3GPP TSG-RAN WG2 #117 R2-2203803

eMeeting, 21st February - 3rd March, 2022

**Title:** **[**Draft] LS on TCI state indication

**Response to:**

**Release:** Rel-17

**Work Item:** LTE\_NR\_DC\_enh2

**Source:** MediaTek [to be RAN2]

**To:** RAN4

**Cc:**

**Contact Person:**

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**1. Overall Description**

RAN2 would like to inform RAN4 that RAN2 has agreed to add TCI state information in RRC for direct SCell activation as the following agreement.

* 1: Add TCI State information in NR RRC IE ServingCellConfig (to support also TCI state indication with direct SCell activation). The network could use this indication for RACH-less PSCell activation and direct SCell activation. For PSCell, TCI state can be updated when SCG is deactivated.

The TCI state information could be used for PSCell activation/de-activation mechanism as described in LS R2-2201711. In addition to that, it can also be used for direct SCell activation as requested by RAN4 in LS R4-2017329 [2]. RAN2 understands whether to define requirements for this is up to RAN4.

**2. Actions:**

**ACTION:** RAN2 respectfully asks RAN4 to take above RAN2 conclusions into consideration.

**3. References:**

[1] R2-2201711, “LS on efficient activation/de-activation mechanism for one SCG”, RAN2

[2] R2-2100058 / R4-2017329, “LS on TCI state indication at Direct SCell activation”, RAN4

**4. Date of Next RAN2 Meetings:**

RAN2#118-e, eMeeting, 16-27 May. 2022

RAN2#119-e, Toulouse, 22-26 Aug. 2022