3GPP TSG-RAN WG2 Meeting #109e [R2-200xxx](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_109_e/Docs/R2-2002087.zip)x

Elbonia, Online, 24 February – 6 March 2020

**Agenda item: 4.5**

**Source: RAN2 Vice-chair (offline email discussion rapporteur)**

**Title: Report of [AT109e][201][LTE15] Agreeing to simple LTE Rel-15 CRs (RAN2 VC)**

**Document for: Report**

# 1 Scope of the offline email discussion

This document contains the summary of the offline emaikl discussion “**[AT109e][201][LTE15] Agreeing to simple LTE Rel-15 CRs (RAN2 VC)**”, as indicated below:

* [AT109e][201][LTE15] Agreeing to simple LTE Rel-15 CRs (RAN2 VC)

Scope:

* + - Agree to CRs in [R2-2000636](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_109_e/Docs/R2-2000636.zip), [R2-2000663](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_109_e/Docs/R2-2000663.zip), [R2-2000680](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_109_e/Docs/R2-2000680.zip), [R2-2000685](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_109_e/Docs/R2-2000685.zip), [R2-2000761](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_109_e/Docs/R2-2000761.zip), [R2-2002056](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_109_e/Docs/R2-2002056.zip) and [R2-2001158](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_109_e/Docs/R2-2001158.zip).

Intended outcome:

* + - Agreeable CRs (by each CR proponent)
    - Summary of discussions (by email rappporteur), including list of CRs that require further discussion in this meeting (and are moved to discussion **202**)

Deadline for providing comments and for rappporteur inputs:

* + - Companies input: Thursday, Feb. 27th 17:00 CET
    - Rapporteur summary: Friday, Feb. 28th 17:00 CET (one day for rapporteur to make conclusions)
    - Updated CRs from each CR proponent: Monday Mar. 2nd 17:00 CET
    - Comments on CR wording: Tuesday, March 3rd by 17:00 CET (i.e. one day to provide comments to the updated CR)

# 2 LTE legacy CRs in this offline email discussion

## 2.1 [R2-2000663](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_109_e/Docs/R2-2000663.zip), “Missing QCI to CAPC mapping”, Nokia, Nokia Shanghai Bell

The CR in the title is discussed in this section. Companies are requested to provide comments in the table below (one row for each new comment to better keep track of the discussion – please don’t edit the previous comments.

|  |  |  |
| --- | --- | --- |
| **Company** | **Do you agree with the intent of the CR?** | **Detailed comments** |
| Lenovo | **Yes (although it’s a Rel-16 CR)** | Minor cover page issues need to be fixed:   * Wrong meeting #109bis. * Meeting dates need to be added. * CR title “Add new release 16 QCIs into CAPC mapping table” is not aligned with the one in Tdoc list. |
| Qualcomm | **Yes** | Agree with comments from Lenovo. |
| Ericsson | **Yes** |  |
| HW | **Yes** | Agree with the commens from Lenovo |

**Conclusion on [R2-2000663](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_109_e/Docs/R2-2000663.zip):** Revisions as proposed by Lenovo to cover page are needed but CR can be agreed otherwise.

**Proposal 1 ([R2-2000663](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_109_e/Docs/R2-2000663.zip)):** Agree to CR with above revisions in R2-2001722.

## 2.2 [R2-2000636](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_109_e/Docs/R2-2000636.zip), “Clarification on default configuration and SRB1 for UP-EDT and RRC\_INACTIVE”, Huawei, HiSilicon

The CR in the title is discussed in this section. Companies are requested to provide comments in the table below (one row for each new comment to better keep track of the discussion – please don’t edit the previous comments.

|  |  |  |
| --- | --- | --- |
| **Company** | **Do you agree with the intent of the CR?** | **Detailed comments** |
| Qualcomm | **ok** |  |
| Ericsson | **OK** | Editorial: There is an extra comma at the very end of the change -> to be removed. |

**Conclusion on [R2-2000636](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_109_e/Docs/R2-2000636.zip):** CR can be agreed with removing extra comma at the end of the change.

**Proposal 2 ([R2-2000636](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_109_e/Docs/R2-2000636.zip)):** Agree to CR with above revisions in R2-2001723.

## 2.3 [R2-2000680](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_109_e/Docs/R2-2000680.zip), “Correction on cellReselectionSubPriority“ Nokia, Nokia Shanghai Bell

The CR in the title is discussed in this section. Companies are requested to provide comments in the table below (one row for each new comment to better keep track of the discussion – please don’t edit the previous comments.

|  |  |  |
| --- | --- | --- |
| **Company** | **Do you agree with the intent of the CR?** | **Detailed comments** |
| Lenovo | **Yes** | Minor issues need to be fixed:   1. Cover page:  * Wrong meeting #109bis. * Meeting dates need to be added. * CR title “NR-SA cell reselection subpriority correction” is not aligned with the one in Tdoc list. * “Interoperability” and “Consequences if not approved”: we don’t think that the change is critical and thus should be no interoperability issues. From ASN.1 it is clear that CellReselectionSubPriority can be configured for NR, so it is just an alignment between ASN.1 and description.  1. Change itself:  * It is not needed to mention NR architecture option, i.e. “NR” is enough. * In this context font style issues can be corrected as well, i.e. change text from Arial 9pt to Times New Roman 10pt. |
| Qualcomm | **Ok** | Agree with Lenovo’s comments |
| Ericsson | **Yes** | Instead of using ‘NR SA’, we can just mention NR as the NR frequencies listed for cell reselection are by definition belongs to the NR SA category when the UE performs measurements. UE might find some NSA cell in that frequency but that frequency is still to be considered as a candidate for camping. Therefore remove ‘SA’. |
| HW | **Yes** | Agree with Lenovo’s comments |

**Conclusion on [R2-2000680](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_109_e/Docs/R2-2000680.zip):** Intent is correct but separate CR is not needed – can be merged to the RRC rapporteur CR.

**Proposal 3 ([R2-2000680](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_109_e/Docs/R2-2000680.zip)):** To be merged to rapporteur CR R2-2002114 with proposed changes

## 2.4 [R2-2000685](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_109_e/Docs/R2-2000685.zip), “Correction on LTE early measurement“ MediaTek Inc., Nokia, Nokia Shanghai Bell, Ericsson

The CR in the title is discussed in this section. Companies are requested to provide comments in the table below (one row for each new comment to better keep track of the discussion – please don’t edit the previous comments.

|  |  |  |
| --- | --- | --- |
| **Company** | **Do you agree with the intent of the CR?** | **Detailed comments** |
| Lenovo | **Yes** | Cover page issues need to be fixed/clarified:   * Meeting date is wrong. * We don’t think that for an LTE CR the “Impacted 5G architecture options: Standalone” is needed. |
| Qualcomm | **Yes** | Agree with Lenovo’s comments.  In reason for change two: following typo can be corrected,  However, it is not stopped while receiving *RRCConnectionSetup* or *RRCConnectionSetup* -> should be *Resume* from INACTIVE mode according to current specification. |
| Ericsson | **Yes** |  |
| Samsung | **Yes** | It would be good to refer to 5.6.20.3 to clarify UE also releases the varialble whenr T331 is stopped e.g. as below  1> stop timer T331 in accordance with 5.6.20.3, if running; |
| HW | **Yes** | Agree with comments from Lenovo and Qualcomm |

**Conclusion on [R2-2000685](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_109_e/Docs/R2-2000685.zip):** Intent is correct but revisions are needed.

**Proposal 4 ([R2-2000685](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_109_e/Docs/R2-2000685.zip)):** Agree to the revised CR according to above comments in R2-2001724 .

## 2.5 [R2-2000761](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_109_e/Docs/R2-2000761.zip), “Corrections to T312 and Discovery Signals measurement“ Lenovo, Motorola Mobility

The CR in the title is discussed in this section. Companies are requested to provide comments in the table below (one row for each new comment to better keep track of the discussion – please don’t edit the previous comments.

|  |  |  |
| --- | --- | --- |
| **Company** | **Do you agree with the intent of the CR?** | **Detailed comments** |
| Qualcomm | **Agree** | Given that the field is BOOLEAN optional, it can be unclear what “is included” or not included means.  Maybe following change should also be made:  “not set to *true*”: -> This should be changed to “set to FALSE”. |
| Ericsson | **Agree** | Qualcomm's comment seems reasonable too. |
| HW | **Yes** | Agree with Qualcomm’s comments and in the CR “set to true” should be “set to TRUE”. |

**Conclusion on [R2-2000761](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_109_e/Docs/R2-2000761.zip):** Intent is correct but revisions are needed

**Proposal 5 ([R2-2000761](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_109_e/Docs/R2-2000761.zip)):** Agree to the revised CR according to above comments in R2-2001725.

## 2.6 [R2-2002056](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_109_e/Docs/R2-2002056.zip), “Correction to full configuration” Google Inc. (late Tdoc)

The CR in the tile is discussed in this section. Companies are requested to provide comments in the table below (one row for each new comment to better keep track of the discussion – please don’t edit the previous comments.

|  |  |  |
| --- | --- | --- |
| **Company** | **Do you agree with the intent of the CR?** | **Detailed comments** |
| Ericsson | **Yes** |  |
|  |  |  |

**Conclusion on [R2-2002056](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_109_e/Docs/R2-2002056.zip):** Intent is correct and no revisions seem needed.

**Proposal 6 ([R2-2002056](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_109_e/Docs/R2-2002056.zip)):** Agree to the CR in [R2-2002056](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_109_e/Docs/R2-2002056.zip).

## 2.7 [R2-2001158](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_109_e/Docs/R2-2001158.zip), “Minor corrections collected by Rapporteur“ Samsung Telecommunications

The CR in the tile is discussed in this section. Companies are requested to provide comments in the table below (one row for each new comment to better keep track of the discussion – please don’t edit the previous comments.

|  |  |  |
| --- | --- | --- |
| **Company** | **Do you agree with the intent of the CR?** | **Detailed comments** |
| Lenovo | **Yes** | 1. Cover page needs to be completed (meeting date is not correct; WI code, Impact analysis and Clauses affected are missing). 2. If possible, further changes can be added, e.g.  * In 5.5.4.1: add missing “s” in numberOfTriggeringCell:   3> If the number of cell(s) in the *cellsTriggeredList* is larger than or equal to *numberOfTriggeringCell****s***:   * Add missing “F” in *MeasResultCellS****F****TD* field descriptions. * Update UplinkPowerControl field descriptions: add missing “S” in *accumulationEnabled****S****TTI*; correct field description of uplinkPower-CSIPayload as shown below since it is of type BOOLEAN and mandatory present.   *TRUE* indicates that~~whether~~ the UE shall derive BPRE based on the actual value of O\_CQI for slot/subslot-PUSCH~~. If not present~~, whereas *FALSE* indicates that the largest value of O\_CQI across all RI values shall be used for the derivation of BPRE for slot/subslot-PUSCH. |
| Qualcomm | **Yes** | Agree with Lenovo’s comments including the new corrections identified. |
| Ericsson | **Yes** | Agree with the comments Lenovo provided above. |
| Samsung | **Yes** | Provided update in accordance with suggestions from Lenova |

**Conclusion on [R2-2001158](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_109_e/Docs/R2-2001158.zip):** Changes seem agreeable with revisions and some additions - see comments above and section 2.2.

**Proposal 7 ([R2-2001158](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_109_e/Docs/R2-2001158.zip)):** Agree to revised CR in R2-2002114

# 3 Conclusions

**Conclusions:**

**Conclusion on [R2-2000663](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_109_e/Docs/R2-2000663.zip):** Revisions as proposed by Lenovo to cover page are needed but CR can be agreed otherwise.

**Conclusion on [R2-2000636](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_109_e/Docs/R2-2000636.zip):** CR can be agreed with removing extra comma at the end of the change.

**Conclusion on [R2-2000680](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_109_e/Docs/R2-2000680.zip):** Intent is correct but separate CR is not needed – can be merged to the RRC rapporteur CR.

**Conclusion on [R2-2000685](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_109_e/Docs/R2-2000685.zip):** Intent is correct but revisions are needed.

**Conclusion on [R2-2000761](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_109_e/Docs/R2-2000761.zip):** Intent is correct but revisions are needed

**Conclusion on [R2-2002056](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_109_e/Docs/R2-2002056.zip):** Intent is correct and no revisions seem needed.

**Conclusion on [R2-2001158](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_109_e/Docs/R2-2001158.zip):** Changes seem agreeable with revisions and some additions - see comments above and section 2.2.

**Proposals on CRs:**

**Proposal 1 ([R2-2000663](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_109_e/Docs/R2-2000663.zip)):** Agree to CR with above revisions in R2-2001722.

**Proposal 2 ([R2-2000636](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_109_e/Docs/R2-2000636.zip)):** Agree to CR with above revisions in R2-2001723.

**Proposal 3 ([R2-2000680](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_109_e/Docs/R2-2000680.zip)):** To be merged to rapporteur CR R2-2002114 with proposed changes

**Proposal 4 ([R2-2000685](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_109_e/Docs/R2-2000685.zip)):** Agree to the revised CR according to above comments in R2-2001724 .

**Proposal 5 ([R2-2000761](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_109_e/Docs/R2-2000761.zip)):** Agree to the revised CR according to above comments in R2-2001725.

**Proposal 6 ([R2-2002056](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_109_e/Docs/R2-2002056.zip)):** Agree to the CR in [R2-2002056](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_109_e/Docs/R2-2002056.zip).

**Proposal 7 ([R2-2001158](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_109_e/Docs/R2-2001158.zip)):** Agree to revised CR in R2-2002114

# 4 List of referenced documents

[1] [R2-2000663](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_109_e/Docs/R2-2000663.zip), “Missing QCI to CAPC mapping” Nokia, Nokia Shanghai Bell CR Rel-16 36.300 16.0.0 1240 4 F LTE\_unlic-Core R2-1913983

[2] [R2-2000636](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_109_e/Docs/R2-2000636.zip), “Clarification on default configuration and SRB1 for UP-EDT and RRC\_INACTIVE” Huawei, HiSilicon CR Rel-15 36.331 15.8.0 4104 4 F LTE\_eMTC4-Core, NB\_IOTenh2-Core, LTE\_5GCN\_connect-Core R2-1916356

[3] [R2-2000680](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_109_e/Docs/R2-2000680.zip), “Correction on cellReselectionSubPriority“ Nokia, Nokia Shanghai Bell CR Rel-15 36.331 15.8.0 4194 - F NR\_newRAT-Core

[4] [R2-2000685](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_109_e/Docs/R2-2000685.zip), “Correction on LTE early measurement“ MediaTek Inc., Nokia, Nokia Shanghai Bell, Ericsson CR Rel-15 36.331 15.8.0 4195 - F LTE\_euCA-Core

[5] [R2-2000761](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_109_e/Docs/R2-2000761.zip), “Corrections to T312 and Discovery Signals measurement“ Lenovo, Motorola Mobility CR Rel-15

[6] [R2-2002056](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_109_e/Docs/R2-2002056.zip), “Correction to full configuration” Google Inc. CR Rel-15 36.331 15.8.0 4151 3 F LTE\_QMC\_Streaming-Core

[7] [R2-2001158](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_109_e/Docs/R2-2001158.zip), “Minor corrections collected by Rapporteur“ Samsung Telecommunications CR Rel-15 36.331 15.8.0 4211 - F TEI15