**3GPP TSG-RAN2#118e Meeting *R2-220xxxx***

**Electronic, 9th– 20th May, 2022**

**Title: Draft LS on *LocationMeasurementIndication* contents and measurement gap parameters**

**Response to: R4-2206789 (LS on R17 NR MG enhancements – Pre-configured MG)**

**Release:** Rel-17

**Work Items:** NR\_pos\_enh-Core, NR\_MG\_enh-Core

**Source:** Huawei, HiSilicon [to be RAN2]

**To:** RAN WG4

**CC:**

**Contact Person:**

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**Attachment:**

**1. Overall Description:**

In the LS from R4-2206789, it has been mentioned that the following has been agreed in R4

|  |
| --- |
| For PRS measurements within measurement gaps when a Pre-configured MG is provided by the network:   * RAN4 considers that a Pre-configured MG that is not always ON (activated) as determined from the signalling provided by the network, or if no such signalling is provided (i.e. autonomous rules are applied to determine the status of the Pre-configured MG), is not sufficient to perform PRS measurements. * In the above scenario, the UE will inform the network that it is going to start/stop PRS measurements with the configured Pre-configured MG by initiating the existing LocationMeasurementIndication procedure. |

Regarding the above agreements in R4, R2 would like to ask the following question:

When the UE autonomously activate/deactivate the pre-configured measurement gap by sending the RRC message *LocationMeasurementIndication*, we would like to understand:

* **Question1**:
  + whether the request for configuration in *LocationMeasurementIndication* can be un-ambiguously mapped to a certain pre-configured measurement gap?
  + whether anything needs to be added to the current contents of the *LocationMeasurementIndication*?
* **Question2**: whether the UE should only autonomously activate/deactivate the pre-configured measurement gap indicated by *LocationMeasurementIndication*?

**2. Actions:**

**To RAN WG4**

**ACTION:**

* RAN2 respectfully asks RAN WG4 to provide feedback on the questions above.

**3. Date of Next RAN WG2 Meetings:**

RAN2 #119-e 22– 26 August 2022 Electronic Meeting

RAN2 #120 14-18 November 2022