**3GPP TSG RAN WG1 Meeting #100bis-e                                                                  R1-200xxxx**

**E-meeting, April 20th - April 30th, 2020**

**Title: Draft LS response to dormant BWP configuration and related operation**

**Response to:** R1-2001514 (R2-2002381)

**Release:** Rel-16

**Work Item:** LTE\_NR\_DC\_CA\_enh-Core

**Source:** OPPO [RAN1]

**To:** RAN2

**Cc:**

**Contact Person:**

#### Name: Zhisong Zuo

E-mail Address: zuozhisong{at}oppo.com

**Attachments: -**

**1. Overall Description:**

RAN1 would like to thank RAN2 for the LS in regards the questions of dormant BWP configuration and related operation. After discussion following answers are for RAN2.

**Q 1: Are there any issues due to RAN2 agreements on TCI state configuration, i.e. *tci-StatesToAddModList* in PDSCH-Config is configured for dormant BWP?**

RAN1 agrees that it is possible to configure *tci-StatesToAddModList* in dormant BWP. RAN1 understanding is that it should also be possible for the NW to configure any other IE that is necessary for ensuring proper UE behaviour in dormant BWP. Further decision can be made in RAN2.

**Q 2: Are there any issues due to RAN2 agreements for BFR, i.e. BFR is supported and BFR procedure follow R16 SCell BFR procedure for dormant BWP, then *radioLinkMonitoringConfig* IE and new IE *beamFailureRecoverySCellConfig* for SCell BFR are configured in DL dormant BWP configuration for beam failure detection purpose?**

No issue is identified by RAN1.

**Q 3: Are there any issues due to RAN2 agreements on CSI reporting and SRS transmission, i.e. not support aperiodic CSI reporting for dormant BWP and not support SRS transmission on dormant BWP?**

RAN1 has not reached consensus on identifying any issues for no support of aperiodic CSI reporting for dormant BWP.

RAN1 has not reached consensus on identifying any issues for no support of SRS transmission on dormant BWP.

Some companies stated that there is no issue on not supporting aperiodic CSI report for dormant BWP and SRS transmission on DL dormant BWP, whereas some companies stated there are issues.

**Q4: RAN2 wonder what the scenario for is to define the two first non-dormant BWPs which may be configured to be different?**

RAN1 does not have common understanding on scenarios for configuring two different first non-dormant BWPs.

**Q5: If these two first non-dormant BWPs are configured to be different, is it possible that the NW and UE may be out of sync in terms of which BWP the UE is using in non-dormancy if the UE has transitioned out of dormancy earlier?**

RAN1 has not reached consensus on if out-of-sync can happen and if it is an issue.

**Q6:RAN2 respectfully ask RAN1 is it feasible to support the implicit configuration of the beam failure detection RS for dormant BWP?**

Implicit configuration for beam failure detection RS in dormant BWP is feasible but cannot be supported if tci-StatesPDCCH-ToAddList or equivalent configuration cannot be provided for a dormant BWP.

**Q7:RAN2 respectfully ask RAN1 to decide whether the default BWP can be same as dormant BWP?**

RAN1 has not reached consensus on if default BWP can be dormant BWP.

**2. Actions:**

**To RAN2:**

**ACTION:** RAN1 kindly asks RAN2 to take the above information into account for dormant BWP configurations.

**3. Date of Next TSG-RAN1 Meetings:**

TSG-RAN WG1 Meeting #101-e 25th May – 5th June 2020, Electronic

TSG-RAN WG1 Meeting #102 24th – 28th August 2020, Toulouse, France