3GPP TSG-RAN WG1 Meeting #104-e R1-21xxxxx

e-Meeting, January 25th – February 5th, 2021

Agenda Item: 6.2.1

Source: Moderator (Ericsson)

Title: FL summary for Multi-TB issues for Rel-16 LTE-MTC

Document for: Discussion, Decision

# 1 Introduction

This document provides a summary of the following RAN1 email discussion.

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|  [104-e-LTE-eMTC5-02] Multi-TB issues – Johan (Ericsson)* Issue #1: Clarification of DCI definition for SPS validation ([R1-2100561](https://www.3gpp.org/ftp/tsg_ran/WG1_RL1/TSGR1_104-e/Docs/R1-2100561.zip))
* Issue #2: Clarification of multicast scheduling gap definition ([R1-2100761](https://www.3gpp.org/ftp/tsg_ran/WG1_RL1/TSGR1_104-e/Docs/R1-2100761.zip), [R1-2101279](https://www.3gpp.org/ftp/tsg_ran/WG1_RL1/TSGR1_104-e/Docs/R1-2101279.zip))
* Discussion and decision by 1/29, TPs by 2/5
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# Issue #1: Clarification of DCI definition for SPS validation

Contribution [1] discusses the need for clarification of the DCI definition for SPS validation for the case when the Rel-16 LTE-MTC multi-TB scheduling feature is configured and presents a TP for 36.213.

**Question: Companies are invited to comment below on the 36.213 TP in [1] for clarification of the DCI definition for SPS validation when multi-TB scheduling is configured.**

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| **Company** | **Comments** |
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# Issue #2: Clarification of multicast scheduling gap definition

Contributions [2] and [3] discuss clarification of the definition of scheduling gaps for Rel-16 LTE-MTC multi-TB scheduling for multicast SC-PTM transmission and present three alternative TPs for 36.213. Two of the TPs assume that the scheduling gap should be in terms of BL/CE BL subframes, and the third TP assumes that the scheduling gap should be in terms of absolute subframes. The TPs also address the indentation issue discussed in the previous RAN1 meeting [4].

**Question: Should the scheduling gap for multi-TB multicast transmission be in terms of BL/CE DL subframes or absolute subframes?**

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| **Company** | **Comments** |
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# References

1. [R1-2100561](https://www.3gpp.org/ftp/tsg_ran/WG1_RL1/TSGR1_104-e/Docs/R1-2100561.zip), “Corrections on scheduling enhancement for MTC”, ZTE

1. [R1-2100761](https://www.3gpp.org/ftp/tsg_ran/WG1_RL1/TSGR1_104-e/Docs/R1-2100761.zip), “Corrections on multicast gap in Multiple TB”, Lenovo, Motorola Mobility

1. [R1-2101279](https://www.3gpp.org/ftp/tsg_ran/WG1_RL1/TSGR1_104-e/Docs/R1-2101279.zip), “Corrections on multi-TB scheduling for eMTC”, Huawei, HiSilicon

1. [R1-2009295](https://www.3gpp.org/ftp/tsg_ran/WG1_RL1/TSGR1_104-e/Docs/R1-2009295.zip), “FL summary for Multi-TB issues for Rel-16 LTE-MTC”, Moderator (Ericsson)