**3GPP TSG RAN WG1 Meeting #106-e** **R1-210xxxx**

**August 16th – August 27th, 2021**

**Agenda item: 8.2**

**Source: Rapporteur (Qualcomm Incorporated)**

**Title: Comments collection for RRC parameters for extending NR to 52.6-71GHz**

**Document for: Discussion and Decision**

# Introduction

This paper is a place holder to collect comments for RRC parameters for 60GHz work item. The RRC parameters are captured in the excel sheet in the same folder.

# Comments

## Initial access aspects

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| Company | View |
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## PDCCH monitoring enhancements

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## Enhancements for PUCCH formats 0/1/4

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| Company | View |
| Ericsson | For the number of RBs, rather than listing 3 specific parameters (nrofPRBs-PF0-r17, nrofPRBs-PF1-r17, nrofPRBs-PF4-r17) it would be better to give RAN2 a little more freedom in how to specify the number of RBs (potentially differently) for each of PF0, 1, and 4. For example, in Rel-15, there is a single parameter nrofPRBs in each of PUCCH-format2 and PUCCH-format3, which still allows the number of RBs to be configured differently for each PUCCH format.We could always add an extra note to inform RAN2 that however they choose to specify it, it must be possible to configure the number of RBs differently for each PUCCH format.  |
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## Beam management for new SCSs

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| Company | View |
| Ericsson | For maxNumberRxTxBeamSwitchDLThe value range should be changed as follows since 2 has been agreed and 4 is common to both Alt-1 and Alt-2 in the agreement). 120KHz: No change480KHz: 2, 4, 7960KHz: ~~FFS~~ 2, 4FFS: additional value(s) for 960 kHz |
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## PDSCH/PUSCH enhancements

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| Company | View |
| DOCOMO | We think the intention of describing the two parameters below only is not very clear:

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| PDSCH-TimeDomainResourceAllocation-r17 |
| PUSCH-TimeDomainResourceAllocationList-r17 |

In 38.331, there are quite some parameters which relate to PDSCH/PUSCH resources per release and per functionality. If we need to describe more precisely, perhaps the following should be described:* For multi-PUSCH scheduling,
	+ pusch-TimeDomainAllocationList-r17
	+ PUSCH-TimeDomainResourceAllocationList-r17
	+ PUSCH-TimeDomainResourceAllocation-r17
	+ PUSCH-Allocation-r17
* For multi-PDSCH scheduling,
	+ pdsch-TimeDomainAllocationList-r17
	+ PDSCH-TimeDomainResourceAllocationList-r17
	+ PDSCH-TimeDomainResourceAllocation-r17
	+ PDSCH-Allocation-r17 (if we follow multi-PUSCH scheduling framework but no agreement implying this clearly so far?)

However, we think the aspects above may relate each other. So it may not essential to describe all of them. We would be open to discuss on this.  |
| Ericsson | Should it be the following instead? PUSCH-TimeDomainResourceAllocationList-r17PDSCH-TimeDomainResourceAllocationList-r17 |

## Channel access mechanism

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## Others

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| Company | View |
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