**3GPP TSG RAN WG1 #114** **R1-230xxxx**

**Toulouse, France, August 21st – 25th, 2023**

**Agenda item:** 9.17

**Source:** Samsung

**Title:** Summary of email discussions [114-R18-38.213-NR\_redcap\_enh]

**Document for:** Discussion and decision

# Introduction

The purpose of this document is to collect inputs/comments on the draft CR for TS 38.213 [draftCR\_38213 eRedCap](https://www.3gpp.org/ftp/tsg_ran/WG1_RL1/TSGR1_114/Inbox/drafts/9.17%28Other%29/%5B38.213%20draft%20CRs%5D/NR_redcap_enh/R1-230xxxx%20draftCR_38213%20eRedCap.docx) on the introduction of support for enhanced reduced capability NR devices. If a comment on a particular aspect has been made by another company, please do not repeat it until, if needed, after a response.

The first checkpoint is on September 5, UTC 13:00.

# First Round Discussion

Please provide your comments on the draft CR for TS 38.213 [draftCR\_38213 eRedCap](https://www.3gpp.org/ftp/tsg_ran/WG1_RL1/TSGR1_114/Inbox/drafts/9.17%28Other%29/%5B38.213%20draft%20CRs%5D/NR_redcap_enh/R1-230xxxx%20draftCR_38213%20eRedCap.docx).

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| Company | Comments |
| MediaTek | As we commented last time, like FG 48-1 UE, FG 48-2 UE does not expect Msg3 PUSCH, Msg A PUSCH, and Msg4 with TC-RNTI to be larger than 25/12 PRBs for 15/30 kHz SCS. For Msg4 with TC-RNTI, it has been captured in the current CR draft. But for Msg3 and MsgA PUSCH, it is missing. Hence, we suggest add the following paragraph to Clause 17.1A. * A UE that indicates FG 48-2 does not expect to transmit a PUSCH over a bandwidth that is larger than 25 PRBs for 15 kHz SCS, or larger than 12 PRBs for 30 kHz SCS, per hop in a slot, where the PUSCH is scheduled by RAR UL grant or by a DCI scrambled by a TC-RNTI, or is configured for a Type-2 random access procedure.

The reasons behind the above proposal are listed below:1. At RAN#99, it was agreed that FG 48-2 UE should follow the same initial access procedure as FG 48-1 UE.
2. RAN1 and RAN2 have both agreed that FG 48-2 UE shares the same early indication in Msg1/Msg3/MsgA PUSCH.
	* 1. NW hence cannot distinguish FG 48-2 UE from FG 48-1 until it receives UE capability reporting.
		2. In other words, the scheduling restriction during a RACH procedure should apply to both UEs except for Msg4 with C-RNTI.
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