**3GPP TSG RAN WG2#118-e R2-220xxxx**

**e-Meeting, 9th - 20th May, 2022**

**Title:** Draft LS on the CQI periodic reporting for Dormant SCell state

**Response to:**

**Release:** Release 15

**Work Item:** LTE\_euCA-Core

**Source:** Samsung (To be RAN2)

**To:** RAN1

**Cc:**

**Contact Person:**

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**Attachments:**

1. **Overall Description:**

In current TS 36.213, clause 7.2.2, the detail descriptions how the parameters on CQI reporting are specified. RAN1 specification described that the separate configuration of single CSI subframe set and multiple CSI subframe sets regarding *cqi-pmi-ConfigIndexDormant*/ *cqi-pmi-ConfigIndex2Dormant* and *ri-ConfigIndexDormant*/ *ri-ConfigIndex2Dormant* is allowed. However, RRC only allows to configure *cqi-pmi-ConfigIndexDormant* and *ri-ConfigIndexDormant* i.e. there are no RRC signaling in TS 36.331 to configure *cqi-pmi-ConfigIndex2Dormant* and *ri-ConfigIndex2Dormant*.

This functional misalignment between the RAN1 and RAN2 specifications make confusion of implementations, so it needs to be clearly confirmed whether this feature is supported or not. 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.

**2. Actions:**

**To RAN1:**

RAN2 respectfully asks RAN1 to answer following questions:

**Question 1:**

Are there significant impacts to performance of CA operation if separate configuration of single CSI subframe set and multiple CSI subframe sets cannot be supported in R15/R16?

If this feature is really required from the RAN1 perspective:

**Question 2-1:**

From which release it should be supported?

**Question 2-2:**

How about the capability for this feature (i.e. per UE or per band, etc.)? Is TDD/FDD differentiation required?

If this feature is not critical from RAN1 perspective:

**Question 3:**

Is it possible to change the RAN1 specification to revert the supporting this feature? or is possible RAN2 can assume that same configuration of “subframe set 1” is always applied to “subframe set 2” without explicit configuration?

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

3GPP RAN2#119e August 22~26 [Electronic] Meeting