**3GPP TSG RAN WG1 #106-e R1-210zzzz**

**e-Meeting, August 16th – 27th, 2021**

**Title:** LS to RAN2 with update on RAN1 discussion for on-demand DL PRS

**Reply to:** R2-2106607 (R1-2106412)

**Release:** Rel-17

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

**Source:** Moderator (Intel Corporation) [To be RAN WG1]

**To:** RAN WG2

**Cc:**

**Contact Person:**

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

**Attachments:** None

**1. Overall Description:**

RAN1 has discussed the RAN2 LS on parameters for on-demand DL PRS support [R2-2106607].

The following agreements were made by RAN1

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| Agreement:   * The following lists of on-demand DL-PRS parameters are discussed/prepared by RAN1 and provided as input to RAN2:   + List#1: List of parameters for UE-initiated on-demand DL PRS request   + List#2: List of parameters for LMF-initiated on-demand DL PRS request * For the following lists of on-demand DL-PRS parameters, send an LS to RAN2 to check whether RAN2 would like RAN1 to send the list of parameters and request feedback as early as possible:   + List #3: List of parameters for UE-initiated on-demand DL PRS request associated with pre-configured set of on-demand DL PRS configurations   + List #4: List of parameters for LMF-initiated on-demand DL PRS request associated with pre-configured set of on-demand DL PRS configurations |

RAN1 discussion on List 3 and List 4 relates to the following FFS aspect in RAN2 LS [R2-2106607]:

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| The network can signal predefined PRS configurations to the UE and the UE can select one to request. FFS if the UE can request a configuration with different parameters and exactly which parameters are flexible. |

There are different views in RAN1 on whether Lists 3 and 4 need to be provided to RAN2.

**2. Actions:**

**To RAN2 group**

**ACTION:** RAN1 respectfully request RAN2 to provide feedback as early as possible whether RAN2 would like RAN1 to send the list of parameters for on-demand DL PRS request associated with pre-configured set of on-demand DL PRS configurations

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

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

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

TSG-RAN WG1 Meeting #107-e 11 – 19 November 2021 Electronic Meeting