**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:**

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**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 consideration.

**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 IEs that are necessary for ensuring proper UE behaviour in dormant BWP without conflict with agreed dormant BWP related behaviour as specified in 38.321 subclause 5.15.1. 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?**

RAN1 understand that the Scell BFR procedure for an Scell with dormant BWP may end with UE reporting of LRR/radio link quality. With this assumption, RAN1 does not identify any further issue.

**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?**

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

Potential scenarios for configured two different first non-dormant BWPs discussed in RAN1 includes: flexibility of configuration, different UE capabilities, different requirements etc. From other company’s perspective, the flexibility might not show benefit.

**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?**

A DCI reception error may happen but it can be detected and fixed by the network.

**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 could be supported if tci-StatesPDCCH-ToAddList or equivalent configuration is provided for a dormant BWP.

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

Current RAN1 specification does not preclude dormant BWP having the same index as default 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