**3GPP TSG RAN Meeting #95-e RP-22xxxx**

**Electronic Meeting, March 17 - 23, 2022**

## Status Report to TSG

**Agenda item:** 10.4.2

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **WI / SI Name** | New bands and bandwidth allocation for 5G terrestrial broadcast - part 1 | | | | |
| included in this status report | Study Item:  No | Core part:  Yes | Performance part:  No | | Testing part:  No |
| **Acronym** | LTE\_terr\_bcast\_bands\_part1 | | | | |
| **Unique ID** | 911020 | | | | |
| **TSG Tdoc of latest approved WI/SI description (if any)** | RP-211144 | | | | |
| **Target Completion Date**  **(indicate if changed)** | Study Item: | Core part:  03/2022 | Performance part: | Testing part: | |
| **Overall Completion level** | Study Item: | Core part:  97% | Performance Part: | Testing part: | |

Note: Overall completion level percentage numbers should use one of the colors below:

* xx%: Normal progress, no RAN plenary action needed
* xx%: Progress behind schedule, may need RAN plenary intervention. If so, SR should clearly define requested action
* xx%: Progress critically behind, RAN plenary shall intervene. SR should define requested action

**Source:**

|  |  |  |  |
| --- | --- | --- | --- |
| **Leading WG** | | RAN1 | |
| **Rapporteur** | **Name** | Roland Beutler | Alberto RICO ALVARINO |
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## 1 Work plan related evaluation

|  |  |
| --- | --- |
| **Do you want to modify the time budget for this WI/SI compared to what was endorsed at the last RAN meeting?** | No |

*If you answered No: Then please remove the Excel file from the zip file of this status report.*

*If you answered Yes: Then please fill out the attached Excel template to request a modification of the time budgets for your WI /SI. The Excel table has to be filled out for all affected RAN WGs and up to the target date of the WI/SI. The basis are the endorsed time budgets of the last RAN meeting. Please highlight all changes of the values.  
 One time unit (TU) corresponds to ~ 2 hours in the meeting.  
 If this status report covers a WI with Core and Performance part, then please have one line for each in the attached Excel table.  
 Note: If no Excel table is attached, then this means no time budget change.*

## 2. Detailed progress in RAN WGs since last TSG meeting (for all involved WGs)

## 2.1 RAN1

#### 2.1.1 Agreements

The following agreements were reached in RAN1#108b-e:

* LS on updates to 36.300 from LTE\_terr\_bcast\_bands\_part1is endorsed in R1-2202825.
* CR to TR 36.976 was agreed in R1-2202826 (TR36.976, CR0001, Rel-17, Cat. B)     Introduction of Rel-17 enhancements Qualcomm Incorporated (Editor)

**Agreement**

**For different bandwidths for PMCH,**

* **RAN1 defines separate UE capabilities for 6MHz, 7MHz and 8MHz**
* **RAN1 indicates to RAN4 that, UE has to indicate support for all the allowed bandwidths among 6MHz, 7MHz and 8MHz for PMCH for a certain band for a certain region** **(for those regions and bands where regulatory requirements allow multiple bandwidths among 6/7/8MHz)**
* **Add a note (in the “Notes” column) saying:  NOTE: This capability is sent to a unicast eNB, and indicates whether the UE in RRC\_CONNECTED supports MBMS reception via MBSFN from MBMS-dedicated cells in an MBSFN area with 6/7/8MHz.**

#### 2.1.2 Remaining Open issues

* + None

## 2.2 RAN2

#### 2.2.1 Agreements

The following CRs have been agreed:

* R2-2203633 (CR to TS 36.331 including RRC parameters)
* R2-22xxxx (CR to TS 36.331 introducing UE capabilities)
* R2-22xxxxx (CR to TS 36.306 introducing UE capabilities)
* R2-22xxxxx (CR to TS 36.300 introducing stage-2 description)

Additionally, the following was agreed regarding the completion level of the work item from RAN2 perspective:

* Once the post-meeting email discussion converges, RAN2 considers the WI is completed and can proceed to ASN.1 review. If RAN1 input on UE capabilities cannot be taken into account in the discussion (e.g. if it’s not received yet), RAN2 expects to handle them via correction CRs in the next meeting).

#### 2.2.2 Remaining Open issues

None

## 2.3 RAN3

#### 2.3.1 Agreements

None

#### 2.3.2 Remaining Open issues

Approve changes to 36.443 to introduce signalling related to PMCH bandwidth (mirroring the 36.331 CR in R2-2203633)

## 3. Detailed progress in SA/CT WGs since last TSG meeting (for all involved WGs)

Not applicable

## 4. References

R2-2202237 Introduction of new bands and bandwidth allocation for LTE-based 5G terrestrial broadcast Qualcomm Incorporated

R2-2202238 Introduction of new bands and bandwidth allocation for LTE-based 5G terrestrial broadcast Qualcomm Incorporated

R2-2203633 Introduction of new bands and bandwidth allocation for LTE-based 5G terrestrial broadcast Qualcomm Incorporated

R2-2203634 Introduction of new bands and bandwidth allocation for LTE-based 5G terrestrial broadcast Qualcomm Incorporated

R2-2203698 UE capabilities for LTE-based 5G terrestrial broadcast Qualcomm Incorporated

R2-2203699 Stage-2 description capabilities for LTE-based 5G terrestrial broadcast Qualcomm Incorporated

R2-2203790 Report of [AT117-e][204][LTE] CRs LTE-based 5G terrestrial broadcast (Qualcomm) Qualcomm Inc. (rapporteur)

R1-2201655 Updates to 36.976 and 36.300 Qualcomm Incorporated

R1-2202823 Summary of 108-e-R17-LTE-5G-Bcast-01 Moderator (Qualcomm Incorporated)

R1-2202824 [DRAFT] LS on updates to 36.300 from LTE\_terr\_bcast\_bands\_part1 Moderator (Qualcomm Incorporated)

R1-2202825 LS on updates to 36.300 from LTE\_terr\_bcast\_bands\_part1 RAN1

R1-2202826 Introduction of Rel-17 enhancements Qualcomm Incorporated (Editor)

R1-2201521 Summary on UE features for LTE based 5G terrestrial broadcast Moderator (NTT DOCOMO, INC.)

R1-2200979 Rel-17 UE features for LTE based 5G terrestrial broadcast Huawei, HiSilicon

R1-2201180 Discussion on Rel-17 UE features for LTE based 5G terrestrial broadcast ZTE

R1-2201422 On UE features for LTE based 5G terrestrial broadcast Nokia, Nokia Shanghai Bell

R1-2201512 Discussion on UE features for LTE based 5G terrestrial broadcast NTT DOCOMO, INC.

R1-2201521 Summary on UE features for LTE based 5G terrestrial broadcast Moderator (NTT DOCOMO, INC.)

R1-2202179 UE features for LTE-based 5G terrestrial broadcast Qualcomm Incorporated