**3GPP TSG-RAN WG2 Meeting #114 Electronic DRAFT R2-210xxxx**

**Online, 19 – 27 May 2021**

**Title:** LS on Topology Adaptation enhancements

**Response to:** R2-2102638 (R3-211331), R2-2100040 (R3-207198),

**Release:** Release 17

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

**Source:** TSG RAN WG2

**To:** TSG RAN WG3

**Cc:**

**Contact Person:**

#### Name: Malgorzata Tomala

E-mail Address: malgorzata.tomala@nokia.com

**Send any reply LS to: 3GPP Liaisons Coordinator,** [**mailto:3GPPLiaison@etsi.org**](mailto:3GPPLiaison@etsi.org)

**Attachments:** -

**1. Overall Description:**

RAN2 would like to thank RAN3 for the LS on CP-UP separation in Rel-17 IAB in R3-207198 and the LS on inter-donor topology adaptation in R3-211331.

For the CP-UP separation, RAN2 discussed two scenarios in R3-207198 and potential impacts to the specifications, and agreed the following:

* SRB2 can be used for F1-C transport in CP/UP-separation scenario 1 (FFS other cases).
* Split SRB2 can be used for F1-C transport in CP/UP-separation scenario 2 (FFS other cases).
* NR *DLInformationTransfer* and *ULInformationTransfer* messages can be enhanced to transfer F1-C related packets in CP/UP separation.
* A new IE named *DedicatedInfoF1c* can be defined to transfer F1-C related packets via NR RRC message.
* F1-C over RRC and F1-C over BAP should not be supported simultaneously on the same parent link.

For inter-donor topology adaptation, RAN2 discussed and agreed the following:

* RAN2 preference is to support inter-topology routing via BAP header rewriting based on BAP routing ID option 4.

**2. Actions:**

**To RAN3 group**

**ACTION:** RAN2 respectfully asks RAN3 to take the agreements into account.

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

3GPP RAN2#115-e from 2021-08-16 to 2021-08-27 Electronic Meeting

3GPP RAN2#116-e from 2021-11-01 to 2021-11-12 Electronic Meeting