**3GPP TSG RAN WG2 Meeting #110-e R2-200xxxx  
E-Conference, 1st – 12th June 2020**

**Agenda item: 5.4.2**

**Source: Nokia, Nokia Shanghai Bell**

**Title: Summary of [AT110e][012][NR15] LTE changes related to NR (Nokia)**

**Document for: Discussion and Decision**

1. Introduction

This is a summary of below offline discussion:

### 5.4.2 LTE changes related to NR

* [AT110e][012][NR15] LTE changes related to NR (Nokia)

Scope: Treat all documents under 5.4.2, 5.4.2.0, 5.4.2.1 (proponents are responsible to explain and drive)

Part 1: Agree In-principle agreed CRs, for others: Decision whether to make corrections or not, identify agreeable corrections. Deadline: June 4, 0700 UTC.

Part 2: For others, for agreeable parts, continuation to agree CRs. Deadline: June 10, 0700 UTC

2. Discussions

## 2.0 Discussion on IPA CRs in 5.4.2.0

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| Company | Any comments on IPA CRs? Feedback here with CR number and comment |
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## 2.1 Clarification to TTI bundling configuration in NE-DC

The following documents are relevant for the discussion:

[R2-2005660](file:///D:\Documents\3GPP\tsg_ran\WG2\TSGR2_110-e\Docs\R2-2005660.zip) Clarification to TTI bundling configuration in NE-DC Nokia, Nokia Shanghai Bell, CMCC, Google Inc., vivo CR Rel-15 36.331 15.9.0 4252 2 F NR\_newRAT-Core [R2-2005195](file:///D:\Documents\3GPP\tsg_ran\WG2\TSGR2_110-e\Docs\R2-2005195.zip)

[R2-2005661](file:///D:\Documents\3GPP\tsg_ran\WG2\TSGR2_110-e\Docs\R2-2005661.zip) Clarification to TTI bundling configuration in NE-DC Nokia, Nokia Shanghai Bell, CMCC, Google Inc., vivo CR Rel-16 36.331 16.0.0 4253 2 A NR\_newRAT-Core [R2-2005196](file:///D:\Documents\3GPP\tsg_ran\WG2\TSGR2_110-e\Docs\R2-2005196.zip)

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| --- | --- |
| Company | Comments |
| Nokia | [Proponent] Since last meeting we have listed the use case and explained the scenario in detail on the cover page. Companies are requested to check the cover page to understand our point of view. |
| Ericsson | As also commented in the previous meeting, we agree that current specification does not allow TTI bundling in SCG.  When DC was added to LTE, it was discussed whether to support TTI bundling in the SCG. There was no clear use case for this and RAN2 instead decided that only the MCG can configure TTI bundling.  Even if this was explained by the proponent company a bit more in detail, still we think that the same argument above for normal LTE-DC applies also in NE-DC, i.e. there is no clear/important use case to justify this NBC change. The only difference is that the MCG happens to be an NR-node rather than an LTE-node.  This CR seems to be changing behaviour. We think that it is too late to do this change and also, we do not see the need to add this new behaviour.  **We think RAN2 should not agree the NBC changes proposed in this CR.** |

## 2.2 Pcompensation for IRAT Cell Selection Criterion

The following documents are relevant for the discussion:

[R2-2004766](file:///D:\Documents\3GPP\tsg_ran\WG2\TSGR2_110-e\Docs\R2-2004766.zip) Clarification on Pcompensation for IRAT Cell Selection Criterion Apple CR Rel-15 36.304 15.5.0 0791 - F NR\_newRAT-Core

[R2-2004767](file:///D:\Documents\3GPP\tsg_ran\WG2\TSGR2_110-e\Docs\R2-2004767.zip) Clarification on Pcompensation for IRAT Cell Selection Criterion Apple CR Rel-16 36.304 16.0.0 0792 - A NR\_newRAT-Core

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| Company | Comments |
| Ericsson | We think that **the CRs are not needed**. In fact, in section 5.2.3.6 it says that the cell selection criteria for NR are specified in 38.304: **5.2.3.6 NR case in Cell Selection** The cell selection criteria and procedures in NR are specified in TS 38.304 [38]. |
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## 2.3 Clarification on PDCP version change in Rel-15

The following documents are relevant for the discussion:

[R2-2005232](file:///D:\Documents\3GPP\tsg_ran\WG2\TSGR2_110-e\Docs\R2-2005232.zip) Clarification on PDCP version change in Rel-15 Huawei, HiSilicon CR Rel-15 36.331 15.9.0 4152 3 F NR\_newRAT-Core R2-2003687

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| Company | Comments |
| Ericsson | In the last meeting, we agreed on the compromise to not change Rel-15 and we would like to stick to this principle, unless there is something very critical to be corrected.  Since this does not look the case for this CR, **we disagree to have these changes.** |
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# 3. Conclusion

Summary to be provided at end of the discussion.

# References

#### 5.4.2.0 In-principle Agreed CRs

[R2-2004450](file:///D:\Documents\3GPP\tsg_ran\WG2\TSGR2_110-e\Docs\R2-2004450.zip) Avoiding security risk for RLC AM bearers during termination point change Nokia, Nokia Shanghai Bell CR Rel-15 38.331 15.9.0 1539 2 F NR\_newRAT-Core R2-2004246

[R2-2004451](file:///D:\Documents\3GPP\tsg_ran\WG2\TSGR2_110-e\Docs\R2-2004451.zip) Avoiding security risk for RLC AM bearers during termination point change Nokia, Nokia Shanghai Bell CR Rel-15 36.331 15.9.0 4241 2 F NR\_newRAT-Core R2-2004247

[R2-2004452](file:///D:\Documents\3GPP\tsg_ran\WG2\TSGR2_110-e\Docs\R2-2004452.zip) Avoiding security risk for RLC AM bearers during termination point change Nokia, Nokia Shanghai Bell CR Rel-16 38.331 16.0.0 1599 - A NR\_newRAT-Core

[R2-2004453](file:///D:\Documents\3GPP\tsg_ran\WG2\TSGR2_110-e\Docs\R2-2004453.zip) Avoiding security risk for RLC AM bearers during termination point change Nokia, Nokia Shanghai Bell CR Rel-16 36.331 16.0.0 4293 - A NR\_newRAT-Core

[R2-2004605](file:///D:\Documents\3GPP\tsg_ran\WG2\TSGR2_110-e\Docs\R2-2004605.zip) Allowing PDCP version change without handover Ericsson, Intel Corporation CR Rel-16 36.331 16.0.0 4262 2 F NR\_newRAT-Core R2-2004191

[R2-2004606](file:///D:\Documents\3GPP\tsg_ran\WG2\TSGR2_110-e\Docs\R2-2004606.zip) Allowing PDCP version change without handover Ericsson, Intel Corporation CR Rel-16 36.306 16.0.0 1754 2 F NR\_newRAT-Core R2-2004192

[R2-2005583](file:///D:\Documents\3GPP\tsg_ran\WG2\TSGR2_110-e\Docs\R2-2005583.zip) UE measurement capability requirements for NR Google Inc. CR Rel-15 36.331 15.9.0 4281 2 F NR\_newRAT-Core R2-2004262

[R2-2005586](file:///D:\Documents\3GPP\tsg_ran\WG2\TSGR2_110-e\Docs\R2-2005586.zip) UE measurement capability requirements for NR Google Inc. CR Rel-16 36.331 16.0.0 4289 1 A NR\_newRAT-Core R2-2004263

All above Treated by email [012]

#### 5.4.2.1 Other

[R2-2005728](file:///D:\Documents\3GPP\tsg_ran\WG2\TSGR2_110-e\Docs\R2-2005728.zip) Reply LS on Calculation of ShortResumeMAC-I (S3-201489; contact: Huawei) SA3 LS in Rel-15 5GS\_Ph1-SEC To:RAN2

No action, proposed noted.

[R2-2005195](file:///D:\Documents\3GPP\tsg_ran\WG2\TSGR2_110-e\Docs\R2-2005195.zip) Clarification to TTI bundling configuration in NE-DC Nokia, Nokia Shanghai Bell, CMCC, Google Inc. CR Rel-15 36.331 15.9.0 4252 1 F NR\_newRAT-Core R2-2003156 Revised

[R2-2005660](file:///D:\Documents\3GPP\tsg_ran\WG2\TSGR2_110-e\Docs\R2-2005660.zip) Clarification to TTI bundling configuration in NE-DC Nokia, Nokia Shanghai Bell, CMCC, Google Inc., vivo CR Rel-15 36.331 15.9.0 4252 2 F NR\_newRAT-Core [R2-2005195](file:///D:\Documents\3GPP\tsg_ran\WG2\TSGR2_110-e\Docs\R2-2005195.zip)

[R2-2005196](file:///D:\Documents\3GPP\tsg_ran\WG2\TSGR2_110-e\Docs\R2-2005196.zip) Clarification to TTI bundling configuration in NE-DC Nokia, Nokia Shanghai Bell, CMCC, Google Inc. CR Rel-16 36.331 16.0.0 4253 1 A NR\_newRAT-Core R2-2003157 Revised

[R2-2005661](file:///D:\Documents\3GPP\tsg_ran\WG2\TSGR2_110-e\Docs\R2-2005661.zip) Clarification to TTI bundling configuration in NE-DC Nokia, Nokia Shanghai Bell, CMCC, Google Inc., vivo CR Rel-16 36.331 16.0.0 4253 2 A NR\_newRAT-Core [R2-2005196](file:///D:\Documents\3GPP\tsg_ran\WG2\TSGR2_110-e\Docs\R2-2005196.zip)

[R2-2004766](file:///D:\Documents\3GPP\tsg_ran\WG2\TSGR2_110-e\Docs\R2-2004766.zip) Clarification on Pcompensation for IRAT Cell Selection Criterion Apple CR Rel-15 36.304 15.5.0 0791 - F NR\_newRAT-Core

[R2-2004767](file:///D:\Documents\3GPP\tsg_ran\WG2\TSGR2_110-e\Docs\R2-2004767.zip) Clarification on Pcompensation for IRAT Cell Selection Criterion Apple CR Rel-16 36.304 16.0.0 0792 - A NR\_newRAT-Core

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