**3GPP TSG RAN WG1 #112 R1-230xxxx**

**Athens, Greece, February 27- March 3, 2023**

**Title:** Draft LS on 1-symbol PRS

**Release:** Rel-18

**Work Item:** TEI-18

**Source:** 3GPP TSG-RAN WG1

**To:** 3GPP TSG-RAN WG2, WG3

**Cc:**

**Contact Person:**

#### Name: Chuangxin Jiang

E-mail Address: jiang.chuangxin1@zte.com.cn

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

**Attachments:** None

# 1. Description:

In RAN1#112 meeting TEI agenda, RAN1 has made the following agreement for NR positioning

* Introduce 1-symbol PRS with legacy comb sizes.
  + UE expects the suitable expected RSTD windows provided by LMF such that peak ambiguity is addressed. Otherwise no measurement accuracy requirements are expected to be met.
  + Not to define RAN4 RRM requirement, including core/performance in Rel-18
  + Send an LS to RAN2 and RAN3 to ask necessary signalling enhancements

As this agreement relates to RAN2 and RAN3 specifications at least including TS 37.355 and 38.455, this liaison informs RAN2 and RAN3 about this decision.

## 2. Actions:

**To RAN2 group:**

**ACTION:** RAN1 respectfully asks RAN2 and RAN3 to take the agreement into account in their Rel-18 specification updates.

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

TSG-RAN WG1 Meeting #112-bis-e April 2023 Online

TSG-RAN WG1 Meeting #113 May 2023 Incheon