**3GPP TSG RAN WG1 #107-e R1-2112880**

**e-Meeting, November 11th – 19th, 2021**

**Title: [DRAFT]** Draft LS on PRS processing window

**Response to:**

**Release:** Rel-17

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

**Source:** Moderator (Huawei) [to be RAN1]

**To:** RAN2, RAN3

**Cc:**

**Contact Person:**

**Name:** Su Huang

**Tel. Number:**

**E-mail Address:** huangsu2@huawei.com

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

**Attachments:**

**1. Overall Description:**

RAN1 discussed the PRS processing window for PRS measurement outside the measurement gap, and reached the following agreements in RAN1#107-e.

|  |
| --- |
| **Agreement**PRS processing window request to the gNB by the LMF is supported from RAN1 perspective.* + It is up to RAN3 to design the necessary information to be transferred in the NRPPa message.
	+ Note: It is up to gNB to determine the usage of measurement gap or PRS processing window
	+ Include it in the LS to RAN2 and RAN3.

**Agreement**For PRS processing window configuration and indication, at least the following mechanism is supported* + RRC (pre-)configuration for PRS processing window configuration and DL MAC CE activation for PRS processing window, respectively.

Include it in the LS to RAN2 and request RAN2 to decide whether DL MAC CE is feasible for this indication. |

**2. Actions:**

**To RAN2**

**ACTION:** RAN1 respectfully requests RAN2 to take above agreements on into account in their future work and decide whether DL MAC CE is feasible for indicating the activation of the PRS processing window.

**To RAN3**

**ACTION:** RAN1 respectfully requests RAN3 to take above agreements on the PRS processing window request to the gNB by the LMF into account and design the necessary information to be transferred in the NRPPa message.

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

TSG-RAN WG1 Meeting #107bis-e 17 – 25 January 2022 E-Meeting

TSG-RAN WG1 Meeting #108-e 21 February – 03 March 2022 E-Meeting