**3GPP TSG RAN WG1 #110 R1-220xxxx**

**Toulouse, France, August 22nd – 26th, 2022**

**Title:** Reply LS on the CSI periodic reporting for Dormant SCell state

**Response to:** R1-2205729 (R2-2206372)

**Release:** Release 15

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

**Source:** RAN1

**To:** RAN2

**Cc:**

**Contact Person:**

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

**Attachments:**

1. **Overall Description:**

RAN1 thanks RAN2 for the LS and would like to provide the following response for each question.

**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 Rel-15 or Rel-16?

**Answer for Question 1:**

This feature is helpful for the network to acquire CSI for dormant SCell. However, considering the current stage, making ASN.1 impact for Rel-15/16 needs to be avoided. Therefore, RAN1 can remove the misaligned parameters *cqi-pmi-ConfigIndex2Dormant* and *ri-ConfigIndex2Dormant* in TS 36.213 for Rel-15/16. However, RAN1 prefer to introduce the missing parameters in Rel-17.

If this feature is essential from RAN1 perspective:

**Question 2-1:**

From which release should it be supported?

**Answer for Question 2-1:**

Possible release is Rel-17

**Question 2-2:**

With regards to the UE capability for indicating support of this feature: should it be defined per UE or per band? Is FDD/TDD differentiation required?

**Answer for Question 2-2:**

New FG for this feature seems needed. For the details, more discussion is needed.

If this feature is not essential from RAN1 perspective:

**Question 3:**

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

**Answer for Question 3:**

RAN1 will remove ‘*cqi-pmi-ConfigIndex2Dormant*’ and ‘*ri-ConfigIndex2Dormant*’ in TS 36.213 for Rel-15/16 and RAN1 kindly requests RAN2 to introduce the RRC parameters ‘*cqi-pmi-ConfigIndex2Dormant*’ and ‘*ri-ConfigIndex2Dormant*’ in Rel-17.

**2. Actions:**

**To RAN2:**

RAN1 would like to ask RAN2 to take the above into consideration in future work.

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

TSG RAN WG1 Meeting #110bis-e October 10th – 19th, 2022 E-meeting

TSG RAN WG1 Meeting #111 November 14th – 18th, 2022 TBD