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][205][LTE16] Agreeing to simple LTE Rel-16 CRs**

**Document for: Report**

# 1 Scope of the offline email discussion

This document contains the summary of the offline email discussion “**[AT109e][205][LTE15] Agreeing to simple LTE Rel-16 CRs (RAN2 VC)**”, as indicated below:

* [AT109e][205][LTE16] Agreeing to simple LTE Rel-16 CRs (RAN2 VC)

Scope:

* + - Agree to CRs in [R2-2000180](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_109_e/Docs/R2-2000180.zip), [R2-2001410](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_109_e/Docs/R2-2001410.zip), [R2-2001408](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_109_e/Docs/R2-2001408.zip), [R2-2001409](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_109_e/Docs/R2-2001409.zip), [R2-2002075](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_109_e/Docs/R2-2002075.zip) and [R2-2002078](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_109_e/Docs/R2-2002078.zip).
    - If issues are found in any CR, they may be moved to discussion **206**.

Intended outcome:

* + - Agreeable CRs (by each CR proponent)
    - Summary of discussions (by email rapporteur).

Deadline for providing comments and for rapporteur 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

# 2 LTE legacy CRs in this offline email discussion

## 2.1 [R2-2000180](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_109_e/Docs/R2-2000180.zip) Introduction of RLOS support indicator and RLOS request indicator Qualcomm Incorporated

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 to the intent of the CR?** | **Detailed comments** |
| Lenovo | **Yes** |  |
| Qualcomm |  | For reference, this was endorsed in R2-1911503 in RAN2#107. |
| Ericsson | **Yes** |  |

**Conclusion on** [**R2-2000180**](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_109_e/Docs/R2-2000180.zip)**:** The CR [R2-2000180](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_109_e/Docs/R2-2000180.zip) seems agreeable (already agreed in principle, no comments to the latest revision anymore).

**Proposal 1 (**[**R2-2000180**](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_109_e/Docs/R2-2000180.zip)**):** Agree to the CR [R2-2000180](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_109_e/Docs/R2-2000180.zip).

## 2.2 [R2-2001408](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_109_e/Docs/R2-2001408.zip) Introduction of wideband PRG size Huawei, HiSilicon and [R2-2001409](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_109_e/Docs/R2-2001409.zip) Introduction of wideband PRG size 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 to the intent of the CR?** | **Detailed comments** |
| Lenovo | **Yes** |  |
| Qualcomm | **ok** |  |
| Ericsson | **Yes** |  |

**Conclusion on** [**R2-2001408**](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_109_e/Docs/R2-2001408.zip) **and** [**R2-2001409**](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_109_e/Docs/R2-2001409.zip)**:** The CRs [R2-2001408](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_109_e/Docs/R2-2001408.zip) and [R2-2001409](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_109_e/Docs/R2-2001409.zip) are agreeable (no comments to the updates, already agreed in principle in RAN2#107bis)

**Proposal 2 (**[**R2-2001408**](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_109_e/Docs/R2-2001408.zip) **and** [**R2-2001409**](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_109_e/Docs/R2-2001409.zip)**):** Agree to the CRs in [R2-2001408](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_109_e/Docs/R2-2001408.zip) and [R2-2001409](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_109_e/Docs/R2-2001409.zip).

## 2.3 [R2-2001410](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_109_e/Docs/R2-2001410.zip) UDC reconfiguration for RRC connection re-establishment case 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 to the intent of the CR?** | **Detailed comments** |
| Lenovo | **Yes** | In the field description of uplinkDataCompression, the part “first RRC reconfiguration message” can be changed to “first *RRCConnectionReconfiguration* message”. |
| Qualcomm | **Ok, see comments** | Agree with Lenovo.  Also, it seems this is update of the following:  R2-1915877 UDC reconfiguration for RRC connection re-establishment case Huawei, HiSilicon CR Rel-16 36.331 15.7.0 4174 - C TEI16  So, wondering why this is submitted as new CR but not as revision. |
| Qualcomm2 |  | Additionally, WI code should be TEI16 (not TEI<space>16). |
| Ericsson | **Yes** |  |

**Conclusion on** [**R2-2001410**](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_109_e/Docs/R2-2001410.zip)**:** Some further revisions are needed (the CR was already agreed in principle earlier), otherwise the CR can be agreed.

**Proposal 3 (**[**R2-2001410**](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_109_e/Docs/R2-2001410.zip)**):** With the required changes, the CR can be agreed in [R2-2001737](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_109_e/Docs/R2-2001737.zip).

## 2.4 [R2-2002075](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_109_e/Docs/R2-2002075.zip) Correction on non-3GPP paging 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 to the intent of the CR?** | **Detailed comments** |
| Lenovo | **Yes** | Double brackets should be added for new field accessType-r16 in IE PagingRecord:  PagingRecord ::= SEQUENCE {  ue-Identity PagingUE-Identity,  cn-Domain ENUMERATED {ps, cs},  ...,  [[ accessType-r16 ENUMERATED {non3GPP} OPTIONAL -- Need ON  ]]  } |
| Qualcomm | **Yes** | Agree with Lenovo’s comment. In addition, since revision is needed anyway, we could do the following minor update in field description.   * New sentence should be in same paragraph as exsiting sentence. * Add “(i.e., without suffix)” after accessType.   ***accessType***  It indicates whether Paging is originated due to the PDU sessions from the non-3GPP access when E-UTRA is connected to 5GC. E-UTRAN does not include both *accessType* (i.e., without suffix) and *accessType-r16* in a single paging message. |
| Ericsson | **Yes** |  |
| Samsung | **Yes** | Agree with Lenovo/ Qualcomm’s comments. |

**Conclusion on** [**R2-2002075**](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_109_e/Docs/R2-2002075.zip): Some further revisions are needed (the CR was already agreed in principle earlier), otherwise the CR can be agreed

**Proposal 4 (**[**R2-2002075**](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_109_e/Docs/R2-2002075.zip)**):** With the required changes, the CR can be agreed in [R2-2001738](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_109_e/Docs/R2-2001738.zip).

## 2.5 [R2-2002078](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_109_e/Docs/R2-2002078.zip) Correction on H1 and H2 events Samsung Electronics CR

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 to the intent of the CR?** | **Detailed comments** |
| Lenovo | **Yes** |  |
| Qualcomm | **Ok** |  |
| Ericsson | **Yes** |  |
| Samsung | **Yes** |  |

**Conclusion on** [**R2-2002078**](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_109_e/Docs/R2-2002078.zip)**:** The CR [R2-2002078](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_109_e/Docs/R2-2002078.zip)can be agreed without modifications.

**Proposal 5 (**[**R2-2002078**](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_109_e/Docs/R2-2002078.zip)**):** The CR in [R2-2002078](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_109_e/Docs/R2-2002078.zip) is agreed.

# 3 Conclusions

**Conclusions:**

**Conclusion on** [**R2-2000180**](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_109_e/Docs/R2-2000180.zip)**:** The CR [R2-2000180](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_109_e/Docs/R2-2000180.zip) seems agreeable (already agreed in principle, no comments to the latest revision anymore).

**Conclusion on** [**R2-2001408**](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_109_e/Docs/R2-2001408.zip) **and** [**R2-2001409**](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_109_e/Docs/R2-2001409.zip)**:** The CRs [R2-2001408](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_109_e/Docs/R2-2001408.zip) and [R2-2001409](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_109_e/Docs/R2-2001409.zip) are agreeable (no comments to the updates, already agreed in principle in RAN2#107bis)

**Conclusion on** [**R2-2001410**](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_109_e/Docs/R2-2001410.zip)**:** Some further revisions are needed (the CR was already agreed in principle earlier), otherwise the CR can be agreed.

**Conclusion on** [**R2-2002075**](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_109_e/Docs/R2-2002075.zip): Some further revisions are needed (the CR was already agreed in principle earlier), otherwise the CR can be agreed

**Conclusion on** [**R2-2002078**](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_109_e/Docs/R2-2002078.zip)**:** The CR [R2-2002078](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_109_e/Docs/R2-2002078.zip)can be agreed without modifications.

**Proposals on the CRs:**

**Proposal 1 (**[**R2-2000180**](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_109_e/Docs/R2-2000180.zip)**):** Agree to the CR [R2-2000180](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_109_e/Docs/R2-2000180.zip).

**Proposal 2 (**[**R2-2001408**](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_109_e/Docs/R2-2001408.zip) **and** [**R2-2001409**](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_109_e/Docs/R2-2001409.zip)**):** Agree to the CRs in [R2-2001408](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_109_e/Docs/R2-2001408.zip) and [R2-2001409](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_109_e/Docs/R2-2001409.zip).

**Proposal 3 (**[**R2-2001410**](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_109_e/Docs/R2-2001410.zip)**):** With the required changes, the CR can be agreed in [R2-2001737](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_109_e/Docs/R2-2001737.zip).

**Proposal 4 (**[**R2-2002075**](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_109_e/Docs/R2-2002075.zip)**):** With the required changes, the CR can be agreed in [R2-2001738](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_109_e/Docs/R2-2001738.zip).

**Proposal 5 (**[**R2-2002078**](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_109_e/Docs/R2-2002078.zip)**):** The CR in [R2-2002078](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_109_e/Docs/R2-2002078.zip) is agreed.

# 4 List of referenced documents

[1] [R2-2000180](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_109_e/Docs/R2-2000180.zip) Introduction of RLOS support indicator and RLOS request indicator Qualcomm Incorporated CR Rel-16 36.331 15.8.0 4049 2 B PARLOS R2-1911503

[2] [R2-2001408](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_109_e/Docs/R2-2001408.zip) Introduction of wideband PRG size Huawei, HiSilicon CR Rel-16 36.306 15.7.0 1741 - B TEI16

[3] [R2-2001409](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_109_e/Docs/R2-2001409.zip) Introduction of wideband PRG size Huawei, HiSilicon CR Rel-16 36.331 15.8.0 4220 - B TEI16

[4] [R2-2001410](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_109_e/Docs/R2-2001410.zip) UDC reconfiguration for RRC connection re-establishment case Huawei, HiSilicon CR Rel-16 36.331 15.8.0 4221 - C TEI16

[5] [R2-2002075](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_109_e/Docs/R2-2002075.zip) Correction on non-3GPP paging Huawei, HiSilicon CR Rel-16 36.331 15.8.0 4172 2 C LTE\_5GCN\_connect-Core, TEI16 R2-1916316 Late

[6] [R2-2002078](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_109_e/Docs/R2-2002078.zip) Correction on H1 and H2 events Samsung Electronics CR Rel-16 36.331 15.8.0 4103 2 C LTE\_Aerial-Core, TEI16 R2-1913989 Late