3GPP TSG RAN WG1 #100bis-e R1-200XXXX

e-Meeting, April 20th – April 30th, 2020

**Title:** LS on removing the word “candidate” in Subclause 8.1.1 of TS 38.133 v16.3.0

**Release:** Rel-16

**Work Item:** NR\_unlic-core

**Source:** RAN WG1

**To:** RAN WG4

**Cc:** -

**Contact Person:**

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**1. Overall Description:**

RAN WG1 has agreed to utilize two sets of indexes for SS/PBCH block in Rel-16, i.e., SS/PBCH block index and candidate SS/PBCH block index. For licensed operation, the two indexes are the same. For unlicensed operation, a candidate SS/PBCH block is utilized for indexing the candidate SS/PBCH blocks in a half frame, and the UE can determine an SS/PBCH block index according to , or according to , where is an index of a DM-RS sequence transmitted in a PBCH of a corresponding SS/PBCH block, is the candidate SS/PBCH block index, and is either provided by *ssbPositionQCL-Relationship-r16* or, if *ssbPositionQCL-Relationship-r16* is not provided, obtained from a *MIB* provided by a SS/PBCH block with .

According to above, RAN WG1 expects a corresponding change of the index of SS/PBCH block in the Subclause 8.1.1 of TS 38.133 v16.3.0, and RAN WG1 kindly asks RAN WG4 to take the following TP into account for developing their specification for operation with shared spectrum channel access. Note that for licensed operation, a candidate SS/PBCH block index is the same as an SS/PBCH block index, hence, the change does not affect the licensed operation, and is applicable to both licensed and unlicensed operation.

====================== Start of TP for Subcaluse 8.1.1 of TS 38.133 v16.3.0 ===================

================================== Text Omitted =====================================

UE shall be able to monitor up to NRLM RLM-RS resources of the same or different types in each corresponding carrier frequency range, depending on a maximum number Lmax of ~~candidate~~ SSBs per half frame according to TS 38.213 [3], where NRLM is specified in Table 8.1.1-2, and meet the requirements as specified in clause 8.1. UE is not required to meet the requirements in clause 8.1 if RLM-RS is not configured and no TCI state for PDCCH is activated.

================================== Text Omitted =====================================

====================== End of TP for Subcaluse 8.1.1 of TS 38.133 v16.3.0 ====================

**2. Actions:**

**To RAN WG4.**

**ACTION:** RAN WG1 kindly asks RAN WG4 to take above TP into account for developing their specifications.

**3. Date of Next TSG-RAN WG1 Meetings:**

TSG-WG1 Meeting #101-e 25th May – 5th June 2020 e-Meeting

TSG-WG1 Meeting #102 24th – 28th August 2020 Toulouse, FR