3GPP TSG-RAN WG2 Meeting #113-e draftR2-2101953

Electronic meeting, Jan 25th – Feb 5th, 2021

Agenda Item: 10.3

Source: Session Chair (Ericsson)

Title: draftReport eMTC breakout session

Document for: Approval

**General**

Recording of voice or video at meetings is not used in 3GPP. This applies also to this e-Meeting. At this e-Meeting, no specific actions are taken to prevent the recording of web conferences. Companies that have concerns related to recordings, if any, may express those by email in the main meeting organizational thread [AT113-e][000]

Please see the following Tdocs for e-meeting guidance:

[R2-2100000](http://ftp.3gpp.org/tsg_ran/WG2_RL2/TSGR2_113-e/Docs/R2-2100000.zip) Agenda for RAN2#113-e Chairman agenda

[R2-2100351](http://ftp.3gpp.org/tsg_ran/WG2_RL2/TSGR2_113-e/Docs/R2-2100351.zip) 3GPP TSG RAN WG2 Handbook (01/2021) ETSI MCC discussion

[R2-2100352](http://ftp.3gpp.org/tsg_ran/WG2_RL2/TSGR2_113-e/Docs/R2-2100352.zip) RAN2#113-e Meeting Guidelines ETSI MCC discussion

**Time Schedule**Please refer to the latest schedule in the RAN2 inbox on the public 3GPP servers.

**Access Tools**

*HTTP Upload Tool:*

ETSI IT has created a facility in Inbox and Inbox/Drafts folders on the public 3GPP servers to allow delegates to upload their documents using a web browser (however Internet Explorer is not yet supported). Open your browser and navigate to your chosen folder – for example,

<https://www.3gpp.org/ftp/tsg_ran/WG2_RL2/TSGR2_113-e/Inbox>

Click the green button to log in using your EOL account. A panel will appear in the upper part of the screen and documents may be dragged and dropped onto this landing pad; this causes them to be uploaded to the folder.

*Secure FTP:*

Those e-delegates who prefer to use FTP-like access to our e-meeting Inbox & Draft folders but are concerned by their usernames and passwords being sent unencrypted over the internet, ETSI IT has fitted the server with FTPS (SSL) so delegates can connect from their favourite FTP client using the address: ftps.3gpp.org. Please enter your username and password when prompted.

**Organizational**

* Incoming LSs are noted by default. Contact companies should flag LSs that need to be replied from this meeting.
* Legacy topics will be treated by email only unless indicated explicitly. Please see the list of offline email discussions below.
* Rel-16 (draft) CRs and text proposals will be handled as part of the email discussion on the corresponding CR(s) or the ASN.1 review email discussion if associated with a RIL#.
* All organizational emails and notes will be shared over the following email discussion throughout both meeting weeks:
* [AT113-e][400][eMTC/NB-IoT] Organizational Emre’s session

 Scope:

* Share plans for the e-meeting and make announcements
* Share status of email discussions
* Share meeting minutes and agreements for review and endorsement

 Deadline: Friday, February 5th 11:00 UTC

 Status: Started

**List and Status of Offline Email Discussions**

NOTE: The official kick off date for these email discussions are Monday January 25th at 7:00 UTC. The rapporteurs can share them on the reflector earlier, however companies are not required to participate before the official kick off date. The deadlines refer to the deadline for providing company comments unless stated otherwise.

* [AT113-e][401][eMTC R15] Applicability of CRS muting configuration (Huawei)

Status: Started

      **Scope:**

Week 1: Check whether the intention is agreeable and there is sufficient support in principle; collect initial comments.

 Week 2: Agreeable CRs, if there is sufficient support

      **Intended outcome:**

Week 1: Report in R2-2102061

 Week 2: Agreeable 36.331 CRs in R2-210XXXX and R2-210XXXX (to be announced later)

      **Deadline:** Thursday 2021-01-28 11:00 UTC

* [AT113-e][402][eMTC R16] System information change notification in RRC\_INACTIVE (ZTE)

Status: Started

      **Scope:**

Week 1: Check whether the intention is agreeable and there is sufficient support in principle; collect initial comments.

Week 2: Agreeable CR, if there is sufficient support

      **Intended outcome:**

Week 1: Report in R2-2102062

Week 2: Agreeable 36.331 CR in R2-210XXXX (to be announced later)

      **Deadline:** Thursday 2021-01-28 11:00 UTC

* [AT113-e][403][eMTC/NB-IoT R16] UAC parameters acquisition (Huawei)

Status: Started

      **Scope:**

Week 1: Check whether the intention is agreeable and there is sufficient support in principle; collect initial comments.

Week 2: Agreeable CR, if there is sufficient support

      **Intended outcome:**

Week 1: Report in R2-2102063

Week 2: Agreeable 36.331 CR in R2-210XXXX (to be announced later)

      **Deadline:** Thursday 2021-01-28 11:00 UTC

* [AT113-e][404][eMTC R16] PDCCH-based HARQ-ACK for multi-TB scheduling (Qualcomm)

Status: Started

      **Scope:**

Week 1: Check whether the intention is agreeable and there is sufficient support in principle; collect initial comments.

Week 2: Agreeable CR, if there is sufficient support

      **Intended outcome:**

Week 1: Report in R2-2102064

Week 2: Agreeable 36.321 CR in R2-210XXXX (to be announced later)

      **Deadline:** Thursday 2021-01-28 11:00 UTC

* [AT113-e][405][eMTC R16]  SIB29 acquisition (Huawei)

Status: Started

      **Scope:**

Week 1: Check whether the intention is agreeable and there is sufficient support in principle; collect initial comments.

Week 2: Agreeable CR, if there is sufficient support

      **Intended outcome:**

Week 1: Report in R2-2102065

Week 2: Agreeable 36.331 CR in R2-210XXXX (to be announced later)

      **Deadline:** Thursday 2021-01-28 11:00 UTC

**4 EUTRA corrections Rel-15 and earlier**

*See Appendix A for reference to Work items, work item codes and WIDs.*

*Only essential corrections. No documents should be submitted to 4. Please submit to 4.x*

**4.2 eMTC corrections Rel-15 and earlier**

*Documents in this agenda item will be handled in a break out session. Common NB-IoT/eMTC parts treated jointly with 4.1. No web conference is planned for this agenda item.*

[R2-2101041](http://ftp.3gpp.org/tsg_ran/WG2_RL2/TSGR2_113-e/Docs/R2-2101041.zip) Correction to the applicability of CRS muting configuration Huawei, HiSilicon CR Rel-15 36.331 15.12.0 4565 - F LTE\_eMTC4-Core

[R2-2101042](http://ftp.3gpp.org/tsg_ran/WG2_RL2/TSGR2_113-e/Docs/R2-2101042.zip) Correction to the applicability of CRS muting configuration Huawei, HiSilicon CR Rel-16 36.331 16.3.0 4566 - A LTE\_eMTC4-Core

* [AT113-e][401][eMTC R15] Applicability of CRS muting configuration (Huawei)

Status: Started

      **Scope:**

Week 1: Check whether the intention is agreeable and there is sufficient support in principle; collect initial comments.

 Week 2: Agreeable CRs, if there is sufficient support

      **Intended outcome:**

Week 1: Report in R2-2102061

 Week 2: Agreeable 36.331 CRs in R2-210XXXX and R2-210XXXX (to be announced later)

      **Deadline:** Thursday 2021-01-28 11:00 UTC

[R2-2102061](http://ftp.3gpp.org/tsg_ran/WG2_RL2/TSGR2_113-e/Docs/R2-2102061.zip) Offline 401 – Applicability of CRS muting configuration Huawei, HiSilicon discussion Rel-15 LTE\_eMTC4-Core

**7 Rel-16 EUTRA Work Items**

*Essential corrections*

**7.2 Additional MTC enhancements for LTE**

*(LTE\_eMTC5-Core; LTE\_eMTC5-Core; leading WG: RAN1; REL-16; started: Jun 18; Completed: June 20; WID: RP192875;)*

*Documents in this agenda item will be handled in a break out session.*

*Some sub-items in 7.2 and 7.3 may be treated jointly.*

7.2.1 General and Stage-2 corrections

*Including incoming LSs*

[R2-2100072](http://ftp.3gpp.org/tsg_ran/WG2_RL2/TSGR2_113-e/Docs/R2-2100072.zip) Reply LS on early UE capability retrieval for eMTC (S2-2009345; contact: Qualcomm) SA2 LS in Rel-17 TEI16, TEI17, 5G\_CIoT To:RAN2 Cc:RAN, RAN3, CT1

* Noted

7.2.2 Connection to 5GC corrections

*Connection to 5GC for MTC and NB-IoT is treated jointly under this AI.*

[R2-2100932](http://ftp.3gpp.org/tsg_ran/WG2_RL2/TSGR2_113-e/Docs/R2-2100932.zip) Discussion for clarification on SIB acquisition for UE in RRC\_INACTIVE ZTE Corporation, Sanechips discussion Rel-16 LTE\_eMTC5-Core

[R2-2100936](http://ftp.3gpp.org/tsg_ran/WG2_RL2/TSGR2_113-e/Docs/R2-2100936.zip) Clarification on SIB acquisition for UE in RRC\_INACTIVE ZTE Corporation, Sanechips CR Rel-16 36.331 16.3.0 4555 - F LTE\_eMTC5-Core

[R2-2101038](http://ftp.3gpp.org/tsg_ran/WG2_RL2/TSGR2_113-e/Docs/R2-2101038.zip) System information change notification in RRC\_INACTIVE Huawei, HiSilicon discussion Rel-16 LTE\_eMTC5-Core

[R2-2101155](http://ftp.3gpp.org/tsg_ran/WG2_RL2/TSGR2_113-e/Docs/R2-2101155.zip) SIB acquisition by eMTC UE in RRC-INACTIVE Qualcomm Incorporated discussion Rel-16 LTE\_eMTC5-Core

[R2-2101467](http://ftp.3gpp.org/tsg_ran/WG2_RL2/TSGR2_113-e/Docs/R2-2101467.zip) Clarification of SI acquisition for UEs configured with eDRX in RRC\_INACTIVE Ericsson LM CR Rel-16 36.331 16.3.0 4578 - F LTE\_eMTC5-Core

* [AT113-e][402][eMTC R16] System information change notification in RRC\_INACTIVE (ZTE)

Status: Started

      **Scope:**

Week 1: Check whether the intention is agreeable and there is sufficient support in principle; collect initial comments.

Week 2: Agreeable CR, if there is sufficient support

      **Intended outcome:**

Week 1: Report in R2-2102062

Week 2: Agreeable 36.331 CR in R2-210XXXX (to be announced later)

      **Deadline:** Thursday 2021-01-28 11:00 UTC

[R2-2102062](http://ftp.3gpp.org/tsg_ran/WG2_RL2/TSGR2_113-e/Docs/R2-2102062.zip) Report of [AT113-e][402][eMTC R16] SIB change notification in RRC\_INACTIVE ZTE Corporation, Sanechips discussion Rel-16 LTE\_eMTC5-Core

[R2-2101039](http://ftp.3gpp.org/tsg_ran/WG2_RL2/TSGR2_113-e/Docs/R2-2101039.zip) Correction to UAC parameters acquisition Huawei, HiSilicon CR Rel-16 36.331 16.3.0 4563 - F LTE\_eMTC5-Core, NB\_IOTenh3-Core

* [AT113-e][403][eMTC/NB-IoT R16] UAC parameters acquisition (Huawei)

Status: Started

      **Scope:**

Week 1: Check whether the intention is agreeable and there is sufficient support in principle; collect initial comments.

Week 2: Agreeable CR, if there is sufficient support

      **Intended outcome:**

Week 1: Report in R2-2102063

Week 2: Agreeable 36.331 CR in R2-210XXXX (to be announced later)

      **Deadline:** Thursday 2021-01-28 11:00 UTC

[R2-2102063](http://ftp.3gpp.org/tsg_ran/WG2_RL2/TSGR2_113-e/Docs/R2-2102063.zip) Summary of Offline 403 – UAC parameters acquisition Huawei, HiSilicon discussion Rel-16 LTE\_eMTC5-Core, NB\_IOTenh3-Core

7.2.3 Other corrections

*Including corrections related to Mobile-terminated early data transmission (MT-EDT), Scheduling multiple DL/UL transport blocks, Quality report in Msg3, MPDCCH performance improvement using CRS, Improvements for non-BL UEs, Stand-alone deployment, Mobility enhancements, coexistence with NR and MTC specific topics. Corrections related to mobile-terminated early data transmission, scheduling multiple DL/UL transport blocks and coexistence with NR are treated jointly for MTC and NB-IoT under this AI.*

[R2-2100735](http://ftp.3gpp.org/tsg_ran/WG2_RL2/TSGR2_113-e/Docs/R2-2100735.zip) PDCCH-based HARQ-ACK for a specific HARQ process with multi-TB scheduling Qualcomm Incorporated CR Rel-16 36.321 16.3.0 1517 - F LTE\_eMTC5-Core

* [AT113-e][404][eMTC R16] PDCCH-based HARQ-ACK for multi-TB scheduling (Qualcomm)

Status: Started

      **Scope:**

Week 1: Check whether the intention is agreeable and there is sufficient support in principle; collect initial comments.

Week 2: Agreeable CR, if there is sufficient support

      **Intended outcome:**

Week 1: Report in R2-2102064

Week 2: Agreeable 36.321 CR in R2-210XXXX (to be announced later)

      **Deadline:** Thursday 2021-01-28 11:00 UTC

[R2-2102064](http://ftp.3gpp.org/tsg_ran/WG2_RL2/TSGR2_113-e/Docs/R2-2102064.zip) [AT113-e][404][eMTC R16] PDCCH-based HARQ-ACK for multi-TB scheduling Qualcomm Incorporated discussion Rel-16 LTE\_eMTC5-Core

[R2-2101040](http://ftp.3gpp.org/tsg_ran/WG2_RL2/TSGR2_113-e/Docs/R2-2101040.zip) Correction to SIB29 acquisition Huawei, HiSilicon CR Rel-16 36.331 16.3.0 4564 - F LTE\_eMTC5-Core

* [AT113-e][405][eMTC R16]  SIB29 acquisition (Huawei)

Status: Started

      **Scope:**

Week 1: Check whether the intention is agreeable and there is sufficient support in principle; collect initial comments.

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      **Intended outcome:**

Week 1: Report in R2-2102065

Week 2: Agreeable 36.331 CR in R2-210XXXX (to be announced later)

      **Deadline:** Thursday 2021-01-28 11:00 UTC

[R2-2102065](http://ftp.3gpp.org/tsg_ran/WG2_RL2/TSGR2_113-e/Docs/R2-2102065.zip) Summary of offline 405 – SIB29 acquisition Huawei, HiSilicon discussion Rel-16 LTE\_eMTC5-Core