**3GPP TSG-RAN WG2 Meeting #109bis-e *R2-2003961***

**e-Meeting, 13-24 April, 2020**

**Title: draft** LS to RAN1 on agreements related to 2-step CFRA

**Response to:**

**Release:** Rel-16

**Work Item:** NR\_2step\_RACH-Core

**Source:** to be RAN2

**To:** RAN1

**Cc:**

**Contact Person:**

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**Attachments:**

**1. Overall Description:**

As part of the 2-step RACH work item, RAN2 has made the following agreements.

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| **Agreements**1 Once the UE transmits PRACH preamble then it shall transmit the associated PUSCH regardless of the occurrence of measurement gap2 No changes are made to the MAC spec for the issue related to the MSGA PUSCH resources overlapping with measurement gap3 To handle the scenario that some configuration aspects of PUSCH configuration may include optional UE features; Nothing is specified (assumption being the network only uses the optional PUSCH configuration features on dedicated BWPs and only for UEs that support these features) – no change to specification needed. Inform RAN1 about this conclusion4 If there is no valid PUSCH resource associated to the PRACH resource selected:o then MAC doesn’t determine the UL grant or the associated HARQ informationo MAC will only indicate the preamble resource to L1o The UE will still generate the MAC PDU based on the TB size 5 msgA-TransMax is configured for 2 step CFRA in rachConfigDedicated and that the UE is not allowed to switch to 4-step RACH if this is not configured in rachConfigDedicated6 From RAN2 perspective, if the UE supports 2-step RA, it shall support 2-step CFRA for the SSB case (i.e. same as 4-step RACH)*7 FFS If RAN1 indicates support for CSI-RS for 2-step CFRA, there is no need for a separate capability bit for this in 38.306 from RAN2 perspective.* 8 Change the LCID to one byte eLCID for the Absolute Timing Advance Command9 Move the initialisation of RSRP\_THRESHOLD\_RA\_TYPE\_SELECTION after the BWP operation since the threshold can be different in different BWPs |

**2. Actions:**

**To RAN1**

**ACTION:** RAN2 respectfully asks RAN1 to take the above into account in their specification work:

**3. Date of Next TSG-RAN2 Meetings:**

TSG-RAN2 Meeting #110 25 - 29 May 2020 Athens, GR