**3GPP TSG-RAN WG2 Meeting #117R2-2xxxxx**

**Electronic February 2022**

**Title: DRAFT**LS on further questions on feMIMO RRC parameters

**Response to: -**

**Release:** Rel-17

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

**Source:** ERICSSON to be replaced by 3GPP TSG-RAN WG2

**To:** 3GPP TSG-RAN WG1

**Contact Person:**

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**Attachments:** None

**1. Overall Description:**

[RAN2 agreed question:]

RAN2 has further discussed the implementation of L1 parameters based on R1-2112976. One of the parameters is “*[AdditionalPCIInfo…]* ” (row 53) with description “*to support inter-cell mTRP operation, to associate SSB from the cell having different PCI than serving cell.*” As mTRP operation uses Rel-15/16 TCI state configuration and not Rel-17 TCI state configuration, the additional PCI is linked to Rel-15/16 TCI state and *PUCCH-SpatialRelationInf..*

***Question 1.*** RAN2 would like to ask whether current interpretation is correct for “*to support inter-cell mTRP operation, to associate SSB from the cell having different PCI than serving cell.*” ? If not, please give more explicit guidance on the needed configuration to support inter-“cell” mTRP operation.

[Other suggested questions:]

RAN2 further discussed row 19 of the excel that advices “PDSCH configuration for each CC/BWP. The reference CC/BWP includes the Rel-17 TCI state pool (a list of TCI states) for PDSCH”. This is understood as signalling optimization that is advised for DL or joint TCI state list configuration when UE is configured with unified TCI state operation.

***Question 2.*** RAN2 would like to ask whether UL TCI state configuration would follow similar configuration?

**2. Actions:**

**To RAN1 group:**

**ACTION:** RAN2 respectfully asks RAN1 to provide responses to above question.

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

ASN1 review April 2022 Electronic

TSG-RAN WG1 Meeting #118-e 16 – 27 May 2022 Electronic

TSG-RAN WG1 Meeting #119 August 2022 Electronic