Company** | **Views** |
| Samsung | Agree with the initial assessment. |
| Intel | Agree with Chair’s assessment |
| vivo | Agree with Chairman’s initial assessment |
| ZTE | Agree with the initial assessment. |
| CATT | Agree with Chairman’s assessment. |
| Nokia | Agree with the initial assessment. |
| LG Electronics | Agree with the initial assessment. |

#### R1-2100026 LS on overlapped data and SR are of equal L1 priority RAN2, Huawei

Related contributions:

* [R1-2100088](file:///C:\Users\wanshic\OneDrive%20-%20Qualcomm\Documents\Standards\3GPP%20Standards\Meeting%20Documents\TSGR1_104\Docs\R1-2100088.zip) [DRAFT] Reply LS on overlapped data and SR of equal L1 priority ZTE
* [R1-2100089](file:///C:\Users\wanshic\OneDrive%20-%20Qualcomm\Documents\Standards\3GPP%20Standards\Meeting%20Documents\TSGR1_104\Docs\R1-2100089.zip) Discussion on overlapped data and SR of equal L1 priority ZTE
* [R1-2100318](file:///C:\Users\wanshic\OneDrive%20-%20Qualcomm\Documents\Standards\3GPP%20Standards\Meeting%20Documents\TSGR1_104\Docs\R1-2100318.zip) Discussion on overlapped data and SR of equal L1 priority CATT
* [R1-2100727](file:///C:\Users\wanshic\OneDrive%20-%20Qualcomm\Documents\Standards\3GPP%20Standards\Meeting%20Documents\TSGR1_104\Docs\R1-2100727.zip) [Draft] Reply LS on overlapped data and SR are of equal L1 priority Nokia
* [R1-2101154](file:///C:\Users\wanshic\OneDrive%20-%20Qualcomm\Documents\Standards\3GPP%20Standards\Meeting%20Documents\TSGR1_104\Docs\R1-2101154.zip) Reply LS on overlapped data and SR with equal L1 priority vivo
* [R1-2101166](file:///C:\Users\wanshic\OneDrive%20-%20Qualcomm\Documents\Standards\3GPP%20Standards\Meeting%20Documents\TSGR1_104\Docs\R1-2101166.zip) Draft reply LS on overlapped data and SR are of equal L1 priority Samsung
* [R1-2101276](file:///C:\Users\wanshic\OneDrive%20-%20Qualcomm\Documents\Standards\3GPP%20Standards\Meeting%20Documents\TSGR1_104\Docs\R1-2101276.zip) Draft reply LS on overlapped data and SR with equal L1 priority for Rel-16 URLLC Huawei, HiSilicon
* [R1-2101277](file:///C:\Users\wanshic\OneDrive%20-%20Qualcomm\Documents\Standards\3GPP%20Standards\Meeting%20Documents\TSGR1_104\Docs\R1-2101277.zip) Discussion on overlapped data and SR with equal L1 priority for Rel-16 URLLC Huawei, HiSilicon
* [R1-2101502](file:///C:\Users\wanshic\OneDrive%20-%20Qualcomm\Documents\Standards\3GPP%20Standards\Meeting%20Documents\TSGR1_104\Docs\R1-2101502.zip) Discussion of Response LS on Overlapped Data and SR of Equal L1 Priority Ericsson Inc.
* [R1-2101528](file:///C:\Users\wanshic\OneDrive%20-%20Qualcomm\Documents\Standards\3GPP%20Standards\Meeting%20Documents\TSGR1_104\Docs\R1-2101528.zip) Discussion on LS on overlapping data and SR with same L1 priority Intel Corporation

Initial assessment:

* Noted; a reply LS is necessary – email approval till 1/29, to be handled under 7.2.5.

Conclusion:

* Email discussion/approval of the reply LS to R1-2100026 till 1/29, to be handled under 7.2.5 (name TBD, Huawei)

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| --- | --- |
| **Company** | **Views** |
| Samsung | Agree with the initial assessment. |
| Intel | Agree with Chair’s assessment |
| vivo | Agree with Chairman’s initial assessment |
| ZTE | Agree with the initial assessment. |
| CATT | Agree with Chairman’s assessment. |
| Nokia | Agree with the initial assessment. |
| LG Electronics | Agree with the initial assessment. |
| Huawei, HiSilicon | Fine with the initial assessment. |
| Qualcomm | Agree with the initial assessment. |

#### R1-2100003 LS on Rel-16 updated RAN4 UE features lists for LTE and NR RAN4, CMCC

Related contributions:

* [R1-2100887](file:///C:\Users\wanshic\OneDrive%20-%20Qualcomm\Documents\Standards\3GPP%20Standards\Meeting%20Documents\TSGR1_104\Docs\R1-2100887.zip) Draft reply LS on Rel-16 updated RAN4 UE features lists for LTE and NR LG Electronics

Initial assessment:

* There are specific actions to RAN1
* Noted; a reply LS is necessary – to be handled under 7.2.11.

Conclusion:

* Email discussion/approval of the reply LS to R1-2100003, to be handled under 7.2.11 (name TBD, CMCC)

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| **Company** | **Views** |
| Samsung | Agree with the initial assessment. Need to set a due date for email approval. |
| Intel | Agree with Chair’s assessment |
| vivo | Agree with Chairman’s initial assessment |
| NTT DOCOMO | Agree with Chairman’s initial assessment, and this issue is captured as candidate discussion topic for NRU UE features in 7.2.11 summary. |
| ZTE | Agree with the initial assessment. |
| Nokia | Agree with the initial assessment. |
| MediaTek | Agree with the initial assessment. |
| LG Electronics | Agree with the initial assessment. |
| Huawei, HiSilicon | Reply necessary for the action on NR-U only. |

#### R1-2100019 LS on capability for extended RAR window monitoring RAN2, Qualcomm

Related contributions:

* [R1-2100889](file:///C:\Users\wanshic\OneDrive%20-%20Qualcomm\Documents\Standards\3GPP%20Standards\Meeting%20Documents\TSGR1_104\Docs\R1-2100889.zip) Discussion on RAN2 LS on capability for extended RAR window monitoring LG Electronics

Initial assessment:

* Noted; discussion is necessary including a possible reply LS. To be handled under 7.2.11.

Conclusion:

* Email discussion regarding LS in R1-2100019, including a possible reply LS if necessary, to be handled under 7.2.11 (name TBD, Qualcomm)

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| --- | --- |
| **Company** | **Views** |
| Samsung | Agree with the initial assessment. |
| Intel | We don’t think it is necessary to be discussed. We just need to note RAN2 agreement and RAN2’s CR. |
| vivo | Agree with Chairman’s initial assessment |
| NTT DOCOMO | Agree with Chairman’s initial assessment, and this issue is captured as candidate discussion topic for NRU UE features in 7.2.11 summary. Same as here, there are different views among companies in NRU UE feature summary in 7.2.11 whether RAN1 need to discuss this issue or just need to note the RAN2 LS. |
| ZTE | Agree with the intitial assessment |
| Nokia | Agree with Intel, Should suffice that RAN1 just notes the RAN2 LS, but this can be of course confirmed in the NR-U UE features if there is a desire to do so. |
| MediaTek | Agree with the initial assessment. |
| LG Electronics | Agree with the initial assessment. |
| Huawei, HiSilicon | Agree with the initial assessment. |
| FUTUREWEI | Agree with Intel and Nokia |

#### R1-2100023 LS on half-duplex operation RAN2, Nokia

Related contributions:

* [R1-2100085](C:\\Users\\wanshic\\OneDrive - Qualcomm\\Documents\\Standards\\3GPP Standards\\Meeting Documents\\TSGR1_104\\Docs\\R1-2100085.zip) [DRAFT] Reply LS on half-duplex operation ZTE
* [R1-2100319](file:///C:\Users\wanshic\OneDrive%20-%20Qualcomm\Documents\Standards\3GPP%20Standards\Meeting%20Documents\TSGR1_104\Docs\R1-2100319.zip) Draft reply LS on half-duplex operation CATT
* [R1-2100504](file:///C:\Users\wanshic\OneDrive%20-%20Qualcomm\Documents\Standards\3GPP%20Standards\Meeting%20Documents\TSGR1_104\Docs\R1-2100504.zip) On half-duplex operation Nokia, Nokia Shanghai Bell
* [R1-2101158](file:///C:\Users\wanshic\OneDrive%20-%20Qualcomm\Documents\Standards\3GPP%20Standards\Meeting%20Documents\TSGR1_104\Docs\R1-2101158.zip) Discussion on Configuration for CA Half duplex operation vivo
* [R1-2101163](file:///C:\Users\wanshic\OneDrive%20-%20Qualcomm\Documents\Standards\3GPP%20Standards\Meeting%20Documents\TSGR1_104\Docs\R1-2101163.zip) Draft reply LS on half-duplex operation Samsung
* [R1-2101745](file:///C:\Users\wanshic\OneDrive%20-%20Qualcomm\Documents\Standards\3GPP%20Standards\Meeting%20Documents\TSGR1_104\Docs\R1-2101745.zip) Discussion on LS on half-duplex operation Huawei, HiSilicon

Initial assessment:

* Noted; a reply LS may be necessary – email discussion/approval till 1/28

Conclusion:

* Email discussion/approval for the reply LS to R1-200023 till 1/28 (name TBD, Nokia)
  + Possible CRs will be handled under 7.2.12

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| **Company** | **Views** |
| Samsung | RAN1 response is necessary. |
| ETRI | We think a reply LS is necessary.  It seems that R1-2101163 (Samsung) could be a starting point, since it provides a simple answer based on the current RAN1 specification.  RAN1 CR(s) due to the updated parameter could be handled separately, if needed. |
| vivo | Agree with Chairman’s initial assessment |
| NTT DOCOMO | Agree with Chairman’s initial assessment, and the potential CR regarding this LS is captured as candidate discussion topic for NR TEI in 7.2.12 summary. |
| ZTE | Agree with the intitial assessment. A reply is needed. |
| CATT | Agree with Chairman’s assessment. |
| Nokia | Agree with the initial assessment |
| Huawei, HiSilicon | Agree with the initial assessment. Need reply LS. |

#### R1-2100004 LS on inter-donor topology redundancy RAN3, Samsung

Related contributions:

* [R1-2100961](file:///C:\Users\wanshic\OneDrive%20-%20Qualcomm\Documents\Standards\3GPP%20Standards\Meeting%20Documents\TSGR1_104\Docs\R1-2100961.zip) About reply LS on inter-donor topology redundancy in IAB ZTE, Sanechips
* [R1-2101167](file:///C:\Users\wanshic\OneDrive%20-%20Qualcomm\Documents\Standards\3GPP%20Standards\Meeting%20Documents\TSGR1_104\Docs\R1-2101167.zip) Draft reply LS on inter-donor topology redundancy Samsung
* [R1-2101155](file:///C:\Users\wanshic\OneDrive%20-%20Qualcomm\Documents\Standards\3GPP%20Standards\Meeting%20Documents\TSGR1_104\Docs\R1-2101155.zip) Draft reply LS on on inter-donor topology redundancy vivo
* [R1-2101749](file:///C:\Users\wanshic\OneDrive%20-%20Qualcomm\Documents\Standards\3GPP%20Standards\Meeting%20Documents\TSGR1_104\Docs\R1-2101749.zip) Discussion on inter-donor topology redundancy Huawei, HiSilicon
* [R1-2101697](file:///C:\Users\wanshic\OneDrive%20-%20Qualcomm\Documents\Standards\3GPP%20Standards\Meeting%20Documents\TSGR1_104\Docs\R1-2101697.zip) Response to RAN3 LS on inter-donor topology redundancy Ericsson

Initial assessment:

* Noted; a reply LS may be necessary – email discussion/approval till 2/1. To be managed under 8.10

Conclusion:

* Email discussion/approval for the reply LS to R1-210004 till 2/1, to be managed under 8.10 (name TBD, Samsung)

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| **Company** | **Views** |
| Samsung | RAN1 response is necessary. |
| ETRI | We think a reply LS is necessary.  We prefer the reply (R1-2101749, Huawei) with the following modifications:  *When one IAB node is simultaneously connected to two parent nodes belonging to two different donors, the following cases are feasible from RAN1 point of view:*   * *Inter-carrier, inter-band DC ~~wherein no resource coordination is required~~ without any RAN1 specification impact.* * *Inter-carrier, intra-band DC at least in FR2 without any RAN1 specification impact, if two parent nodes have aligned TDD UL/DL configurations*    + *Inter-carrier, intra-band DC in FR1 can be further discussed in RAN1* |
| vivo | Agree with Chairman’s initial assessment |
| ZTE | A reply LS is needed. |
| Nokia | Agree with the initial assessment |
| LG | Agree with the initial assessment |
| Huawei, HiSilicon | RAN1 reply LS is necessary. |
| Qualcomm | Agree with Chairman’s initial assessment |

#### R1-2100007 LS on Phase noise and other RF Impairment modelling RAN4, Ericsson

Related contributions:

* None

Initial assessment:

* Noted; no subsequent email discussion.

Conclusion:

* Noted; no subsequent email discussion.

|  |  |
| --- | --- |
| **Company** | **Views** |
| Samsung | Agree with the initial assessment. |
| vivo | Agree with Chairman’s initial assessment |
| Nokia | Agree with the initial assessment |
| LG Electronics | Agree with the initial assessment. |
| Huawei, HiSilicon | Agree with the initial assessment. |

#### R1-2100014 AN-PDB and PER targets for satellite access SA2, Qualcomm

Related contributions:

* [R1-2101719](file:///C:\Users\wanshic\OneDrive%20-%20Qualcomm\Documents\Standards\3GPP%20Standards\Meeting%20Documents\TSGR1_104\Docs\R1-2101719.zip) Discussion on LS on AN-PDB and PER targets for satellite access Intel Corporation
* [R1-2101748](file:///C:\Users\wanshic\OneDrive%20-%20Qualcomm\Documents\Standards\3GPP%20Standards\Meeting%20Documents\TSGR1_104\Docs\R1-2101748.zip) Discussion on the AN-PDB and PER targets for satellite access Huawei, HiSilicon

Initial assessment:

* Noted. A reply LS is necessary – target 2/1 for email approval. To be handled under 8.4.

Conclusion:

* Email discussion/approval of the reply LS to R1-2100014 till 2/1, to be handled under 8.4 (name TBD, Qualcomm)

|  |  |
| --- | --- |
| **Company** | **Views** |
| Samsung | Agree with the initial assessment. |
| ZTE | This can be handled under 8.4, but duplicated reply LS should be avoided by coordination with RAN2. |
| Nokia | Agree with the initial assessment. Agree with ZTE’s point, there should be just one response from the RAN WGs |
| LG Electronics | Agree with the initial accessment |
| Huawei, HiSilicon | Agree with the initial assessment. |

#### R1-2100020 LS on Paging Enhancement RAN2, MediaTek

Related contributions:

* [R1-2101152](C:\\Users\\wanshic\\OneDrive - Qualcomm\\Documents\\Standards\\3GPP Standards\\Meeting Documents\\TSGR1_104\\Docs\\R1-2101152.zip) Discussion on Paging enhancement vivo
* [R1-2101645](C:\\Users\\wanshic\\OneDrive - Qualcomm\\Documents\\Standards\\3GPP Standards\\Meeting Documents\\TSGR1_104\\Docs\\R1-2101645.zip) Discussion on the feasibility and limitations of paging subgrouping ZTE , Sanechips
* [R1-2101667](file:///C:\Users\wanshic\OneDrive%20-%20Qualcomm\Documents\Standards\3GPP%20Standards\Meeting%20Documents\TSGR1_104\Docs\R1-2101667.zip) [Draft] Reply LS on Paging Enhancement Nokia, Nokia Shanghai Bell
* [R1-2101746](file:///C:\Users\wanshic\OneDrive%20-%20Qualcomm\Documents\Standards\3GPP%20Standards\Meeting%20Documents\TSGR1_104\Docs\R1-2101746.zip) Discussion on LS on paging enhancement Huawei, HiSilicon

Initial assessment:

* Noted; discussion is necessary including a possible reply LS. To be handled under 8.7

Conclusion:

* Email discussion regarding LS in R1-2100020, including a possible reply LS till 2/1, to be handled under 8.7 (name TBD, MediaTek)

|  |  |
| --- | --- |
| **Company** | **Views** |
| Samsung | Agree with the initial assessment. |
| vivo | Agree with Chairman’s initial assessment |
| ZTE | Agree with the initial assessment. |
| Nokia | Agree with the initial assessment |
| MediaTek | Agree with the initial assessment |
| Huawei, HiSilicon | Agree with the initial assessment and we think a reply LS is needed. |
| Qualcomm | Agree with the initial assessment |

#### R1-2100021 LS to RAN1 on SL DRX design RAN2, ZTE

Related contributions:

* [R1-2100311](file:///C:\Users\wanshic\OneDrive%20-%20Qualcomm\Documents\Standards\3GPP%20Standards\Meeting%20Documents\TSGR1_104\Docs\R1-2100311.zip) Discussion on LS from RAN2 on SL DRX design CATT, GOHIGH
* [R1-2100513](file:///C:\Users\wanshic\OneDrive%20-%20Qualcomm\Documents\Standards\3GPP%20Standards\Meeting%20Documents\TSGR1_104\Docs\R1-2100513.zip) Draft reply LS on SL DRX design LG Electronics
* [R1-2100923](file:///C:\Users\wanshic\OneDrive%20-%20Qualcomm\Documents\Standards\3GPP%20Standards\Meeting%20Documents\TSGR1_104\Docs\R1-2100923.zip) [draft]Reply LS to RAN2 on sidelink DRX ZTE, Sanechips
* [R1-2101151](file:///C:\Users\wanshic\OneDrive%20-%20Qualcomm\Documents\Standards\3GPP%20Standards\Meeting%20Documents\TSGR1_104\Docs\R1-2101151.zip) Draft relay LS on SL DRX design vivo
* [R1-2101429](file:///C:\Users\wanshic\OneDrive%20-%20Qualcomm\Documents\Standards\3GPP%20Standards\Meeting%20Documents\TSGR1_104\Docs\R1-2101429.zip) Reply to RAN2 LS on SL DRX design Qualcomm Incorporated
* [R1-2101705](file:///C:\Users\wanshic\OneDrive%20-%20Qualcomm\Documents\Standards\3GPP%20Standards\Meeting%20Documents\TSGR1_104\Docs\R1-2101705.zip) [Draft] LS on SL DRX design Ericsson
* [R1-2101736](file:///C:\Users\wanshic\OneDrive%20-%20Qualcomm\Documents\Standards\3GPP%20Standards\Meeting%20Documents\TSGR1_104\Docs\R1-2101736.zip) Discussion on RAN2 LS on DRX impact Huawei, HiSilicon

Initial assessment:

* Noted; discussion is necessary including a possible reply LS. To be handled under 8.11

Conclusion:

* Email discussion regarding LS in R1-2100021, including a possible reply LS till 2/1, to be handled under 8.11 (name TBD, ZTE)

|  |  |
| --- | --- |
| **Company** | **Views** |
| Samsung | Agree with the initial assessment. |
| vivo | Agree with Chairman’s initial assessment |
| ZTE | Agree with the initial assessment. |
| OPPO | Agree with the initial assessment. RAN2 working assumption should be discussed first under 8.11.1.1 power saving resource allocation AI, to understand whether RAN1 has any issue/concern. If there is no concern and no further details we wish to communicate to RAN2, no reply LS is necessary. |
| CATT | Agree with Chairman’s assessment. |
| Nokia | Agree with the initial assessment |
| MediaTek | Agree with the initial assessment |
| LG Electronics | Agree with the initial assessment. |
| Huawei, HiSilcon | Fine with the initial assessment. |

#### R1-2100024 Reply LS on propagation delay compensation enhancements RAN2, Nokia

Related contributions:

* None

Initial assessment:

* Noted; no subsequent email discussion.

Conclusion:

* Noted; no subsequent email discussion.

|  |  |
| --- | --- |
| **Company** | **Views** |
| Samsung | Agree with the initial assessment. |
| Vivo | Agree with Chairman’s initial assessment |
| ZTE | Agree with the initial assessment. |
| OPPO | Agree with Chairman’s initial assessment. Any related discussion can be raised in AI 8.3.4. |
| CATT | Agree with Chairman’s assessment. |
| Nokia | Agree with the initial assessment |
| LG Electronics | Agree with the initial assessment. |

#### R1-2100025 LS on physical layer aspects of small data transmission RAN2, ZTE

Related contributions:

* [R1-2100080](file:///C:\Users\wanshic\OneDrive%20-%20Qualcomm\Documents\Standards\3GPP%20Standards\Meeting%20Documents\TSGR1_104\Docs\R1-2100080.zip) Discussion on the physical layer aspects of small data transmission ZTE, Sanechips
* [R1-2100317](file:///C:\Users\wanshic\OneDrive%20-%20Qualcomm\Documents\Standards\3GPP%20Standards\Meeting%20Documents\TSGR1_104\Docs\R1-2100317.zip) Discussion on physical layer aspects of small data transmission CATT
* [R1-2100501](file:///C:\Users\wanshic\OneDrive%20-%20Qualcomm\Documents\Standards\3GPP%20Standards\Meeting%20Documents\TSGR1_104\Docs\R1-2100501.zip) On physical layer aspects of small data transmission Nokia, Nokia Shanghai Bell
* [R1-2100627](file:///C:\Users\wanshic\OneDrive%20-%20Qualcomm\Documents\Standards\3GPP%20Standards\Meeting%20Documents\TSGR1_104\Docs\R1-2100627.zip) Discussion on LS on small data transmission Intel Corporation
* [R1-2100910](file:///C:\Users\wanshic\OneDrive%20-%20Qualcomm\Documents\Standards\3GPP%20Standards\Meeting%20Documents\TSGR1_104\Docs\R1-2100910.zip) Discussion on physical layer aspects of small data transmission LG Electronics
* [R1-2101159](file:///C:\Users\wanshic\OneDrive%20-%20Qualcomm\Documents\Standards\3GPP%20Standards\Meeting%20Documents\TSGR1_104\Docs\R1-2101159.zip) Discussion on RAN1 impacts for small data transmisison vivo
* [R1-2101165](file:///C:\Users\wanshic\OneDrive%20-%20Qualcomm\Documents\Standards\3GPP%20Standards\Meeting%20Documents\TSGR1_104\Docs\R1-2101165.zip) Discussion on physical layer aspects of small data transmission Samsung
* [R1-2101267](file:///C:\Users\wanshic\OneDrive%20-%20Qualcomm\Documents\Standards\3GPP%20Standards\Meeting%20Documents\TSGR1_104\Docs\R1-2101267.zip) RA and CG based small data transmission Huawei, HiSilicon
* [R1-2101338](file:///C:\Users\wanshic\OneDrive%20-%20Qualcomm\Documents\Standards\3GPP%20Standards\Meeting%20Documents\TSGR1_104\Docs\R1-2101338.zip) Discussion on physical layer aspects of small data transmission Apple
* [R1-2101405](file:///C:\Users\wanshic\OneDrive%20-%20Qualcomm\Documents\Standards\3GPP%20Standards\Meeting%20Documents\TSGR1_104\Docs\R1-2101405.zip) Physical layer aspects of small data transmission InterDigital, Inc.
* [R1-2101430](file:///C:\Users\wanshic\OneDrive%20-%20Qualcomm\Documents\Standards\3GPP%20Standards\Meeting%20Documents\TSGR1_104\Docs\R1-2101430.zip) Reply to RAN2 LS on SDT resource configuration Qualcomm Incorporated
* [R1-2101518](file:///C:\Users\wanshic\OneDrive%20-%20Qualcomm\Documents\Standards\3GPP%20Standards\Meeting%20Documents\TSGR1_104\Docs\R1-2101518.zip) [DRAFT] LS reply on physical layer aspects of small data transmission Ericsson

Initial assessment:

* Noted; replay LS is necessary – email discussion/approval till 2/3

Conclusion:

* Email discussion regarding LS in R1-2100025 including a potential reply LS till 2/3 – (name TBD, ZTE)

|  |  |
| --- | --- |
| **Company** | **Views** |
| Samsung | Agree with the initial assessment. |
| Vivo | We support to start an email discussion for this topic suggest we start technical discussion first on the related issues and if things can be converged we draft an LS, otherwise we can defer the LS reply to next meeting. |
| ZTE | Agree with the intitial assessment. |
| Nokia | Agree with the initial assessment |
| MediaTek | Agree with the initial assessment |
| LG Electronics | Agree with the initial assessment. |
| Huawei, HiSilicon | Agree with the initial assessment. |
| Qualcomm | Agree with the initial assessment. |

#### R1-2101765 LS on XR-Traffic Models SA4, Qualcomm

Related contributions:

* None

Initial assessment:

* Noted; no separate email thread is necessary. Discussion including a possible reply LS is to done under 8.14

Conclusion:

* Noted; no separate email thread is necessary. Discussion including a possible reply LS is to done under 8.14

|  |  |
| --- | --- |
| **Company** | **Views** |
| Samsung | Agree with the initial assessment. |
| vivo | Agree with Chairman’s initial assessment |
| ZTE | Agree with the intitial assessment. |
| Nokia | Agree with the initial assessment |
| MediaTek | Agree with the initial assessment |
| Huawei, HiSilicon | Agree with the initial assessment. |
| Qualcomm | Agree with the initial assessment. |

#### R1-2100015 LS on New Standardized 5QIs for 5G-AIS (Advanced Interactive Services) SA2, Tencent

Related contributions:

* [R1-2101157](file:///C:\Users\wanshic\OneDrive%20-%20Qualcomm\Documents\Standards\3GPP%20Standards\Meeting%20Documents\TSGR1_104\Docs\R1-2101157.zip) Draft reply LS on New Standardized 5QIs for 5G-AIS vivo
* [R1-2101319](file:///C:\Users\wanshic\OneDrive%20-%20Qualcomm\Documents\Standards\3GPP%20Standards\Meeting%20Documents\TSGR1_104\Docs\R1-2101319.zip) Draft LS response on New Standardized 5QIs for AIS Ericsson
* [R1-2101337](file:///C:\Users\wanshic\OneDrive%20-%20Qualcomm\Documents\Standards\3GPP%20Standards\Meeting%20Documents\TSGR1_104\Docs\R1-2101337.zip) Draft reply LS on newly proposed 5QIs for 5G-AIS Apple
* [R1-2101410](file:///C:\Users\wanshic\OneDrive%20-%20Qualcomm\Documents\Standards\3GPP%20Standards\Meeting%20Documents\TSGR1_104\Docs\R1-2101410.zip) Discussion on new standardized 5QIs for 5G-AIS from SA2 OPPO, Tencent, China Mobile, China Telecom, China Unicom
* [R1-2101411](file:///C:\Users\wanshic\OneDrive%20-%20Qualcomm\Documents\Standards\3GPP%20Standards\Meeting%20Documents\TSGR1_104\Docs\R1-2101411.zip) [Draft] Reply LS on New Standardized 5QIs for 5G-AIS (Advanced Interactive Services) OPPO
* [R1-2101753](file:///C:\Users\wanshic\OneDrive%20-%20Qualcomm\Documents\Standards\3GPP%20Standards\Meeting%20Documents\TSGR1_104\Docs\R1-2101753.zip) Discussion on LS on new standardized 5QIs for 5G-AIS Huawei, HiSilicon

Initial assessment:

* Noted; discussion may be necessary including a possible reply LS – target 1/29 for email discussion/approval.

Conclusion:

* Email discussion regarding LS in R1-2100015, including potentially a reply LS till 1/29 – (name TBD, OPPO)

|  |  |
| --- | --- |
| **Company** | **Views** |
| Samsung | Agree with the initial assessment. |
| vivo | Agree with Chairman’s initial assessment |
| ZTE | Agree with the intitial assessment. |
| OPPO | Agree with the initial assessment. In addition, we should target to provide a response in this meeting so that SA2 can make progress on this. |
| Nokia | Agree with the initial assessment |
| MediaTek | Agree with the initial assessment. |
| Tencent | Agree with the initial assessment. And think a reply LS is needed in this meeting. |
| LG | Agree with the initial assessment |
| Huawei, HiSilicon | Agree with the initial assessment. |
| Qualcomm | Agree with the initial assessment. |

#### R1-2100016 LS on Use of Inclusive Language in 3GPP SA, Intel

Related contributions:

* None

Initial assessment:

* Noted. Any potential RAN1 specification impact is to be handled separately in the future.

Conclusion:

* Noted. Any potential RAN1 specification impact is to be handled separately in the future.

|  |  |
| --- | --- |
| **Company** | **Views** |
| Samsung | Agree with the initial assessment. |
| vivo | Agree with Chairman’s initial assessment |
| ZTE | Agree with the intitial assessment. |
| Nokia | Agree with the initial assessment. |
| Huawei, HiSilicon | Agree. |

## Incoming LSs “CC: RAN1”

**All the following LSs are noted – no actions from RAN1 unless explicitly requested.**

* [R1-2100006](file:///C:\Users\wanshic\OneDrive%20-%20Qualcomm\Documents\Standards\3GPP%20Standards\Meeting%20Documents\TSGR1_104\Docs\R1-2100006.zip) Reply LS on LS on signalling of satellite backhaul connection RAN3, Huawei
* [R1-2100010](file:///C:\Users\wanshic\OneDrive%20-%20Qualcomm\Documents\Standards\3GPP%20Standards\Meeting%20Documents\TSGR1_104\Docs\R1-2100010.zip) LS response on cell-grouping UE capability for synchronous NR-DC RAN4, Apple
* [R1-2100011](file:///C:\Users\wanshic\OneDrive%20-%20Qualcomm\Documents\Standards\3GPP%20Standards\Meeting%20Documents\TSGR1_104\Docs\R1-2100011.zip) LS on DC location reporting for intra-band UL CA RAN4, Nokia
* [R1-2100012](file:///C:\Users\wanshic\OneDrive%20-%20Qualcomm\Documents\Standards\3GPP%20Standards\Meeting%20Documents\TSGR1_104\Docs\R1-2100012.zip) LS on removing restriction on configuring UL MIMO for SUL band RAN4, CMCC
* [R1-2100017](file:///C:\Users\wanshic\OneDrive%20-%20Qualcomm\Documents\Standards\3GPP%20Standards\Meeting%20Documents\TSGR1_104\Docs\R1-2100017.zip) LS on Physical layer assisted lightweight AKA (PL-AKA) protocol for the Internet of things SA3, Ericsson
* [R1-2100027](file:///C:\Users\wanshic\OneDrive%20-%20Qualcomm\Documents\Standards\3GPP%20Standards\Meeting%20Documents\TSGR1_104\Docs\R1-2100027.zip) Reply LS on power control for NR-DC RAN2, vivo
* [R1-2100028](file:///C:\Users\wanshic\OneDrive%20-%20Qualcomm\Documents\Standards\3GPP%20Standards\Meeting%20Documents\TSGR1_104\Docs\R1-2100028.zip) Reply LS on Direct Discovery and Relay RAN2, OPPO
* [R1-2100029](file:///C:\Users\wanshic\OneDrive%20-%20Qualcomm\Documents\Standards\3GPP%20Standards\Meeting%20Documents\TSGR1_104\Docs\R1-2100029.zip) Reply LS on defined values for V field in the Release 14 specification of MAC header RAN2, Huawei
* [R1-2100030](file:///C:\Users\wanshic\OneDrive%20-%20Qualcomm\Documents\Standards\3GPP%20Standards\Meeting%20Documents\TSGR1_104\Docs\R1-2100030.zip) Reply LS on Full slot formats support in TDD UL-DL configuration RAN2, Qualcomm
* [R1-2100032](file:///C:\Users\wanshic\OneDrive%20-%20Qualcomm\Documents\Standards\3GPP%20Standards\Meeting%20Documents\TSGR1_104\Docs\R1-2100032.zip) IEEE 1609 WG Liaison Message to 3GPP regarding defined values for V field in the Release 14 specification of MAC header IEEE Vehicular Technology/Intelligent Transportation System 1609 WG

## Others

### Related to R1-2009644 LS on per-table MCS range for mode-2 RAN2, OPPO

Related contributions:

* [R1-2100138](file:///C:\Users\wanshic\OneDrive%20-%20Qualcomm\Documents\Standards\3GPP%20Standards\Meeting%20Documents\TSGR1_104\Docs\R1-2100138.zip) Draft reply LS on per-table MCS range for mode-2 OPPO
* [R1-2100315](file:///C:\Users\wanshic\OneDrive%20-%20Qualcomm\Documents\Standards\3GPP%20Standards\Meeting%20Documents\TSGR1_104\Docs\R1-2100315.zip) Draft Reply LS on per table MCS range for mode-2 CATT, GOHIGH
* [R1-2101150](file:///C:\Users\wanshic\OneDrive%20-%20Qualcomm\Documents\Standards\3GPP%20Standards\Meeting%20Documents\TSGR1_104\Docs\R1-2101150.zip) Draft relay LS on per-table MCS range for mode-2 vivo
* [R1-2101168](file:///C:\Users\wanshic\OneDrive%20-%20Qualcomm\Documents\Standards\3GPP%20Standards\Meeting%20Documents\TSGR1_104\Docs\R1-2101168.zip) Draft reply LS on per-table MCS range for mode-2 Samsung
* [R1-2101428](file:///C:\Users\wanshic\OneDrive%20-%20Qualcomm\Documents\Standards\3GPP%20Standards\Meeting%20Documents\TSGR1_104\Docs\R1-2101428.zip) Reply to RAN2 LS on per-table MCS range for mode-2 Qualcomm Incorporated
* [R1-2101704](file:///C:\Users\wanshic\OneDrive%20-%20Qualcomm\Documents\Standards\3GPP%20Standards\Meeting%20Documents\TSGR1_104\Docs\R1-2101704.zip) [Draft] LS on per-table MCS range for mode-2 Ericsson
* [R1-2101734](file:///C:\Users\wanshic\OneDrive%20-%20Qualcomm\Documents\Standards\3GPP%20Standards\Meeting%20Documents\TSGR1_104\Docs\R1-2101734.zip) Discussion on RAN2 LS on per-table MCS range for mode-2 Huawei, HiSilicon

Initial assessment:

* Noted. Reply LS is necessary; Email discussion/approval till 1/28, to be handled under 7.2.4

Conclusion:

* Email discussion/approval for the reply LS to LS in R1-2009644 till 1/28, to be handled under 7.2.4 (name TBD, OPPO)

|  |  |
| --- | --- |
| **Company** | **Views** |
| Samsung | Agree with the initial assessment. |
| vivo | Agree with Chairman’s initial assessment |
| OPPO | Agree with the initial assessment. |
| Nokia | Agree with the initial assessment. |
| MediaTek | Agree with the initial assessment. |
| LG Electronics | Agree with the initial assessment. |
| Huawei, HiSilicon | Agree |

### Related to R1-2009508 LS on RAN1 agreement on pre-emption RAN2, LG Electronics

Related contributions:

* [R1-2100314](file:///C:\Users\wanshic\OneDrive%20-%20Qualcomm\Documents\Standards\3GPP%20Standards\Meeting%20Documents\TSGR1_104\Docs\R1-2100314.zip) Draft Reply LS on RAN1 agreement on pre-emption CATT, GOHIGH

Initial assessment:

* Noted. Reply LS is necessary; Email discussion/approval till 1/28, to be handled under 7.2.4

Conclusion:

* Noted. No subsequent email discussion.

|  |  |
| --- | --- |
| **Company** | **Views** |
| Samsung | RAN1 already responded at RAN1#103e (R1-2009661). |
| vivo | No need to discuss. A RAN1 LS reply (R1-2009661) has already been sent to RAN2 in last meeting. |
| OPPO | Same understanding and view as Samsung and vivo. |
| Nokia | No discussion needed, already responded. |
| MediaTek | Agree with the initial assessment. |
| Huawei, HiSilicon | As per Samsung, RAN1 have already handled this, with nothing to revisit/reply further. |

### Related to R1-2007504, LS on additional DC location reporting for intra-band UL CA, RAN4 (Qualcomm)

Related contributions:

* [R1-2100503](file:///C:\Users\wanshic\OneDrive%20-%20Qualcomm\Documents\Standards\3GPP%20Standards\Meeting%20Documents\TSGR1_104\Docs\R1-2100503.zip) On DC location reporting Nokia, Nokia Shanghai Bell

Initial assessment:

* Noted. Similar to RAN1#103-e’s discussion, wait for more progress in RAN2. No subsequent email discussion

Conclusion:

* Noted. No subsequent email discussion

|  |  |
| --- | --- |
| **Company** | **Views** |
| Samsung | No RAN1 action is required. RAN#90e tasked RAN2 to complete the corresponding work (proposal 2ter in RP-202893). |
| vivo | Agree with Chairman’s initial assessment |
| Nokia | RAN1 could just note the LS with no further actions, given the current status of affairs wirth no need to come back in the next RAN1. Can also defer making this call to the next meeting as the work can progress in the other WGs without RAN1 response. |
| MediaTek | Agree with the initial assessment. |

### Others

Related contributions:

* [R1-2101737](file:///C:\Users\wanshic\OneDrive%20-%20Qualcomm\Documents\Standards\3GPP%20Standards\Meeting%20Documents\TSGR1_104\Docs\R1-2101737.zip) Discussion on UE capability xDD differentiation for SUL/SDL bands Huawei, HiSilicon

Initial assessment:

* Noted. Details can be discussed under 7.2.11.

Conclusion:

* Noted. Details can be discussed under 7.2.11.

|  |  |
| --- | --- |
| **Company** | **Views** |
| Samsung | Agree with the initial assessment. |
| vivo | Agree with Chairman’s initial assessment |
| NTT DOCOMO | Agree with Chairman’s initial assessment, and this issue, i.e., handling of SDL/SUL in terms of capability, is captured as candidate discussion topic for NR UE features for others in 7.2.11 summary. |
| CATT | The issue was discussed in previous WG and RAN plenary meetings, and agreement in RAN plenary provide guideline for SUL. SDL would have similar situation and would not change as last time. So we suggest not to discuss it in this meeting. |
| Nokia | Agree with the intial assessment in the sense that this can be discussed further in 7.2.11 if needed, but it has been discussed already in two prior meetings. |
| MediaTek | Agree with the initial assessment. |
| Qualcomm | While the discussion in RAN2 and RAN4 is ongoing, we think that an initial discussion regarding the status of SDL would be useful. The discussion so far focused mostly on SUL only. |

# Conclusion

All incoming LSs are noted. The following are for the next phase of email discussion/approval:

***To be handled in other AIs***

* Email discussion/approval for the reply LS to R1-2100005 till 1/28, to be handled under 7.2.8 (name TBD, Huawei)
* Email discussion/approval of the reply LS to R1-2100008 till 1/29, to be handled under 7.2.2 (name TBD, Ericsson)
* Email discussion/approval of the reply LS to R1-2100009 till 1/29, to be handled under 7.2.4 (name TBD, Xiaomi)
* Email discussion/approval of a potential reply LS to R1-2100013 till 1/29, to be handled under 7.2.10 (name TBD, MediaTek)
* Email discussion/approval of a potential reply LS to R1-2100018 till 1/27, to be handled under 7.2.6 (name TBD, Nokia)
* Email discussion/approval of the reply LS to R1-2100026 till 1/29, to be handled under 7.2.5 (name TBD, Huawei)
* Email discussion/approval of the reply LS to R1-2100003, to be handled under 7.2.11 (name TBD, CMCC)
* Email discussion regarding LS in R1-2100019, including a possible reply LS if necessary, to be handled under 7.2.11 (name TBD, Qualcomm)
* Email discussion/approval for the reply LS to R1-210004 till 2/1, to be managed under 8.10 (name TBD, Samsung)
* Email discussion/approval of the reply LS to R1-2100014 till 2/1, to be handled under 8.4 (name TBD, Qualcomm)
* Email discussion regarding LS in R1-2100020, including a possible reply LS till 2/1, to be handled under 8.7 (name TBD, MediaTek)
* Email discussion regarding LS in R1-2100021, including a possible reply LS till 2/1, to be handled under 8.11 (name TBD, ZTE)
* Email discussion/approval for the reply LS to LS in R1-2009644 till 1/28, to be handled under 7.2.4 (name TBD, OPPO)

***To be handled under AI5***

* [104-e-AI5-LS-01] Email discussion/approval for the reply LS to R1-2100022 till 1/28 (name TBD, Ericsson)
* [104-e-AI5-LS-02] Email discussion/approval for the reply LS to R1-200023 till 1/28 (name TBD, Nokia)
  + Possible CRs will be handled under 7.2.12
* [104-e-AI5-LS-03] Email discussion regarding LS in R1-2100025 including a potential reply LS till 2/3 – (name TBD, ZTE)
* [104-e-AI5-LS-04] Email discussion regarding LS in R1-2100015, including potentially a reply LS till 1/29 – (name TBD, OPPO)

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[R1-2101319](file:///C:\Users\wanshic\OneDrive%20-%20Qualcomm\Documents\Standards\3GPP%20Standards\Meeting%20Documents\TSGR1_104\Docs\R1-2101319.zip) Draft LS response on New Standardized 5QIs for AIS Ericsson

[R1-2101335](file:///C:\Users\wanshic\OneDrive%20-%20Qualcomm\Documents\Standards\3GPP%20Standards\Meeting%20Documents\TSGR1_104\Docs\R1-2101335.zip) Discussion on measuring CSI-RS during SCell activation Apple

[R1-2101336](file:///C:\Users\wanshic\OneDrive%20-%20Qualcomm\Documents\Standards\3GPP%20Standards\Meeting%20Documents\TSGR1_104\Docs\R1-2101336.zip) [Draft] LS reply on measuring CSI-RS during SCell activation Apple

[R1-2101337](file:///C:\Users\wanshic\OneDrive%20-%20Qualcomm\Documents\Standards\3GPP%20Standards\Meeting%20Documents\TSGR1_104\Docs\R1-2101337.zip) Draft reply LS on newly proposed 5QIs for 5G-AIS Apple

[R1-2101338](file:///C:\Users\wanshic\OneDrive%20-%20Qualcomm\Documents\Standards\3GPP%20Standards\Meeting%20Documents\TSGR1_104\Docs\R1-2101338.zip) Discussion on physical layer aspects of small data transmission Apple

[R1-2101405](file:///C:\Users\wanshic\OneDrive%20-%20Qualcomm\Documents\Standards\3GPP%20Standards\Meeting%20Documents\TSGR1_104\Docs\R1-2101405.zip) Physical layer aspects of small data transmission InterDigital, Inc.

[R1-2101410](file:///C:\Users\wanshic\OneDrive%20-%20Qualcomm\Documents\Standards\3GPP%20Standards\Meeting%20Documents\TSGR1_104\Docs\R1-2101410.zip) Discussion on new standardized 5QIs for 5G-AIS from SA2 OPPO, Tencent, China Mobile, China Telecom, China Unicom

[R1-2101411](file:///C:\Users\wanshic\OneDrive%20-%20Qualcomm\Documents\Standards\3GPP%20Standards\Meeting%20Documents\TSGR1_104\Docs\R1-2101411.zip) [Draft] Reply LS on New Standardized 5QIs for 5G-AIS (Advanced Interactive Services) OPPO

[R1-2101427](file:///C:\Users\wanshic\OneDrive%20-%20Qualcomm\Documents\Standards\3GPP%20Standards\Meeting%20Documents\TSGR1_104\Docs\R1-2101427.zip) Reply to RAN4 LS on SL Switching Priority Qualcomm Incorporated

[R1-2101428](file:///C:\Users\wanshic\OneDrive%20-%20Qualcomm\Documents\Standards\3GPP%20Standards\Meeting%20Documents\TSGR1_104\Docs\R1-2101428.zip) Reply to RAN2 LS on per-table MCS range for mode-2 Qualcomm Incorporated

[R1-2101429](file:///C:\Users\wanshic\OneDrive%20-%20Qualcomm\Documents\Standards\3GPP%20Standards\Meeting%20Documents\TSGR1_104\Docs\R1-2101429.zip) Reply to RAN2 LS on SL DRX design Qualcomm Incorporated

[R1-2101430](file:///C:\Users\wanshic\OneDrive%20-%20Qualcomm\Documents\Standards\3GPP%20Standards\Meeting%20Documents\TSGR1_104\Docs\R1-2101430.zip) Reply to RAN2 LS on SDT resource configuration Qualcomm Incorporated

[R1-2101502](file:///C:\Users\wanshic\OneDrive%20-%20Qualcomm\Documents\Standards\3GPP%20Standards\Meeting%20Documents\TSGR1_104\Docs\R1-2101502.zip) Discussion of Response LS on Overlapped Data and SR of Equal L1 Priority Ericsson Inc.

[R1-2101518](file:///C:\Users\wanshic\OneDrive%20-%20Qualcomm\Documents\Standards\3GPP%20Standards\Meeting%20Documents\TSGR1_104\Docs\R1-2101518.zip) [DRAFT] LS reply on physical layer aspects of small data transmission Ericsson

[R1-2101528](file:///C:\Users\wanshic\OneDrive%20-%20Qualcomm\Documents\Standards\3GPP%20Standards\Meeting%20Documents\TSGR1_104\Docs\R1-2101528.zip) Discussion on LS on overlapping data and SR with same L1 priority Intel Corporation

[R1-2101645](file:///C:\Users\wanshic\OneDrive%20-%20Qualcomm\Documents\Standards\3GPP%20Standards\Meeting%20Documents\TSGR1_104\Docs\R1-2101645.zip) Discussion on the feasibility and limitations of paging subgrouping ZTE , Sanechips

[R1-2101667](file:///C:\Users\wanshic\OneDrive%20-%20Qualcomm\Documents\Standards\3GPP%20Standards\Meeting%20Documents\TSGR1_104\Docs\R1-2101667.zip) [Draft] Reply LS on Paging Enhancement Nokia, Nokia Shanghai Bell

[R1-2101704](file:///C:\Users\wanshic\OneDrive%20-%20Qualcomm\Documents\Standards\3GPP%20Standards\Meeting%20Documents\TSGR1_104\Docs\R1-2101704.zip) [Draft] LS on per-table MCS range for mode-2 Ericsson

[R1-2101705](file:///C:\Users\wanshic\OneDrive%20-%20Qualcomm\Documents\Standards\3GPP%20Standards\Meeting%20Documents\TSGR1_104\Docs\R1-2101705.zip) [Draft] LS on SL DRX design Ericsson

[R1-2101706](file:///C:\Users\wanshic\OneDrive%20-%20Qualcomm\Documents\Standards\3GPP%20Standards\Meeting%20Documents\TSGR1_104\Docs\R1-2101706.zip) [Draft] LS on SL switching priority Ericsson

[R1-2101719](file:///C:\Users\wanshic\OneDrive%20-%20Qualcomm\Documents\Standards\3GPP%20Standards\Meeting%20Documents\TSGR1_104\Docs\R1-2101719.zip) Discussion on LS on AN-PDB and PER targets for satellite access Intel Corporation

[R1-2101734](file:///C:\Users\wanshic\OneDrive%20-%20Qualcomm\Documents\Standards\3GPP%20Standards\Meeting%20Documents\TSGR1_104\Docs\R1-2101734.zip) Discussion on RAN2 LS on per-table MCS range for mode-2 Huawei, HiSilicon

[R1-2101735](file:///C:\Users\wanshic\OneDrive%20-%20Qualcomm\Documents\Standards\3GPP%20Standards\Meeting%20Documents\TSGR1_104\Docs\R1-2101735.zip) Discussion on RAN4 LS on SL switching priority Huawei, HiSilicon

[R1-2101736](file:///C:\Users\wanshic\OneDrive%20-%20Qualcomm\Documents\Standards\3GPP%20Standards\Meeting%20Documents\TSGR1_104\Docs\R1-2101736.zip) Discussion on RAN2 LS on DRX impact Huawei, HiSilicon

[R1-2101737](file:///C:\Users\wanshic\OneDrive%20-%20Qualcomm\Documents\Standards\3GPP%20Standards\Meeting%20Documents\TSGR1_104\Docs\R1-2101737.zip) Discussion on UE capability xDD differentiation for SUL/SDL bands Huawei, HiSilicon

[R1-2101741](file:///C:\Users\wanshic\OneDrive%20-%20Qualcomm\Documents\Standards\3GPP%20Standards\Meeting%20Documents\TSGR1_104\Docs\R1-2101741.zip) Discussion on TCI state indication at Direct SCell activation Huawei, HiSilicon

[R1-2101742](file:///C:\Users\wanshic\OneDrive%20-%20Qualcomm\Documents\Standards\3GPP%20Standards\Meeting%20Documents\TSGR1_104\Docs\R1-2101742.zip) Discussion on use of simultaneous CSI-RS resources and ports Huawei, HiSilicon

[R1-2101745](file:///C:\Users\wanshic\OneDrive%20-%20Qualcomm\Documents\Standards\3GPP%20Standards\Meeting%20Documents\TSGR1_104\Docs\R1-2101745.zip) Discussion on LS on half-duplex operation Huawei, HiSilicon

[R1-2101746](file:///C:\Users\wanshic\OneDrive%20-%20Qualcomm\Documents\Standards\3GPP%20Standards\Meeting%20Documents\TSGR1_104\Docs\R1-2101746.zip) Discussion on LS on paging enhancement Huawei, HiSilicon

[R1-2101747](file:///C:\Users\wanshic\OneDrive%20-%20Qualcomm\Documents\Standards\3GPP%20Standards\Meeting%20Documents\TSGR1_104\Docs\R1-2101747.zip) Discussion on measuring CSI-RS during SCell activation Huawei, HiSilicon

[R1-2101748](file:///C:\Users\wanshic\OneDrive%20-%20Qualcomm\Documents\Standards\3GPP%20Standards\Meeting%20Documents\TSGR1_104\Docs\R1-2101748.zip) Discussion on the AN-PDB and PER targets for satellite access Huawei, HiSilicon

[R1-2101749](file:///C:\Users\wanshic\OneDrive%20-%20Qualcomm\Documents\Standards\3GPP%20Standards\Meeting%20Documents\TSGR1_104\Docs\R1-2101749.zip) Discussion on inter-donor topology redundancy Huawei, HiSilicon

[R1-2101750](file:///C:\Users\wanshic\OneDrive%20-%20Qualcomm\Documents\Standards\3GPP%20Standards\Meeting%20Documents\TSGR1_104\Docs\R1-2101750.zip) On changes to multi-TRP description in Stage 2 Huawei, HiSilicon

[R1-2101753](file:///C:\Users\wanshic\OneDrive%20-%20Qualcomm\Documents\Standards\3GPP%20Standards\Meeting%20Documents\TSGR1_104\Docs\R1-2101753.zip) Discussion on LS on new standardized 5QIs for 5G-AIS Huawei, HiSilicon

R1-2101765 LS on XR-Traffic Models SA4, Qualcomm