**3GPP TSG RAN WG2#119bis electronic R2-221xxxx**

**Online, 10th-19th October, 2022**

Title: DRAFT LS on validity of assistance information

Response to: -

Release: Release 17

**Work Item: NR\_NTN\_solutions**

Source: OPPO (to be RAN2)

To: RAN1

Cc: -

**Contact Person:**

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Attachments: None

**1. Overall Description:**

Regarding RAN1’s agreement on serving cell’s Epoch time referring to the current SFN or the next upcoming SFN after the frame where the message indicating the Epoch time is received, RAN2 has discussed and thinks that there could be an issue with latency (e.g. for initial access) when Epoch time points to a future time and validity timer has not started.

To solve this issue, RAN2 kindly requests RAN1 to provide feedback on whether:

1. backwards propagation of satellite assistance information is needed, or
2. Epoch time for serving cell can point to a time in the past (for example, if Epoch time for serving cell will always refer to a frame nearest to the frame where the message indicating the Epoch time is received).

RAN2 have discussed if the issue with latency can be addressed by setting the Epoch time properly by the network (i.e. no spec changes) but there is no consensus on if this will solve the issue or if it can only mitigates the issue.

**2. Actions:**

**To** **RAN1**

**ACTION:** RAN2 kindly requests RAN1 to provide feedback to the above questions.

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

TSG-RAN WG2#120 2022-11-14 to 2022-11-18 Toulouse, FR

TSG-RAN WG2#121 2023-02-27 to 2023-03-03 Athens, GR