**3GPP TSG RAN WG2 Meeting #111-e R2-200xxxx  
E-Conference, August 17th – August 28th 2020**

**Agenda item: 5.4.2**

**Source: Nokia, Nokia Shanghai Bell**

**Title: Summary of [AT111-e][042][NR15] LTE Other (Nokia)**

**Document for: Discussion and Decision**

1. Introduction

This is a summary of below offline discussion:

### 5.4.2 LTE changes related to NR

LTE Other

* [AT111-e][042][NR15] LTE Other (Nokia)

Scope: Treat [R2-2006997](file:///D:\Documents\3GPP\tsg_ran\WG2\TSGR2_111-e\Docs\R2-2006997.zip), [R2-2006998](file:///D:\Documents\3GPP\tsg_ran\WG2\TSGR2_111-e\Docs\R2-2006998.zip), R2-2007350, R2-2007351, R2-2008040, R2-2008041 (proponents to drive)

Part 1: Decision whether to make corrections, identify agreeable parts. Identify Controversial issues for on-line treatment (if any).

Deadline: Aug 20, 0900 UTC.

Part 2: For agreeable parts, continuation to agree CRs.

Deadline: Aug 26, 0900 UTC.

[R2-2006997](file:///D:\Documents\3GPP\tsg_ran\WG2\TSGR2_111-e\Docs\R2-2006997.zip) Correction on the Presence Condition for drb-ToAddModList CATT CR Rel-15 36.331 15.10.0 4363 - F NR\_newRAT-Core

[R2-2006998](file:///D:\Documents\3GPP\tsg_ran\WG2\TSGR2_111-e\Docs\R2-2006998.zip) Correction on the Presence Condition for drb-ToAddModList CATT CR Rel-16 36.331 16.1.1 4364 - F NR\_newRAT-Core

Moved from 5.4.2

[R2-2007350](file:///D:\Documents\3GPP\tsg_ran\WG2\TSGR2_111-e\Docs\R2-2007350.zip) Clarification about UL 256QAM Nokia, Nokia Shanghai Bell CR Rel-15 36.331 15.10.0 4382 - F NR\_newRAT-Core

[R2-2007351](file:///D:\Documents\3GPP\tsg_ran\WG2\TSGR2_111-e\Docs\R2-2007351.zip) Clarification about UL 256QAM Nokia, Nokia Shanghai Bell CR Rel-16 36.331 16.1.0 4383 - A NR\_newRAT-Core

Moved from 7.x

[R2-2008040](file:///D:\Documents\3GPP\tsg_ran\WG2\RAN2\2008_R2_111-e\Docs\R2-2008040.zip) Correction for Qrxlevmin description in SIB24     Qualcomm Incorporated   CR       Rel-15 36.331 15.10.0   4420    -           F          LTE\_eMob-Core

[R2-2008041](file:///D:\Documents\3GPP\tsg_ran\WG2\RAN2\2008_R2_111-e\Docs\R2-2008041.zip) Correction for Qrxlevmin description in SIB24     Qualcomm Incorporated   CR       Rel-16 36.331 16.1.1  4421    -   A          LTE\_eMob-Core

2. Discussions

## 2.0 Contact list for delegates

To make it easier to find the correct contact delegate in each company for potential follow-up questions, the rapporteur encourages the delegates who provide input to provide their contact information in this table:

|  |  |
| --- | --- |
| Company | Delegate contact |
| Nokia, Nokia Shanghai Bell | Amaanat Ali (amaanat.ali@nokia.com) |
| MediaTek | Chun-Fan (Felix) Tsai – (Chun-Fan.Tsai@mediatek.com) |
| Huawei, HiSilicon | Lili Zheng (zhenglili4@huawei.com) |
|  |  |
|  |  |
|  |  |

## 2.1 Discussion on CRs [R2-2006997](file:///D:\Documents\3GPP\tsg_ran\WG2\TSGR2_111-e\Docs\R2-2006997.zip) and [R2-2006998](file:///D:\Documents\3GPP\tsg_ran\WG2\TSGR2_111-e\Docs\R2-2006998.zip)

[R2-2006997](file:///D:\Documents\3GPP\tsg_ran\WG2\TSGR2_111-e\Docs\R2-2006997.zip) Correction on the Presence Condition for drb-ToAddModList CATT CR Rel-15 36.331 15.10.0 4363 - F NR\_newRAT-Core

[R2-2006998](file:///D:\Documents\3GPP\tsg_ran\WG2\TSGR2_111-e\Docs\R2-2006998.zip) Correction on the Presence Condition for drb-ToAddModList CATT CR Rel-16 36.331 16.1.1 4364 - F NR\_newRAT-Core

|  |  |
| --- | --- |
| Company | Feedback |
| Nokia, Nokia Shanghai Bell | The initial feedback from our side is that the use case is not clear. For example, what was the scenario in which the issue is observed and what is particularly broken in the spec which you would like to fix? |
| MediaTek | We think the intention is to say that there is no need to have *drb-ToAddModList* in case all DRB using the NR PDCP in NGEN-DC. We are fine with the change but does not think this is essential. |
| Huawei, HiSilicon | We think the issue is valid and support the CR. |

## 2.2 Discussion on CRs [R2-2007350](file:///D:\Documents\3GPP\tsg_ran\WG2\TSGR2_111-e\Docs\R2-2007350.zip) and [R2-2007351](file:///D:\Documents\3GPP\tsg_ran\WG2\TSGR2_111-e\Docs\R2-2007351.zip)

The following documents are relevant for the discussion:

[R2-2007350](file:///D:\Documents\3GPP\tsg_ran\WG2\TSGR2_111-e\Docs\R2-2007350.zip) Clarification about UL 256QAM Nokia, Nokia Shanghai Bell CR Rel-15 36.331 15.10.0 4382 - F NR\_newRAT-Core

[R2-2007351](file:///D:\Documents\3GPP\tsg_ran\WG2\TSGR2_111-e\Docs\R2-2007351.zip) Clarification about UL 256QAM Nokia, Nokia Shanghai Bell CR Rel-16 36.331 16.1.0 4383 - A NR\_newRAT-Core

|  |  |
| --- | --- |
| Company | Comments |
| Nokia, Nokia Shanghai Bell | [Proponent] This is a real issue to fix as this caused some potential concern during IODT discussion. |
| MediaTek | The CR content looks correct to us. However, we failed to understand why this is related to NR with WI code - NR\_newRAT-Core. Shouldn’t the WI code be changed? |
| Huawei, HiSilicon | We think the change is ok. |

## 2.3 Discussion on CRs [R2-2008040](file:///D:\Documents\3GPP\tsg_ran\WG2\RAN2\2008_R2_111-e\Docs\R2-2008040.zip) and [R2-2008041](file:///D:\Documents\3GPP\tsg_ran\WG2\RAN2\2008_R2_111-e\Docs\R2-2008041.zip)

The following documents are relevant for the discussion:

[R2-2008040](file:///D:\Documents\3GPP\tsg_ran\WG2\RAN2\2008_R2_111-e\Docs\R2-2008040.zip) Correction for Qrxlevmin description in SIB24     Qualcomm Incorporated   CR       Rel-15 36.331 15.10.0   4420    -           F          LTE\_eMob-Core

[R2-2008041](file:///D:\Documents\3GPP\tsg_ran\WG2\RAN2\2008_R2_111-e\Docs\R2-2008041.zip) Correction for Qrxlevmin description in SIB24     Qualcomm Incorporated   CR       Rel-16 36.331 16.1.1  4421    -   A          LTE\_eMob-Core

|  |  |
| --- | --- |
| Company | Comments |
| Nokia, Nokia Shanghai Bell | Looks correct. Error was caused because in NR this \*2 was defined in IE description not in field description and LTE does not use IE. But in order to improve we would introduce IE and this behaviour similarly as in NR. |
| MediaTek | We think that the CR is correct but understand this is going to be handled in e-mail discussion #012 according to latest chairman’s guideline. |
| Ericsson | We agree with the intention. In 38.331, the “Q-RxLevMin” type is used, and for that type it is clarified that the value should be multiplied with 2. However, in 36.331 the value range is hard coded. We are open to discuss whether this should be clarified in the semantics description of the parameter or an IE should be introduced similar to NR.  It is also not clear to us whether this discussion is handled here or in #012. Note that there seems to be no directory created for #012 yet. |
| Huawei, HiSilicon | The change is reasonable. The similar description should be added to *q-QualMin*, indicating that the actual value = field value [dB] (in this case no need to be multiplied by 2). |

# 3. Conclusion

Summary to be provided at end of the discussion.

# References

### 5.4.2 LTE changes related to NR

LTE Other

* [AT111-e][042][NR15] LTE Other (Nokia)

Scope: Treat [R2-2006997](file:///D:\Documents\3GPP\tsg_ran\WG2\TSGR2_111-e\Docs\R2-2006997.zip), [R2-2006998](file:///D:\Documents\3GPP\tsg_ran\WG2\TSGR2_111-e\Docs\R2-2006998.zip), R2-2007350, R2-2007351, R2-2008040, R2-2008041 (proponents to drive)

Part 1: Decision whether to make corrections, identify agreeable parts. Identify Controversial issues for on-line treatment (if any).

Deadline: Aug 20, 0900 UTC.

Part 2: For agreeable parts, continuation to agree CRs.

Deadline: Aug 26, 0900 UTC.

[R2-2006997](file:///D:\Documents\3GPP\tsg_ran\WG2\TSGR2_111-e\Docs\R2-2006997.zip) Correction on the Presence Condition for drb-ToAddModList CATT CR Rel-15 36.331 15.10.0 4363 - F NR\_newRAT-Core

[R2-2006998](file:///D:\Documents\3GPP\tsg_ran\WG2\TSGR2_111-e\Docs\R2-2006998.zip) Correction on the Presence Condition for drb-ToAddModList CATT CR Rel-16 36.331 16.1.1 4364 - F NR\_newRAT-Core

Moved from 5.4.2

[R2-2007350](file:///D:\Documents\3GPP\tsg_ran\WG2\TSGR2_111-e\Docs\R2-2007350.zip) Clarification about UL 256QAM Nokia, Nokia Shanghai Bell CR Rel-15 36.331 15.10.0 4382 - F NR\_newRAT-Core

[R2-2007351](file:///D:\Documents\3GPP\tsg_ran\WG2\TSGR2_111-e\Docs\R2-2007351.zip) Clarification about UL 256QAM Nokia, Nokia Shanghai Bell CR Rel-16 36.331 16.1.0 4383 - A NR\_newRAT-Core

Moved from 7.x

[R2-2008040](file:///D:\Documents\3GPP\tsg_ran\WG2\RAN2\2008_R2_111-e\Docs\R2-2008040.zip) Correction for Qrxlevmin description in SIB24     Qualcomm Incorporated   CR       Rel-15 36.331 15.10.0   4420    -           F          LTE\_eMob-Core

[R2-2008041](file:///D:\Documents\3GPP\tsg_ran\WG2\RAN2\2008_R2_111-e\Docs\R2-2008041.zip) Correction for Qrxlevmin description in SIB24     Qualcomm Incorporated   CR       Rel-16 36.331 16.1.1  4421    -   A          LTE\_eMob-Core