**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 |
| **Company** | EBU | Qualcomm Incorporated |
| **Email** | [Roland.Beutler@swr.de](mailto:Roland.Beutler@swr.de) | [albertor@qti.qualcomm.com](mailto:albertor@qti.qualcomm.com) |

## 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)
* R2-2203698 (CR to TS 36.331 introducing UE capabilities)
* R2-2203634 (CR to TS 36.306 introducing UE capabilities)
* R2-2203699 (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:

* [251] RAN2 considers the WI is completed (all CRs were agreed, including UE capabilities and Stage-2 description) and can proceed to ASN.1 review.

#### 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) – submitted as a company CR to RAN#95 in RP-220517.

## 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 UE capabilities for new bands and bandwidth allocation for LTE-based 5G terrestrial broadcast Qualcomm Incorporated

R2-2203698 UE capabilities for new bands and bandwidth allocation for LTE-based 5G terrestrial broadcast Qualcomm Incorporated

R2-2203699 Introduction of new bands and bandwidth allocation 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