**3GPP T****SG-RAN WG2 Meeting #116b-e Draft R2-2XXXX**

**Online, 17 - 25 January 2022**

**Title: LS on efficient activation/de-activation mechanism for one SCG**

**Response to:** -

**Release:** Rel-17

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

**Source:** RAN2

**To:** RAN4

**CC:**

**Contact Person:**

**Name:** David Lecompte

**Tel. Number:**

**E-mail Address:** david.lecompte@huawei.com

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

**Attachments:**

**1. Overall Description:**

RAN2 discussed the UE behaviour when the UE is configured to perform RLM/BFD while the SCG is deactivated and agreed that:

- upon transition from activated SCG to deactivated SCG, when RadioLinkMonitoringConfig does not provide any RS for "rlf" or "both", the UE continues to perform RLM based on the activated TCI states for PDCCH reception at the time of the transition

- upon transition from activated SCG to deactivated SCG, when RadioLinkMonitoringConfig does not provide any RS for "beamFailure" or "both", the UE performs BFD on the activated TCI states for PDCCH at the time of the transition

- tci-Info, which can provide activated TCI states for PDCCH/PDSCH reception at SCG activation (i.e. at transition from deactivated SCG to activated SCG), can be included in any RRC reconfiguration while the SCG is already deactivated. If the RRC reconfiguration indicates that the SCG remains deactivated, in the two above cases, from then on, the UE performs BFD and/or RLM using the TCI states indicated in tci-Info as TCI states for PDCCH reception.

RAN2 does not consider introducing a separate RLM configuration specific for deactivated SCG. If RAN4 feel the necessity RAN4 can discuss/decide if it is needed or not.

RAN2 leaves the decision to RAN4 whether to support the configuration of measCycle for deactivated SCG.

**2. Actions:**

**To: RAN4**

**ACTION:**

RAN2 kindly asks RAN4 to take the above information into account for their work on efficient activation/de-activation mechanism for one SCG.

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

RAN2#117-e 21 February - 3 March 2022 Online

RAN2#118-e 16 May - 27 May 2022 Online