**3GPP TSG-RAN WG2 Meeting #109e R2-2001919**

**24 February – 6 March 2020**

**Title:** **Reply LS on signaling of Q for a serving cell in NR-U**

**Response to: R2-200021 (R1-1913592) LS on signaling of Q for a serving cell in NR-U**

**Release: Rel-16**

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

**Source:** **Qualcomm [To be RAN2]**

**To: RAN1**

**Contact Person:**

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**Send any reply LS to: 3GPP Liaisons Coordinator,** [**mailto:3GPPLiaison@etsi.org**](mailto:3GPPLiaison@etsi.org)

**1. Overall Description:**

In their LS to RAN2 (R1-1913592), RAN1 has described two feasible alternatives on how to signal Q in MIB for NR-U, called Alt 1-2 and Alt 1-4 in the RAN1 agreements.

In Alt 1-2, UE interprets the 2 bits (ssbSubcarrierSpacingCommon, ssb-SubcarrierOffset) of the Rel-15 MIB for providing the value of Q. On the other hand, in Alt 1-4, the UE interprets the spare bit (plusthe LSB of the existing field *ssbSubcarrierSpacingCommon* ) in the Rel-15 MIB in order to determine Q.

RAN1 has asked RAN2 on whether there was a consensus in RAN2 for using the spare bit and indicated that RAN1 would adopt Alt 1-2 if there was no such consensus in RAN2.

RAN2 has discussed the issue in RAN2#109e meeting. There was no consensus in RAN2 to use the only spare bit in MIB for signalling of Q. RAN2 is also discussing whether a new MIB for NR-U is needed or not.

**2. Actions:**

**To RAN1**

**ACTION:** .

RAN2 respectfully asks RAN1 to take the above RAN2 feedback into account.

**3. Date of Next TSG-RAN WG2 Meetings:**

TSG-RAN2 Meeting #109bis 20 - 24 Apr 2020 Sapporo, Japan

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