**3GPP TSG-RAN WG2 Meeting #109e R2-20xxxxx**

**E-meeting, 24th Feb – 6th Mar 2019**

**Title:** LS on the applicability of UE capabilities for NE-DC

**Response to:** -

**Release:** Release 15

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

**Source:** TSG RAN WG2

**To:** TSG RAN WG1

**Cc:** -

**Contact Person:**

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**Attachments:** -

1. **Overall Description:**

RAN2 has discussed the missing UE capabilities for NE-DC only band combination, and decided to fix the ASN.1 problem in Rel-15 TS 38.331.

Regarding UE capability *dl-1024AQM-TotalWeightedLayers*, it was introduced based on RAN1’s LS(R2-1908429/R1-1907628), and the LS indicates the feature is only applicable to the LTE part of EN-DC case. However, during RAN2’s discussion, some companies concerned whether this feature can also be applicable to the LTE part of NE-DC band combinations. So RAN2 would like to ask RAN1 to confirm whether *dl-1024AQM-TotalWeightedLayers* can be signaled for NE-DC case.

Similarly, for UE capability *fd-MIMO-TotalWeightedLayers*, the definition in TS 38.306 also indicates it applies to the LTE part of EN-DC. Thus RAN2 would like to know whether this feature can be signaled for NE-DC as well.

**2. Actions:**

**To RAN1.**

**ACTION:** RAN2 respectfully asks RAN1 whether the UE feature *dl-1024AQM-TotalWeightedLayers* and *fd-MIMO-TotalWeightedLayers* need to be signaled for the LTE part of NE-DC band combination.

**3. Date of Next TSG-RAN WG2 Meetings:**

3GPP RAN2#109bis 20th – 24th April 2020 Sapporo, Japan

3GPP RAN2#110 25th – 29th May 2020 Athens, GR