3GPP TSG-RAN WG2 Meeting #109bis-e draft R2-2003917

Online, 20 – 30 April 2020

**Agenda item: 4.2**

**Source: Huawei (offline email discussion rapporteur)**

**Title: Report [AT109bis-e][402][eMTC] Adding Reception Type for uplink HARQ ACK feedback for Rel-15 eMTC (Huawei)**

**Document for: Report**

# 1 Scope of the offline email discussion

This document contains the summary of the offline email discussion ”[AT109bis-e][402][eMTC] Adding Reception Type for uplink HARQ ACK feedback for Rel-15 eMTC (Huawei)”, as indicated below:

* [AT109bis-e][402][eMTC] Adding Reception Type for uplink HARQ ACK feedback for Rel-15 eMTC (Huawei)

Scope: Check if there is support and update based on the comments if the CR is agreeable

 Intended outcome: Report from the discussion and, if agreeable, in-principle agreed CR. The report can be provided in R2-2003917

 Deadline: Monday, Apr. 27th 10:00 UTC

# 2 Offline email discussion

[R2-2003342](http://ftp.3gpp.org/tsg_ran/WG2_RL2/TSGR2_109bis-e/Docs/R2-2003342.zip) Adding Reception Type for uplink HARQ ACK feedback for Rel-15 eMTC Huawei, HiSilicon CR Rel-15 36.302 15.2.0 1208 - F LTE\_eMTC4-Core

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 with the intention** | We prefer to add a note to Reception Type I instead of adding new Reception Type as shown below.

|  |  |  |  |
| --- | --- | --- | --- |
| I | MPDCCH (note y) | Temporary C-RNTI (Note 6) | UL-SCH |
| C-RNTI and Semi-Persistent Scheduling C-RNTI | UL-SCH |

Note y:      When MPDCCH is used to convey uplink HARQ ACK feedback, there is no associated transport channel. |
| Sequans | **Yes** | We prefer adding the new reception type as we think this is more consistent with the rest of the table.However, we think B1 should also be added to “2.2 UEs supporting FS2" in table 8.2-2a |
| ZTE | **Yes** | For QC’s suggestion, we want to clarify whether Reception Type “J” also needs such Note y? We think it may be yes. We don’t prefer this way.We agree with Sequans, e.g., prefer adding a new reception type B1 and think B1 should be added to 2.2 part in Downlink "Reception Type" Combinations table. |
| Ericsson | **Yes** | We have slight preference to Sequans view.B1 and the remarks need to be added to “2.2 UEs supporting FS2", agree with Sequans on this.  |
| Lenovo | **Yes** | We prefer the view from Sequans, a new reception type is added here, it looks more consistent to the table. |

Conclusion: 6/6 companies (including proponent) agree a correction is needed. All but one company prefers to add a new reception type B1 and add an additional change to “2.2 UEs supporting FS2"

**Proposal: Agree a revised version of the CR in [1] with the additional change to “2.2 UEs supporting FS2"**

# 3 Conclusions

Conclusion: 6/6 companies (including proponent) agree a correction is needed. All but one company prefers to add a new reception type B1 and add an additional change to “2.2 UEs supporting FS2"

**Proposal: Agree a revised version of the CR in [1] with the additional change to “2.2 UEs supporting FS2"**

# 4 List of referenced documents

[1] [R2-2003342](http://ftp.3gpp.org/tsg_ran/WG2_RL2/TSGR2_109bis-e/Docs/R2-2003342.zip) Adding Reception Type for uplink HARQ ACK feedback for Rel-15 eMTC Huawei, HiSilicon CR Rel-15 36.302 15.2.0 1208 - F LTE\_eMTC4-Core