**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 RACH

**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 gap  2 No changes are made to the MAC spec for the issue related to the MSGA PUSCH resources overlapping with measurement gap  3 To handle the scenario that some of the parameters within the 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 conclusion  4 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 information  o MAC will only indicate the preamble resource to L1  o 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 rachConfigDedicated  6 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 Command  9 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-e 01-12 June 2020 emeeting

TSG-RAN2 Meeting #111 24-28 Aug 2020 Toulouse, FR