**3GPP TSG RAN WG1 #104b-e R1-21xxxxx**

**e-Meeting, April 12th – April 20th, 2021**

**Title: [DRAFT]** LS on DL-AoD angle calculation enhancement

**Response to:**

**Release:** Rel-17

**Work Item:** NR\_pos\_enh

**Source:** XX [RAN1]

**To:** RAN2, RAN3

**Cc:**

**Contact Person:**

**Name:**

**Tel. Number:**

**E-mail Address:**

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

**Attachments:**

**1. Overall Description:**

During RAN1#104bis-e, the following agreement regarding DL-AoD angle calculation enhancement in Rel-17 was reached.

|  |
| --- |
| Agreement:  Regarding support of angle calculation enhancement for DL-AoD:   * Support gNB providing the beam/antenna information to the LMF.   + The gNB beam/antenna information can be provided to the UE for UE-based DL-AoD   + FFS: the details of contents of the beam/antenna information   + FFS: the details of how to provide the beam/antenna information.   + Note: The antenna information is related to reducing the overhead of beam information * Send an LS to RAN2/RAN3 regarding the option of angle report from gNB to LMF for UE-A DL-AoD requesting them to consider this option in Rel-17. |

**2. Actions:**

**To RAN2, RAN3**

**ACTION:** RAN1 respectfully requests RAN2/RAN3 to consider the option of angle report from gNB to LMF for UE-A DL-AoD in Rel-17.

**3. Date of Next TSG-RAN WG1 Meetings:**

TSG-RAN WG1 Meeting #105-e 10 – 27 May 2021 E-Meeting

TSG-RAN WG1 Meeting #106-e 16 – 27 August 2021 E-Meeting

TSG-RAN WG1 Meeting #106bis-e 11 – 19 October 2021 E-Meeting