3GPP TSG-RAN WG2 Meeting #115 Electronic R2-21xxxxx

Electronic, 16 – 27 August 2021

Agenda Item: 5.4.1.3

Source: Huawei, HiSilicon

Title: [AT115-e][014][NR15] CP Other (Huawei)

Document for: Discussion, Decision

# 1 Introduction

This document is to kick off the following email discussion:

**[AT115-e][014][NR15] CP Other (Huawei)**

 Scope: Determine agreeable parts in a first phase, for agreeable parts agree on CRs. Treat R2-2108290, R2-2108644, R2-2108645, R2-2107022, R2-2108646, R2-2108647, R2-2107377, R2-2107378, R2-2107573, R2-2108571

 Intended outcome: Report, agreed CRs if applicable

 Deadline: Schedule 1

The guidance for deadline is below:

A **first round** with **Deadline for comments Thursday Aug 19 1200 UTC** to settle scope what is agreeable etc

A Final round with **Final deadline Thursday Aug 26 1200 UTC.** to settle details / agree CRs etc. Additional check points etc if needed are defined by the Rapporteur. In case some parts of an email discussion need more time, doesn’t converge, need on-line treatment etc Rapporteur please contact chair.

# Contact Information

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# Discussion

Companies are requested to add their comments on each of the CRs of this email discussion in the questionnaires below.

## Rapporteur CR

[R2-2108290](file:///D%3A/Documents/3GPP/tsg_ran/WG2/RAN2/2108_R2_115-e/Docs/R2-2108290.zip) Miscellaneous non-controversial corrections Set XI Ericsson CR Rel-15 38.331 15.14.0 2762 - F NR\_newRAT-Core

The changes are:

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| Miscellaneous non-controversial errors are corrrected.1. “TBD” in Guidelines section

Deleted “TBDs” for examples in the Guidelines section (Annex A) that have never been introduced.Corrected also some other typos. |

**Q1: Do you agree with the changes in R2-2108290?**

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## SearchSpaceSIB1

[R2-2108644](file:///D%3A/Documents/3GPP/tsg_ran/WG2/RAN2/2108_R2_115-e/Docs/R2-2108644.zip) Clarification of search space configuration for SIB1 Huawei, HiSilicon CR Rel-15 38.331 15.14.0 2790 - F NR\_newRAT-Core

Moved from 5.4.1.1

[R2-2108645](file:///D%3A/Documents/3GPP/tsg_ran/WG2/RAN2/2108_R2_115-e/Docs/R2-2108645.zip) Clarification of search space configuration for SIB1 Huawei, HiSilicon CR Rel-16 38.331 16.5.0 2791 - A NR\_newRAT-Core

Moved from 5.4.1.1

[R2-2107022](file:///D%3A/Documents/3GPP/tsg_ran/WG2/RAN2/2108_R2_115-e/Docs/R2-2107022.zip) Discussion on RMSI and OSI reception based on non-zero search space OPPO discussion Rel-15 NR\_newRAT-Core

The discussion was also discussed in RAN2#114 in R2-2107022, and no conclusion was made.

According to the proposals in R2-2108644/R2-2108645 and R2-2107022, there are basically the following options:

**Option 1**: if searchSpaceSIB1 is set to non-zero in dedicated BWPs, the UE monitors all PDCCH occasions as configured in searchSpaceSIB1, i.e. using TCI states like for other dedicated search spaces.

**Option 2**: clarify that the searchSpaceSIB1 can only be set to zero for both initial DL BWP and dedicated BWPs if configured.

**Option 3**: define the mapping between SIB1 PDCCH occasions and SSBs like for OSI if searchSpaceSIB1 is set to non-zero.

**Q2: Which option(s) above do you prefer, or you have other preference (please indicate that in the comment column)?**

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## inter-RAT measurement report triggering

[R2-2108646](file:///D%3A/Documents/3GPP/tsg_ran/WG2/RAN2/2108_R2_115-e/Docs/R2-2108646.zip) Correction on inter-RAT measurement report triggering Huawei, HiSilicon CR Rel-15 38.331 15.14.0 2792 - F NR\_newRAT-Core

[R2-2108647](file:///D%3A/Documents/3GPP/tsg_ran/WG2/RAN2/2108_R2_115-e/Docs/R2-2108647.zip) Correction on inter-RAT measurement report triggering Huawei, HiSilicon CR Rel-16 38.331 16.5.0 2793 - A NR\_newRAT-Core

The reason for changes is:

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| According to 5.5.4.1, TS 38.331, for inter-RAT E-UTRA measurement:* if the measurement is related to event B1/B2, the UE considers serving cell(s) on the associated MO as neighbour cell(s);
* else, i.e. if the measurement is the periodical report type, the UE considers neighbouring cell(s) on the associated MO which is not in the black cell list as applicable cell(s).

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| 5.5.4 Measurement report triggering5.5.4.1 GeneralIf AS security has been activated successfully, the UE shall:1> for each *measId* included in the *measIdList* within *VarMeasConfig*:2> if the corresponding *reportConfig* includes a *reportType* set to *eventTriggered* or *periodical*:……3> else if the corresponding *measObject* concerns E-UTRA:4> if *eventB1* or *eventB2* is configured in the corresponding *reportConfig*:5> consider a serving cell, if any, on the associated E-UTRA frequency as neighbour cell;4> else:5> consider any neighbouring cell detected on the associated frequency to be applicable when the concerned cell is not included in the *blackCellsToAddModListEUTRAN* defined within the *VarMeasConfig* for this *measId*; |

 Based on the above procedure, there is no description on how to determine applicable neighbouring cell(s) for the B1/B2 measurement, but in fact, the action in the “else” branch is also applicable to the B1/B2 measurement rather than only for the periodical type.Therefore, the above procedure should be modified to include the procedure of determining applicable neighbouring cell(s) for B1/B2 measurement.  |

**Q3: Do you agree with the problem identified and the changes in R2-2108646/R2-2108647?**

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## MeasObjectEUTRA

[R2-2107377](file:///D%3A/Documents/3GPP/tsg_ran/WG2/RAN2/2108_R2_115-e/Docs/R2-2107377.zip) 38331 Corrections on MeasObjectEUTRA-R15 OPPO CR Rel-15 38.331 15.14.0 2721 - F LTE\_NR\_DC\_CA\_enh-Core

Moved from 5.4.1.1

[R2-2107378](file:///D%3A/Documents/3GPP/tsg_ran/WG2/RAN2/2108_R2_115-e/Docs/R2-2107378.zip) 38331Corrections on MeasObjectEUTRA-R16 OPPO CR Rel-16 38.331 16.5.0 2722 - A NR\_newRAT-Core

Moved from 5.4.1.1

The reason for changes is:

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| ccording to introduction of inter-RAT measurement in section 5.1.1, both ‘whitelisted’ cells and ‘blacklisted’ cells can be configured. While in *MeasObjectEUTRA* IE, there is no corresponding fields to configure the while list of cells. The introduction and the configuration are misaliged in current R15 RRC specification. |

**Q4: Do you agree with the problem identified and the changes in R2-2107377/R2-2107378?**

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## L3 filtering configuration

[R2-2107573](file:///D%3A%5CDocuments%5C3GPP%5Ctsg_ran%5CWG2%5CTSGR2_115-e%5CDocs%5CR2-2107573.zip) Clarification on L3 filtering configuration (filterCoefficient) Apple discussion Rel-16 NR\_newRAT-Core

Moved from 6.1.4.1.2

It has following observations:

**Observation 1: The L1 measurement period which is the reference to the assumed sample rate for filterCoefficient configuration could be dynamically changed via L1/L2 mechanism.**

**Observation 2: L3 filtering configuration/implementation based on dynamic change of the L1 assumed sample rate is against the RRC functionality concept and increases the UE and NW complexity.**

**Q5a: Do you agree with the problem identified in R2-2107573?**

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The following proposals are provided in R2-2107573:

**Proposal 1: Confirm that UE and NW have the same assumption of the sample rate for the filterCoefficient K configuration.**

**Proposal 2: The dynamic change of the assumed sample rate “X” for the L3 filtering configuration and implementation is not supported.**

**Proposal 3: Specify that the assumed sample rate “X” for the filterCoefficient configuration as the fix value, i.e., 200ms for FR1, and 400ms for FR2.**

**Proposal 4: Agree the CR to capture the text proposal in section 2.3.**

**Q5b: Do you agree with the proposals in R2-2107573?**

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## Overheating assistance

[R2-2108571](file:///D%3A/Documents/3GPP/tsg_ran/WG2/RAN2/2108_R2_115-e/Docs/R2-2108571.zip) Clarification for overheating assistance information reporting Huawei, HiSilicon discussion Rel-15 NR\_newRAT-Core

For the first issue, it is proposed to discuss the following two alternative understandings:

**Proposal 1: If the UE sent the first overheating assistance information with preference on reduced parameter A and the NW already reduced the configuration for parameter A, UE sends the second overheating assistance information without including the preference on reduced parameter A, RAN2 to clarify how to understand UE’s preference:**

**Alt 1) UE does not have any preference on reducing configuration for parameter A and prefers to restore the configuration for parameter A**

**Alt 2) the previous preference on reduced parameter A is unchanged and UE prefers to maintain the configuration for parameter A**

**(The parameter A can be the number of maximum sCC, the number of maximum aggregated bandwidth, the number of maximum MIMO layers).**

NOTE: there is a mistake in the discussion part before Proposal 1 (i.e. Alt.1 is actually Alt.2), but anyway please just use Alt.1 and Alt.2 in Proposal 1.

**Q6a: For the first issue, which alternative above is your understanding, or you have other understanding (please indicate in the comment column)?**

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For the second issue, it is proposed to discuss the following

**Proposal 2: RAN2 to clarify how to understand the “reduced configuration” for overheating:**

**Alt 1) the reduced value can range up to the active configuration before UE indicates overheating assistance information**

**Alt 2) the reduced value can** **only range up to the current active configuration**

**Q6b: For the second issue, which alternative above is your understanding, or you have other understanding (please indicate in the comment column)?**

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# Conclusion

TBD

# References

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