**3GPP TSG-RAN WG2 Meeting #113e R2-21XXXXX**

**Electronic Meeting, 25th Jan – 5th Feb 2021**

**Title: [Draft]** LS Reply on RRC based BWP switch

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

**Source:** Apple Inc [To be RAN2]

**To:** RAN WG4

**Cc:**

**Contact Person:**

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**Attachments:**

1. **Overall Description:**

RAN2 thanks RAN4 for their enquiry on the topic of RRC based BWP switching and would like to provide the below responses to the questions asked.

1. On whether RRC reconfiguration can change any parameter of the already active BWP of an activated SCell or SpCell.

**Response:** According to the RAN2 specificationthe NW can change any parameters of an already active BWP of an SPCell or an SCell with the exception that the modification of *firstActiveDownlinkBWP-Id* and *firstActiveUplinkBWP-Id* for an SCell is not allowed (for both Rel-15 and Rel-16), unless performed by first releasing and subsequently adding an SCell.

1. On whether the RRC reconfiguration without modification of *firstActiveDownlinkBWP-Id* or *firstActiveUplinkBWP-Id* for an activated SCell or SpCell can trigger a BWP switch.

**Response:** RAN2 confirms that an RRC message with a *firstActiveDownlinkBWP-Id* and *firstActiveUplinkBWP-Id* that is different from the UE’s current BWP ID, results in a BWP switch for an SpCell. And in Rel-15 or in Rel-16, the BWP switching for SCell using RRC message is not be possible.

RAN2 has not specified if the reconfiguration of any parameters (with the exception of firstActiveDownlinkBWP-Id or firstActiveUplinkBWP-Id as mentioned earlier) of an already active BWP of an SPCell or an Scell constitutes a BWP switch or not.

RAN2 confirms that it is also possible that an SCell can be released and added again with a different BWP in a same RRC message, but this does not constitute a BWP switch according to RAN2 understanding.

Furthermore, RAN2 would like to inform RAN4 that during the RRCResume/RRCSetup procedure for the PCell, the active BWP parameters for the UE may be reconfigured or the BWP can be switched.

**2. To RAN WG2 group.**

**ACTION:** RAN2 requests RAN4 to take the above responses into consideration.

**3. Date of Next TSG-RAN WG4 Meetings:**

TSG RAN WG2 Meeting #113-bis-e Apr 12 – 20 , 2021 Online

TSG RAN WG2 Meeting #114-e May 19– 27 , 2021 Online