3GPP TSG-RAN WG2 Meeting #116-e draftR2- 2111293

Electronic meeting, Nov 1st - 12th, 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 [AT116-e][000]

Please see the following Tdocs for e-meeting guidance:

[R2-2109300](http://ftp.3gpp.org/tsg_ran/WG2_RL2/TSGR2_116-e/Docs/R2-2109300.zip) Agenda for RAN2#116-e Chairman agenda

[R2-2106469](http://ftp.3gpp.org/tsg_ran/WG2_RL2/TSGR2_114-e/Docs/R2-2106469.zip) 3GPP TSG RAN WG2 Handbook (05/2021) Chairman 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_116-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.
* All organizational emails and notes will be shared over the following email discussion throughout both meeting weeks:
* [AT116-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, Nov 12th 10:00 UTC

 Status: Started

**List and Status of Offline Email Discussions**

NOTE: The official kick off date for these email discussions are Monday Nov 1st 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.

* [AT116-e][401][eMTC R15] Scheduling restrictions of positioning SI messages (Lenovo)

Status: Closed

      **Scope:** Check whether the intention is agreeable and there is sufficient support
in principle; collect initial comments regarding the wording etc.

      **Intended outcome:** Report in R2-2111406

      **Deadline:** Wednesday 2021-11-03 12:00 UTC

* [AT116-e][402][eMTC R16] RSS based RSRQ measurements (Huawei)

Status: Closed

      **Scope:** To finalize the CRs based on the related online discussion

      **Intended outcome:** Agreeable 36.304, 36.331 and 36.306 in R2-2111410, R2-2111411, and R2-2111412

      **Deadline:** Tuesday 2021-11-09 07:00 UTC

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

*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.*

[R2-2109514](http://ftp.3gpp.org/tsg_ran/WG2_RL2/TSGR2_116-e/Docs/R2-2109514.zip) Summary of discussion on missing scheduling restrictions of positioning SI messages for eMTC Lenovo, Motorola Mobility discussion Rel-15 LCS\_LTE\_acc\_enh-Core

[R2-2109515](http://ftp.3gpp.org/tsg_ran/WG2_RL2/TSGR2_116-e/Docs/R2-2109515.zip) Addition of scheduling restrictions of positioning SI messages for eMTC Lenovo, Motorola Mobility CR Rel-15 36.331 15.15.0 4691 - F LCS\_LTE\_acc\_enh-Core [R2-2107261](http://ftp.3gpp.org/tsg_ran/WG2_RL2/TSGR2_116-e/Docs/R2-2107261.zip)

[R2-2109516](http://ftp.3gpp.org/tsg_ran/WG2_RL2/TSGR2_116-e/Docs/R2-2109516.zip) Addition of scheduling restrictions of positioning SI messages for eMTC Lenovo, Motorola Mobility CR Rel-16 36.331 16.6.0 4692 - A LCS\_LTE\_acc\_enh-Core [R2-2107262](http://ftp.3gpp.org/tsg_ran/WG2_RL2/TSGR2_116-e/Docs/R2-2107262.zip)

* [AT116-e][401][eMTC R15] Scheduling restrictions of positioning SI messages (Lenovo)

Status: Closed

      **Scope:** Check whether the intention is agreeable and there is sufficient support
in principle; collect initial comments regarding the wording etc.

      **Intended outcome:** Report in R2-2111406

      **Deadline:** Wednesday 2021-11-03 12:00 UTC

[R2-2111406](http://ftp.3gpp.org/tsg_ran/WG2_RL2/TSGR2_116-e/Docs/R2-2111406.zip) [AT116-e][401][eMTC R15] Scheduling restrictions of positioning SI messages Lenovo, Motorola Mobility discussion Rel-15

Proposal 1: The issue of missing scheduling restrictions of positioning SI messages for BL/CE UEs is confirmed.

Proposal 2: The CRs in R2-2109515 and R2-2109516 will be revised and agreed with the following modifications:

• Add the sentence “The CR is considered mandatory to support broadcast of positioning assistance data for BL UEs and UEs in CE.” on the coversheet.

• Remove the condition “SI-Pos-BR” for the presence of field *posSchedulingInfoList-BR-r15*.

• Remove the condition “BW-reduced” for the presence of field *bandwidthReducedAccessRelatedInfo-v15xy*.

• Reuse the existing IE *SchedulingInfoList-BR-r13* for field *posSchedulingInfoList-BR-r15*.

• Add the sentence “E-UTRAN always includes this field if *posSchedulingInfoList-r15* is included in SystemInformationBlockType1-BR” in the description of *posSchedulingInfoList-BR*.

* The issue of missing scheduling restrictions of positioning SI messages for BL/CE UEs is confirmed.
* The CRs in R2-2109515 and R2-2109516 will be revised and agreed with the following modifications:

• Add the sentence “The CR is considered mandatory to support broadcast of positioning assistance data for BL UEs and UEs in CE.” on the coversheet.

• Remove the condition “SI-Pos-BR” for the presence of field posSchedulingInfoList-BR-r15.

• Remove the condition “BW-reduced” for the presence of field bandwidthReducedAccessRelatedInfo-v15xy.

• Reuse the existing IE SchedulingInfoList-BR-r13 for field posSchedulingInfoList-BR-r15.

• Add the sentence “E-UTRAN always includes this field if posSchedulingInfoList-r15 is included in SystemInformationBlockType1-BR” in the description of posSchedulingInfoList-BR.

* CRs in R2-2109515 and R2-2109516 are revised in R2-2111408 and R2-2111409 with the changes agreed above.

**7 Rel-16 EUTRA Work Items**

*Only essential corrections. No documents should be submitted to 7. Please submit to 7.x*

**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.*

[R2-2109366](http://ftp.3gpp.org/tsg_ran/WG2_RL2/TSGR2_116-e/Docs/R2-2109366.zip) Reply LS on RSS-based RSRQ (R4-2115425; contact: Huawei) RAN4 LS in Rel-16 LTE\_eMTC5-Core To:RAN2, RAN1

* Noted

[R2-2111208](http://ftp.3gpp.org/tsg_ran/WG2_RL2/TSGR2_116-e/Docs/R2-2111208.zip) Removal of RSS based RSRQ measurements Huawei, HiSilicon CR Rel-16 36.304 16.5.0 0835 - F LTE\_eMTC5-Core

* [AT116-e][402][eMTC R16] RSS based RSRQ measurements (Huawei)

Status: Started

      **Scope:** Check whether the intention is agreeable and there is sufficient support
in principle; collect initial comments regarding the wording etc..

      **Intended outcome:** Report in R2-2111407

      **Deadline:** Wednesday 2021-11-03 12:00 UTC

[R2-2111407](http://ftp.3gpp.org/tsg_ran/WG2_RL2/TSGR2_116-e/Docs/R2-2111407.zip) [AT116-e][402][eMTC R15R16] RSS-based RSRQ measurements Huawei, HiSilicon discussion Rel-16

Proposal 1: The intention of the CR in R2-2111208 is agreed, wording needs to be further discussed.

Proposal 2: RAN2 to discuss whether a corresponding CR on RRC is needed.

* ZTE thinks there may be a need for a change in 36.300.
* Huawei thinks this is less likely since this is not Stage 2, but can check.
* Ericsson agrees with the CR.
* Huawei agrees with ZTE that a 36.331 CR is needed as well.
* QC does not expect any changes in 36.300.
* Further discussion is needed regarding the related changes in 36.331.
* Continue offline discussion [402] to finalize the related CRs for 36.304 and 36.331 to be provided in R2-2111410 and R2-2111411.
* [AT116-e][402][eMTC R16] RSS based RSRQ measurements (Huawei)

Status: Closed

      **Scope:** To finalize the CRs based on the related online discussion

      **Intended outcome:** Agreeable 36.304, 36.331 and 36.306 in R2-2111410, R2-2111411, and R2-2111412

      **Deadline:** Tuesday 2021-11-09 07:00 UTC

[R2-2111410](http://ftp.3gpp.org/tsg_ran/WG2_RL2/TSGR2_116-e/Docs/R2-2111410.zip) Removal of RSS based RSRQ measurements Huawei, HiSilicon, Qualcomm Incorporated CR Rel-16 36.304 16.5.0 0835 1 F LTE\_eMTC5-Core

* Agreed

[R2-2111411](http://ftp.3gpp.org/tsg_ran/WG2_RL2/TSGR2_116-e/Docs/R2-2111411.zip) Removal of RSS based RSRQ measurements Huawei, HiSilicon, Qualcomm Incorporated. CR Rel-16 36.331 16.6.0 4748 - F LTE\_eMTC5-Core

* Agreed

[R2-2111412](http://ftp.3gpp.org/tsg_ran/WG2_RL2/TSGR2_116-e/Docs/R2-2111412.zip) Removal of RSS based RSRQ measurements Huawei, HiSilicon CR Rel-16 36.306 16.6.0 ???? - F LTE\_eMTC5-Core

* R2-2111412 is withdrawn