**3GPP TSG RAN WG4 Meeting #112bis R4-241xxxx**

**Hefei, Anhui, China, 14th – 18th October, 2024**

**Title:** Reply LS on common TA in a regenerative payload scenario

**Response to:** R2-2407623/R4-2414914

**Release:** Rel-19

**Study Item:** NR\_NTN\_Ph3-Core

**Source:** TSG RAN WG4

**To:** TSG RAN WG2

**Cc:** TSG RAN WG1

**Contact Person:**

**Name:** Shiyuan Wang

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**Attachments:** None

**1. Overall Description:**

RAN4 thanks RAN2 for their enquiry about whether in a regenerative payload scenario it would be a problem to stick to 0 as the minimum possible value for TA-Common or whether we should e.g. introduce negative values for ta-Common, and would like to provide the below response to the question asked.

**[RAN4]**

No consensus on whether there is an issue due to non-negative value for common TA or whether negative values should be introduced for ta-common.

Note: Most companies in RAN4 deem that there is no issue due to non-negative value for common TA.

**2. Actions:**

**To RAN2**

**ACTION:** RAN4 requests RAN2 to take the above responses and information into consideration.

**3. Date of Next TSG-RAN WG4 Meetings:**

TSG-RAN WG4 Meeting #113 18 Nov - 22 Nov 2024 Orlando, US

TSG-RAN WG4 Meeting #114 17 Feb - 21 Feb 2024 Athens, GR