## Introduction

The goal of this email discussion is to facilitate providing a response to RAN2 LS R2-2206356 [1] by the end of week-1 of RAN1#109-e.

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| In current Rel-17 38.331 the parameter *followUnifiedTCIstateSRS-r17* could be configured to indicate whether aperiodic SRS resource set for BM or SRS resource set of any time-domain for codebook, non-codebook, and antenna switching should follow the "indicated" Rel-17 UL only or joint TCI state.  It is found that RAN1’s agreements in RAN1#108-e imply that, when *followUnifiedTCIstateSRS-r17* is not configured while the Rel-17 TCI framework is configured, TCI state for SRS resources may need to be indicated via RRC configuration (e.g. for periodic resources) or using MAC CE (e.g. for SP and aperiodic SRS resource).  RAN2 is considering to configure UL or joint TCI state for those cases via RRC signalling but not sure whether it is sufficient since RAN2 has not received any guidance on this from RAN1 LS. At the same time, RAN2 would like to emphasize that RAN2 has already completed the WI and hence we should avoid introducing a new feature unless it is essential. |

## Questions raised in R2-2206356

* 1. Question 1

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| **Question 1:**  For using unified TCI states with SRS resources, are there cases that are not addressed by current RRC specification (v17.0.0) and would require something to be specified in RAN2 (i.e. new RRC parameter or MAC CE based signalling)? |

**Table 1**

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| **Company** | **Input** |
| Mod V00 | **Provide your inputs along with suggested answers to the questions** |
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* 1. Question 2

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| **Question 2:**  Is it sufficient to configure RRC parameter i.e. UL or joint TCI state for SRS Resource to address use of unified TCI state with SRS resources? |

**Table 2**

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| **Company** | **Input** |
| Mod V00 | **Provide your inputs along with suggested answers to the questions** |
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* 1. Question 3

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| **Question 3:**  If answer to Q2 is "no" and MAC CE based solution is necessary for unified TCI states to work with SRS resource(set)s, please respond to below set of questions. Note that in order to have specification support for MAC operation the response needs to be detailed and clear enough for RAN2 to specify the needed support in RAN2#118:   1. What information is included for all the fields in the MAC CE (please indicate each parameter that should be included in MAC CE assuming a new MAC CE is designed from scratch)? 2. How is such a MAC CE indication be used? Is it required to define activation/deactivation of concerned SRS resource (set)s with the associated TCI state (as same as SP SRS Activation/Deactivation MAC CE or enhanced SP/AP SRS Spatial Relation Indication MAC CE), or something else? 3. Does the MAC CE apply for one serving cell, or should we also apply for serving cells according to the simultaneous TCI state update list(s) configured for unified TCI state? |

**Table 3**

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| **Company** | **Input** |
| Mod V00 | **Provide your inputs along with suggested answers to the questions** |
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# References

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| 1 | R2-2206356 | LS on TCI state signalling for SRS resource | RAN2 |
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