**3GPP TSG RAN Meeting #90e RP-20xxxx**

**Electronic Meeting, December 7 – 11, 2020**

**Agenda item:** 10.4

**Source:** Moderator (AT&T)

**Title:** Moderator's summary for email discussion [90E][37][MBMS\_flexible\_BW]

**Document for:** Discussion

# Introduction

In this document, we will provide a summary for the email discussion on MBMS flexible bandwidth for Rel-16 LTE at RAN#90-e.

# Topic #1: MBMS flexible bandwidth

## Proposed objectives

Topic #1 will capture the outcome of the discussions on the following documents:

1) RP-202793 [1] containing a discussion paper on support of flexible bandwidth for MBMS

2) RP-202412 [2] containing a TS 36.213 Cat-F Rel-16 CR on Flexible bandwidth for MBMS

3) RP-202413 [3] containing a TS 36.331 Cat-F Rel-16 CR on Flexible bandwidth for MBMS.

## Initial round

### Open issues

The following summarizes the key proposal listed in [1].

**Proposal 1: Allow configuring PMCH bandwidth larger than the system bandwidth indicated by MIB. The following PMCH bandwidth values are supported for** $N\_{RB}^{DL}=25$ **:**

* **8MHz:** $N\_{PRB}=40$
* **7MHz:** $N\_{PRB}=35$
* **6MHz:** $N\_{PRB}=30$

### Companies views’ collection

Issue 1: Is Proposal 1 from RP-202793 agreeable?

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| --- | --- |
| **Company** | **Comments** |
| TDF | We support the CR and proposal as is. The proposal is an important element towards deploying LTE based 5G terrestrial broadcast (EnTV) technology in the future.  |

Issue 2: Is TS 36.213 Cat-F Rel-16 CR RP-202412 agreeable?

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| **Company** | **Comments** |
| TDF | The CRs are agreeable, see issue 1. |

Issue 3: Is TS 36.331 Cat-F Rel-16 CR RP-202413 agreeable?

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| **Company** | **Comments** |
| Qualcomm | Same as above. The CRs are agreeable |
| EBU | Yes, see issue 1 |
| Rohde & Schwarz GmbH | CRs are agreeable. See issue 1 |
| Saankhya Labs | Support the CR |
| IRT | The CRs are agreeable, see issue 1. |
| TDF | The CRs are agreeable, see issue 1. |

### Summary and recommendation for further discussion

In this section, the summary of comments on Topic#1 and the corresponding recommendations are provided.

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|  | **Summary and recommendation** |
| TDF | We ask RAN to approve this proposal. |

## Intermediate round

### Open issues

### Companies views’ collection

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| **Company** | **Comments** |
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### Summary and recommendation for further discussion

In this section, the summary of comments on Topic#1 and the corresponding recommendations are provided.

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|  | **Summary and recommendation** |
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## Fine-tuning round

### Open issues

### Companies views’ collection

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| **Company** | **Comments** |
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### Summary and recommendation for further discussion

In this section, the summary of comments on Topic#1 and the corresponding recommendations are provided.

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|  | **Summary and recommendation** |
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## Final comments

# References

[1] RP-202793: Support of flexible bandwidth for MBMS; European Broadcasting Union (EBU), Academy of Broadcasting Planning (ABP), Academy of Broadcasting Science (ABS), ATEME, Broadcast Networks Europe (BNE) , Cellnex, Coherent Logix, Dolby, DTS/Xperi, Enensys, European Space Agency (ESA), Fraunhofer IIS, IIT Bombay, Institut für Rundfunktechnik (IRT), OneMedia 3.0 LLC, Panasonic, Philips, Qualcomm, Reliance Jio, Rohde&Schwarz, Saankhya Labs, Shanghai Jiao Tong University, SyncTechno Inc, TDF, TNO, University of the Basque Country, Vivo, VTT Technical Research Centre of Finland

[2] RP-202412: Flexible bandwidth for MBMS; European Broadcasting Union (EBU)

[3] RP-202413: Flexible bandwidth for MBMS; European Broadcasting Union (EBU)