3GPP TSG-RAN WG2 #114-e electronic R2-210xxxx

Electronic Meeting, 19th – 27th May, 2021

Agenda Item: 5.4.0

Source: Ericsson

Title: [AT114-e][003][NR15] CP IPA and Miscellaneous CRs

Document for: Discussion, Decision

# 1 Introduction

This contribution summarizes the following discussion:

* [AT114-e][003][NR15] CP IPA and Miscellaneous CRs (Ericsson)

 Scope: Treat R2-2105938, R2-2105939, R2-2105106, R2-2105107, R2-2105148, R2-2105149, R2-2105175, R2-2105176, R2-2105204, R2-2105205, R2-2105459, R2-2105462, R2-2105647, R2-2105648, R2-2105931, R2-2105937, R2-2105980, R2-2105981, R2-2106020, R2-2106021, R2-2106180, R2-2106181, R2-2106300, R2-2106308, R2-2106325, R2-2106327, R2-2106390, R2-2106391, R2-2105150, R2-2105151, R2-2105152, R2-2105153, R2-2105180, R2-2105181

 Phase 1, For IPA CRs Confirm CRs or identify needed change. Phase 2, for IPA CR modifications, and new contents for Misc Corr CRs, Work on CRs.

 Intended outcome: Report and Agreed CRs.

 Deadline:

  Initial deadline for companies’ comments (Phase 1): **Friday May 21 1000 UTC**

  Deadline for CR finalization (Phase 2): **Wednesday May 26 1200 UTC**

The following documents are treated in this discussion:

[R2-2105938](file:///D%3A%5CDocuments%5C3GPP%5Ctsg_ran%5CWG2%5CTSGR2_114-e%5CDocs%5CR2-2105938.zip) Miscellaneous non-controversial corrections Set X Ericsson CR Rel-15 38.331 15.13.0 2582 1 F NR\_newRAT-Core R2-2104651

Chair: Can be updated further

[R2-2105939](file:///D%3A%5CDocuments%5C3GPP%5Ctsg_ran%5CWG2%5CTSGR2_114-e%5CDocs%5CR2-2105939.zip) Miscellaneous non-controversial corrections Set X Ericsson CR Rel-16 38.331 16.4.1 2519 2 F NR\_newRAT-Core, TEI16 R2-2104650

Chair: Can be updated further

[R2-2105106](file:///D%3A%5CDocuments%5C3GPP%5Ctsg_ran%5CWG2%5CTSGR2_114-e%5CDocs%5CR2-2105106.zip) Clarification on CGI reporting Apple CR Rel-15 38.331 15.13.0 2601 - F NR\_newRAT-Core

[R2-2105107](file:///D%3A%5CDocuments%5C3GPP%5Ctsg_ran%5CWG2%5CTSGR2_114-e%5CDocs%5CR2-2105107.zip) Clarification on CGI reporting Apple CR Rel-16 38.331 16.4.1 2602 - A NR\_newRAT-Core

[R2-2105148](file:///D%3A%5CDocuments%5C3GPP%5Ctsg_ran%5CWG2%5CTSGR2_114-e%5CDocs%5CR2-2105148.zip) CR on UE capability in case of Cross-Carrier operation ZTE Corporation, Sanechips, Ericsson CR Rel-15 38.306 15.13.0 0544 2 F NR\_newRAT-Core R2-2104607

[R2-2105149](file:///D%3A%5CDocuments%5C3GPP%5Ctsg_ran%5CWG2%5CTSGR2_114-e%5CDocs%5CR2-2105149.zip) CR on UE capability in case of Cross-Carrier operation ZTE Corporation, Sanechips, Ericsson CR Rel-16 38.306 16.4.0 0545 2 A NR\_newRAT-Core R2-2104608

[R2-2105175](file:///D%3A%5CDocuments%5C3GPP%5Ctsg_ran%5CWG2%5CTSGR2_114-e%5CDocs%5CR2-2105175.zip) CR on the supportedBandwidthCombinationSet-R15 ZTE Corporation, Sanechips CR Rel-15 38.306 15.13.0 0565 2 F NR\_newRAT-Core R2-2104546

[R2-2105176](file:///D%3A%5CDocuments%5C3GPP%5Ctsg_ran%5CWG2%5CTSGR2_114-e%5CDocs%5CR2-2105176.zip) CR on the supportedBandwidthCombinationSet-R16 ZTE Corporation, Sanechips CR Rel-16 38.306 16.4.0 0566 2 A NR\_newRAT-Core R2-2104547

[R2-2105204](file:///D%3A%5CDocuments%5C3GPP%5Ctsg_ran%5CWG2%5CTSGR2_114-e%5CDocs%5CR2-2105204.zip) Clarification on SCellIndex and ServCellIndex NTT DOCOMO, INC. CR Rel-15 38.331 15.13.0 2526 2 F NR\_newRAT-Core R2-2104578

Moved here,

[R2-2105205](file:///D%3A%5CDocuments%5C3GPP%5Ctsg_ran%5CWG2%5CTSGR2_114-e%5CDocs%5CR2-2105205.zip) Clarification on SCellIndex and ServCellIndex NTT DOCOMO, INC. CR Rel-16 38.331 16.4.1 2527 2 A NR\_newRAT-Core R2-2104579

Moved here

[R2-2105459](file:///D%3A%5CDocuments%5C3GPP%5Ctsg_ran%5CWG2%5CTSGR2_114-e%5CDocs%5CR2-2105459.zip) Clarification on scellFrequenciesSN Nokia, Nokia Shanghai Bell CR Rel-15 38.331 15.13.0 2571 1 F NR\_newRAT-Core R2-2104539

[R2-2105462](file:///D%3A%5CDocuments%5C3GPP%5Ctsg_ran%5CWG2%5CTSGR2_114-e%5CDocs%5CR2-2105462.zip) Clarification on scellFrequenciesSN Nokia, Nokia Shanghai Bell CR Rel-16 38.331 16.4.1 2572 1 A NR\_newRAT-Core R2-2104540

[R2-2105647](file:///D%3A%5CDocuments%5C3GPP%5Ctsg_ran%5CWG2%5CTSGR2_114-e%5CDocs%5CR2-2105647.zip) Introduction of DL scheduling slot offset capabilities in UERadioPagingInformation Ericsson CR Rel-15 38.331 15.13.0 2638 - F NR\_newRAT-Core

[R2-2105648](file:///D%3A%5CDocuments%5C3GPP%5Ctsg_ran%5CWG2%5CTSGR2_114-e%5CDocs%5CR2-2105648.zip) Introduction of DL scheduling slot offset capabilities in UERadioPagingInformation Ericsson CR Rel-16 38.331 16.4.1 2639 - A NR\_newRAT-Core

[R2-2105931](file:///D%3A%5CDocuments%5C3GPP%5Ctsg_ran%5CWG2%5CTSGR2_114-e%5CDocs%5CR2-2105931.zip) Clarification of CSI measurement configuration Ericsson CR Rel-15 38.331 15.13.0 2517 1 F NR\_newRAT-Core R2-2103643

[R2-2105937](file:///D%3A%5CDocuments%5C3GPP%5Ctsg_ran%5CWG2%5CTSGR2_114-e%5CDocs%5CR2-2105937.zip) Clarification of CSI measurement configuration Ericsson CR Rel-16 38.331 16.4.1 2518 1 A NR\_newRAT-Core, TEI16 R2-2103644

[R2-2105980](file:///D%3A%5CDocuments%5C3GPP%5Ctsg_ran%5CWG2%5CTSGR2_114-e%5CDocs%5CR2-2105980.zip) Correction to the use of simultaneous CSI-RS resources Ericsson, Nokia CR Rel-15 38.306 15.13.0 0593 - F NR\_newRAT-Core

[R2-2105981](file:///D%3A%5CDocuments%5C3GPP%5Ctsg_ran%5CWG2%5CTSGR2_114-e%5CDocs%5CR2-2105981.zip) Correction to the use of simultaneous CSI-RS resources Ericsson, Nokia CR Rel-16 38.306 16.4.0 0594 - A NR\_newRAT-Core

[R2-2106020](file:///D%3A%5CDocuments%5C3GPP%5Ctsg_ran%5CWG2%5CTSGR2_114-e%5CDocs%5CR2-2106020.zip) Clarification of mcg-RB-config field description Ericsson CR Rel-15 38.331 15.13.0 2532 1 F NR\_newRAT-Core R2-2103801

[R2-2106021](file:///D%3A%5CDocuments%5C3GPP%5Ctsg_ran%5CWG2%5CTSGR2_114-e%5CDocs%5CR2-2106021.zip) Clarification of mcg-RB-config field description Ericsson CR Rel-16 38.331 16.4.1 2533 1 A NR\_newRAT-Core R2-2103802

[R2-2106180](file:///D%3A%5CDocuments%5C3GPP%5Ctsg_ran%5CWG2%5CTSGR2_114-e%5CDocs%5CR2-2106180.zip) UL Config Grant capability differentiation for FR1(TDD/FDD) / FR2 Qualcomm Incorporated CR Rel-16 38.331 16.4.1 2579 1 F NR\_newRAT-Core, TEI16 R2-2104609

[R2-2106181](file:///D%3A%5CDocuments%5C3GPP%5Ctsg_ran%5CWG2%5CTSGR2_114-e%5CDocs%5CR2-2106181.zip) UL Config Grant capability differentiation for FR1(TDD/FDD) / FR2 Qualcomm Incorporated CR Rel-16 38.306 16.4.0 0571 1 F NR\_newRAT-Core, TEI16 R2-2104610

[R2-2106300](file:///D%3A%5CDocuments%5C3GPP%5Ctsg_ran%5CWG2%5CTSGR2_114-e%5CDocs%5CR2-2106300.zip) Correction on T325 Google Inc. CR Rel-15 38.331 15.13.0 2563 2 F NR\_newRAT-Core R2-2104254

[R2-2106308](file:///D%3A%5CDocuments%5C3GPP%5Ctsg_ran%5CWG2%5CTSGR2_114-e%5CDocs%5CR2-2106308.zip) Correction on T325 Google Inc. CR Rel-16 38.331 16.4.1 2564 2 A NR\_newRAT-Core R2-2104255

[R2-2106325](file:///D%3A%5CDocuments%5C3GPP%5Ctsg_ran%5CWG2%5CTSGR2_114-e%5CDocs%5CR2-2106325.zip) Clarification on SCS of active DL and UL BWP MediaTek Inc. CR Rel-15 38.331 15.13.0 2549 2 F NR\_newRAT-Core R2-2104558

[R2-2106327](file:///D%3A%5CDocuments%5C3GPP%5Ctsg_ran%5CWG2%5CTSGR2_114-e%5CDocs%5CR2-2106327.zip) Clarification on SCS of active DL and UL BWP MediaTek Inc. CR Rel-16 38.331 16.4.1 2550 2 A NR\_newRAT-Core R2-2104559

[R2-2106390](file:///D%3A%5CDocuments%5C3GPP%5Ctsg_ran%5CWG2%5CTSGR2_114-e%5CDocs%5CR2-2106390.zip) Correction to BWP capabilities Nokia, Nokia Shanghai Bell CR Rel-15 38.306 15.13.0 0549 2 F NR\_newRAT-Core R2-2104573

[R2-2106391](file:///D%3A%5CDocuments%5C3GPP%5Ctsg_ran%5CWG2%5CTSGR2_114-e%5CDocs%5CR2-2106391.zip) Correction to BWP capabilities Nokia, Nokia Shanghai Bell CR Rel-16 38.306 16.4.0 0550 2 A NR\_newRAT-Core R2-2104574

The below 6 treated in R17 Other last meeting

[R2-2105150](file:///D%3A%5CDocuments%5C3GPP%5Ctsg_ran%5CWG2%5CTSGR2_114-e%5CDocs%5CR2-2105150.zip) CR on RRC processing delay ZTE Corporation, Sanechips CR Rel-15 38.331 15.13.0 2495 2 F NR\_newRAT-Core R2-2104581

[R2-2105151](file:///D%3A%5CDocuments%5C3GPP%5Ctsg_ran%5CWG2%5CTSGR2_114-e%5CDocs%5CR2-2105151.zip) CR on RRC processing delay ZTE Corporation, Sanechips CR Rel-16 38.331 16.4.1 2496 2 A NR\_newRAT-Core R2-2104582

[R2-2105152](file:///D%3A%5CDocuments%5C3GPP%5Ctsg_ran%5CWG2%5CTSGR2_114-e%5CDocs%5CR2-2105152.zip) CR on RRC processing delay ZTE Corporation, Sanechips CR Rel-15 36.331 15.13.0 4646 1 F NR\_newRAT-Core R2-2104583

[R2-2105153](file:///D%3A%5CDocuments%5C3GPP%5Ctsg_ran%5CWG2%5CTSGR2_114-e%5CDocs%5CR2-2105153.zip) CR on RRC processing delay ZTE Corporation, Sanechips CR Rel-16 36.331 16.4.0 4647 1 A NR\_newRAT-Core R2-2104584

[R2-2105180](file:///D%3A%5CDocuments%5C3GPP%5Ctsg_ran%5CWG2%5CTSGR2_114-e%5CDocs%5CR2-2105180.zip) CR on the 35M/45M supporting-R15 ZTE Corporation, Sanechips CR Rel-15 38.306 15.13.0 0567 2 F NR\_FR1\_35MHz\_45MHz\_BW-Core R2-2104548

[R2-2105181](file:///D%3A%5CDocuments%5C3GPP%5Ctsg_ran%5CWG2%5CTSGR2_114-e%5CDocs%5CR2-2105181.zip) CR on the 35M/45M supporting-R16 ZTE Corporation, Sanechips CR Rel-16 38.306 16.4.0 0568 2 A NR\_FR1\_35MHz\_45MHz\_BW-Core R2-2104549

Contact person(s) for each participating company:

|  |  |
| --- | --- |
| Company | Contact Name, Email |
| Ericsson | hakan.l.palm@ericsson.com |
| Lenovo | hchoi5@lenovo.com |
| LG | Sunghoon.jung@lge.com |

# 2 Discussion

## 2.1 Phase 1: Intended to determine agreeable parts

In this section, it is for the co-sourcing companies to comment

* in Q1 on any change they have made to their IPA CRs in Section 1, and
* In Q2 for other companies to comment on any changes needed on the IPA CRs.
* For IPA CRs that are not mentioned by any companies, they will be assumed to be agreeable.
* Please try to insert new comments immediately after the comments of already listed CRs.

**Q1 Co-sourcing companies comment on any changes they have made on the IPA CRs\***

|  |  |  |
| --- | --- | --- |
| **Company** | **Which CRs**  | **What changes have been made?** |
|  | R2-21xxxxx |  |
|  |  |  |
|  |  |  |

**Q2 Company comments on the IPA CRs listed in Section 1 and propose changes**

|  |  |  |
| --- | --- | --- |
| **Company** | **Which CRs**  | **What changes are required?** |
| Huawei, HiSilicon | [R2-2105931](file:///D%3A%5CDocuments%5C3GPP%5Ctsg_ran%5CWG2%5CTSGR2_114-e%5CDocs%5CR2-2105931.zip)/R2-2105937 | The change should be merged to the rapporteur CRs, as it is only a minor editorial change |
| Huawei, HiSilicon | R2-2106020/R2-2106021 | The change in this CR is confusing. The change should be further discussed under INM offline-008, together with [R2-2106186](file:///D%3A%5CDocuments%5C3GPP%5Ctsg_ran%5CWG2%5CTSGR2_114-e%5CDocs%5CR2-2106186.zip)/R2-21061867. Ericsson (Tony): This CR was widely discussed in the last meeting and majority of companies thought that the changes are okay (including Huawei). Therefore, we think that the discussion should not be reopened.Huawei: it is good that companies can have a second chance to double check the IPA CRs, and that is why we have this offline, right. The changes in the CRs are really confusing, and there is a related discussion in offline-8. That is why we think they should be handled together. |
| Lenovo | R2-2106180, R2-2106181 | R2-2106180: revision marks on cover page need to be removed.R2-2106181: revision marks on cover page need to be removed. Furthermore, the changes in 4.2.7.10 are not needed and can be removed completely. Those changes refer to the original proposal which were not agreed. |
| Lenovo | R2-2106300, R2-2106308 | Cover page:* Description in “Reason for change” is quite thin. Should add more description why the UE shall not stop T325 acc. to current specification in timer table 7.1.1 and 38.304.
* In “Impacted functionality“ the „Cell selection“ needs to be removed (T325 does not apply for cell selection).
* In „Consequences if not approved“: it is better to say „After successful completion of the mobility from NR, the UE may stop timer T325.“ Instead of saying „...the UE stops timer T325.“ The reason is that there may be UE implementations which implemented the feature correctly.

Furthermore, in the CRs the referenced subclause 5.2.2.4.2 can be removed (pages 4-8). |
| Lenovo | R2-2105180, R2-2105181 | * Cover page: which WI code is correct? “NR\_newRAT-Core” on cover page or „NR\_FR1\_35MHz\_45MHz\_BW-Core“ from Tdoc allocation?
* In the field descriptions the references channelBW\_DL, channelBW\_UL need to be corrected to channelBWs-DL, channelBWs-UL.
 |
| LG | R2-2106300, R2-2106308 | The section 5.2.2.4.2 shall be removed |
| LG | [R2-2105931](file:///D%3A%5CDocuments%5C3GPP%5Ctsg_ran%5CWG2%5CTSGR2_114-e%5CDocs%5CR2-2105931.zip)/R2-2105937 | We think this CR can be merged into Rapporteur CR, since the change is only to replace *beam* by *CSI.* |
|  |  |  |
|  |  |  |
|  |  |  |

## 2.2 Phase 2: Intended to progress discussion on agreeable parts

- To be updated after discussion on Phase 1 -

# 3 Conclusion

- To be updated after discussion on Phase 1 -