**3GPP TSG RAN WG2#122 R2-2306666**

**Incheon, Korea, 22th – 26th May, 2023**

Title: DRAFT LS on common signaling in (C)HO

Response to: -

Release: Release 18

**Work Item: NR\_NTN\_enh-Core**

Source: OPPO (to be RAN2)

To: RAN3

Cc:

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Attachments: None

**1. Overall Description:**

For mobility enhancement in Rel-18 NR NTN, RAN2 has considered the solutions for source cell to broadcast in advance *servingCellConfigCommon* from the target cell (as common (C)HO signalling) in order to save signalling overhead in the handover command. During RAN2’s discussion, some companies commented that this may have RAN3 impact, e.g., for the inter-gNB handover case, the target cell’s *servingCellConfigCommon* might need to be transferred to the source cell. To facilitate RAN2’s future work, RAN2 would like to seek response from RAN3 for the following questions.

Question-1: In case target cell’s *servingCellConfigCommon* needs to be broadcasted in the source cell, can the target cell’s *servingCellConfigCommon* and its updated version be transferred to the source cell in the inter-gNB handover case?

Question-2: If Question-1 is confirmed as feasible, is it possible that it can be supported without any RAN3’s standard impact (e.g. via OAM)? If not possible, can RAN3 make the corresponding change in Rel-18?

**2. Actions:**

**To** **RAN3**

**ACTION:** RAN2 respectfully asks RAN3 to provide response to the above questions.

**3. Date of Next RAN2 Meetings:**

3GPP RAN2#123 21 - 25 August 2023 Toulouse, FR

3GPP RAN2#123-bis 09 - 13 October 2023 Xiamen, CN