3GPP TSG-RAN WG3 #109-e R3-20XXXX

17-28 August 2020

Online

**Title: [draft]** Band selection and indication on single connectivity

**Response to:** -

**Release:** Rel-16

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

**Source:** RAN3

**To:** TSG RAN2

**Cc:**

**Contact Person:**

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**1. Overall Description:**

RAN3 has discussed the band selection scenario as below:

There is a cell with multiple overlapping bands, e.g., two overlapping bands, n2 and n25. Also, let’s assume there are UEs that can access both such bands. A UE selects the first band in the frequencyBandList (broadcast in SIB1) that it supports, according to supportedBandListNR reported in UE-NR-Capability. The gNB-DU may decide to select another band of the current serving cell for UE. When this happens, the gNB-DU needs to inform the gNB-CU of such change of selected band (note that the gNB-CU is not assumed to decode the CellGroupConfig IE). RAN3 has discussed whether the gNB-DU can indicate to the gNB-DU the new band selected for the UE via the Selected BandCombinationIndex over F1.

RAN3 kindly requests RAN2 to confirm that it is possible for the network to change the band on which the UE is served in the scenario described. RAN3 would also like to ask whether the Selected BandCombinationIndex, as defined in TS38.331, can be used to indicate to the gNB-CU the new single band selected by the gNB-DU in the scenario described. Alternatively to the use of the BandCombinationIndex, RAN3 has also discussed the possibility of using an explicit band indicator IE from gNB-DU to gNB-CU, which could be used as an alternative solution.

**2. Actions:**

**To RAN2 group:**

**ACTION:** RAN3 kindly asks RAN2 to address the questions in this LS.

**3. Date of Next TSG-RAN3 Meetings:**

TSG-RAN3 Meeting #110-e 2nd- 12th Nov. 2020