3GPP TSG-RAN WG2 Meeting #113-e R2-210xxxx

**Online, January 25th – February 5th 2021**

**Agenda item: 4.5, 7.5**

**Source: Samsung**

**Title: Summary of [203][LTE] LTE RRC editorial corrections (Samsung)**

**Document for: Discussion and Decision**

# 1 Brief scope of the contributions

This document contains the summary of documents from agenda item 4.5 and 7.5 (“Other LTE corrections Rel-15 and earlier” and “LTE Other WIs”) as per below excerpt from the session chair minutes:

* [AT113-e][203][LTE] LTE RRC editorial corrections (Samsung)

Scope:

* + - Discuss the CRs under AI 4.5, 7.1.X and 7.5 marked for this email discussion. intent is to merge all CRs into one rapporteur CR.

Intended outcome:

* + - Agreeable CRs for 36.331 (if any) by specification rapporteurs

Deadline for providing comments and for rapporteur inputs:

* + - Initial deadline (for companies' feedback): 1st week Fri, UTC 0900
    - Deadline for CR finalization: 2nd week Thu, UTC 1000

By Email [203] (2+2)

Rapporteur CRs for semi-editorial corrections:

[R2-2100436](file:///D:\06.%203GPP%20meeting\RAN2%20meeting\38.%20RAN2_113-e\Docs\R2-2100436.zip) Minor changes collected by Rapporteur for Rel-15 Samsung CR Rel-15 36.331 15.12.0 4548 - F NR\_newRAT-Core

[R2-2100437](file:///D:\06.%203GPP%20meeting\RAN2%20meeting\38.%20RAN2_113-e\Docs\R2-2100437.zip) Minor changes collected by Rapporteur for Rel-16 Samsung CR Rel-16 36.331 16.3.0 4549 - F NR\_newRAT-Core

*(moved from 7.5, shadow CR)*

UAV CRs (declared editorial in cover page):

[R2-2100996](file:///C:\Users\seungri.jin\AppData\Local\Microsoft\Windows\INetCache\Docs\R2-2100996.zip) Miscellaneous corrections on Aerial functionality Samsung CR Rel-15 36.331 15.12.0 4559 - F LTE\_Aerial-Core

[R2-2100997](file:///C:\Users\seungri.jin\AppData\Local\Microsoft\Windows\INetCache\Docs\R2-2100997.zip) Miscellaneous corrections on Aerial functionality Samsung CR Rel-16 36.331 16.3.0 4560 - A LTE\_Aerial-Core

# 2 Company comments to the contributions

## 2.1 [R2-2100436](file:///C:\Users\seungri.jin\AppData\Local\Microsoft\Windows\INetCache\Docs\R2-2100436.zip): Minor changes collected by Rapporteur for Rel-15 (Samsung) and [R2-2100437](file:///C:\Users\seungri.jin\AppData\Local\Microsoft\Windows\INetCache\Docs\R2-2100437.zip): Minor changes collected by Rapporteur for Rel-16 (Samsung)

This section deals with DISC\_S1:

***DISC S1:*** *Discuss if the CRs* R2-2100436 *and* R2-2100437 *are agreeable.*

For each of the CRs, comments are requested along with whether the intent is agreeable.

|  |  |  |
| --- | --- | --- |
| **Company** | **Agree? (Yes/No)** | **Comments to the CR** |
| Lenovo | Yes | Further issues which can be fixed in R15/16:   * in 5.2.3 and 5.2.3a change “pos-schedulingInfoList” -> posSchedulingInfoList |
| Huawei, HiSilicon | Yes |  |
| Samsung | Yes |  |
| Ericsson | Yes |  |
| Nokia | Yes |  |
| Qualcomm | Yes | Additional CRs, if found needed, from offline [202] may need to be merged here.  **Additional editorial corrections:**  *UEInformationResponse* field descriptions:  ***previousPCellId***  *RRC-Connection-Reconfiguration 🡪 RRC<<nohyphen>>Connection<<nohyphen>>Reconfiguration*  **Section 5.10.6:**  … conditions for PS -related sidelink discovery … 🡪 conditions for PS<<nospace>>-related sidelink discovery  *NPRACH-ConfigSIB-NB* field descriptions:  ***npdcch-Offset -RA 🡪 npdcch-Offset<<nospace>>-RA***  ***In A.5***  UE to RRC-Idle should 🡪 UE to RRC\_IDLE should |

**Table 1. Comments to the Rel-15 CR R2-2100436**

|  |  |  |
| --- | --- | --- |
| **Company** | **Agree? (Yes/No)** | **Comments to the CR** |
| Lenovo | Yes | Further issues which can be fixed in R16:   * Same issues as for R15 see above. * 5.3.3.4a (Reception of the RRCConnectionResume by the UE): in ASN.1 the suffix of measResultListIdle is “-r16”, so suffix needs to be corrected in the condition below.   5> set the *measResultListIdle-r15* in the *RRCConnectionResumeComplete* message to the value of *measReportIdle-r15* in the *VarMeasIdleReport*;   * In RRCConnectionRelease-v1610-IEs the suffix “-r16” is missing for field releaseIdleMeasConfig, |
| Huawei, HiSilicon | yes | The rel-16 CR is identical to the Rel-15 CR. We assume a separate cat F CR is motivated by the expectation of further (REL-16 specific) changes. |
| Samsung | Yes | We confirm the comments from Huawei that the intention of cat F is the expectation of further changes. |
| Ericsson | Yes |  |
| Nokia | Yes |  |
| Qualcomm | Yes | Additional CRs, if found needed, from offline [202] may need to be merged here.  Also, the editorials in Table 1 maybe applicable here. |

**Table 2. Comments to the Rel-16 CR R2-2100437**

**Conclusions (DISC\_S1): TBA**

## 2.2 [R2-2100996](file:///D:\06.%203GPP%20meeting\RAN2%20meeting\38.%20RAN2_113-e\Docs\R2-2100996.zip), [R2-2100997](file:///D:\06.%203GPP%20meeting\RAN2%20meeting\38.%20RAN2_113-e\Docs\R2-2100997.zip): Miscellaneous corrections on Aerial functionality (Samsung)

This section deals with DISC\_S2:

***DISC S2:*** *Discuss if the CRs* R2-2100996 *and* R2-2100997 *are agreeable.*

For each of the CRs, comments are requested along with whether the intent is agreeable and changes can be merged into the Rapporteur CRs.

|  |  |  |
| --- | --- | --- |
| **Company** | **Agree? (Yes/No)** | **Comments to the CR** |
| Lenovo | Yes |  |
| Huawei, HiSilicon | No | There is a reason for current wording in spec, it means when more cells are included in the cellsTriggeredList, no more measurement reporting are triggered. If we go with this CR, it changes the function, i.e. after “the number of cell(s) in the cellsTriggeredList is larger than or equal to numberOfTriggeringCells”, every time when a new cell is added into the cellsTriggeredList, UE has to initiate the measurement reporting one more time. This is not the intention to introduce this numberOfTriggeringCells. |
| Samsung | Yes | Just to clarify the intention:  1. Our intention is to not change the function at all, as clearly written in the coversheet.  2. The current procedure does not make sense anyway: yellow and red are identical, and red one is under green, so red one cannot be executed in any case (i.e. measurement report would not be initiated at all).   |  | | --- | | 3> If the number of cell(s) in the *cellsTriggeredList* is larger than or equal to *numberOfTriggeringCells*:  4> include the concerned cell(s) in the *cellsTriggeredList* defined within the *VarMeasReportList* for this *measId*;  3> else:  4> include the concerned cell(s) in the *cellsTriggeredList* defined within the *VarMeasReportList* for this *measId*;  4> If the number of cell(s) in the *cellsTriggeredList* is larger than or equal to *numberOfTriggeringCells*:  5> set the *numberOfReportsSent* defined within the *VarMeasReportList* for this *measId* to 0;  5> initiate the measurement reporting procedure, as specified in 5.5.5; | |
| Ericsson | No | Agree with Huawei that the CR would change the intended behaviour as explained above. |
| Nokia | No, but | In our view the editorial changes are agreeable and can be merged to the rapporteur CR. |
| Qualcomm | Leaning no | The CR does change UE behaviour. Agree with Huawei. (Note that R2-1817424 previously made some changes in that section but the current text was left as it is.)  Before change: suppose triggered cells were n-1 and with the include the concerned cells…" (after green “else” above) makes it "larger than or equal to numberofTriggeringCells", then only the lower level 5> would be triggered to “initiate the measurement reporting procedure”. But if the number of cells is already >= n, then yellow if would be triggered.  With the CR: that is completely changed.  But if proponents are willing to explain what is erroneous, we are open to hear further comments. And in such case if it is deemed necessary, it could be merged to Rapp CR (R2-2100436). |

**Table 3. Comments to the Rel-15 CR R2-2100996**

|  |  |  |
| --- | --- | --- |
| **Company** | **Agree? (Yes/No)** | **Comments to the CR** |
| Lenovo | Yes |  |
| Huawei, HiSilicon | No | See comments above |
| Samsung | Yes |  |
| Ericsson | No | Please see the comment above. |
| Nokia | No, but | Same comments as above |
| Qualcomm | No | See comments above |

**Table 4. Comments to the Rel-16 CR R2-2100997**

**Conclusions (DISC\_S2): TBA**

# 4 Conclusions

***DISC S1:*** *Discuss if the CRs* R2-2100436 *and* R2-2100437 *are agreeable.*

***DISC S2:*** *Discuss if the CRs* R2-2100996 *and* R2-2100997 *are agreeable.*