**3GPP TSG-2 Meeting #R2-21xxxx**

**Online, 16-26 August 2021**

**Title: [**Draft]Reply LS on determination of location estimates in local co-ordinates

**Response to:** LS on determination of location estimates in local co-ordinates

**Release:** Rel-17

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

**Source:** Ericsson [to be RAN2]

**To:** SA2

**Cc:** RAN1, RAN3

**Contact Person:**

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

**Attachments:**

**1. Overall Description:**

RAN2 discussed the question raised by SA2 if determination of local co-ordinates would be limited to certain positioning methods.

RAN2 believes that local coordinates can be used for all RAT dependent position methods and some RAT independent position methods (e.g. WLAN) without a translation into or out of global coordinates.

However, for some RAT independent position methods like A-GNSS, RAN2 understanding is that an LMF would need to perform a translation from global co-ordinates to local co-ordinates. Given this, there are not any positioning methods which needs to be excluded.

However, RAN2 would like to understand whether SA2 expects there may be potential LPP impacts such as providing the local co-ordinates to the UE. In such case, RAN2 may need to discuss this further as there will be potential RAN2 Impacts

**2. Actions:**

**To SA2**

**ACTION:** RAN2 kindly asks SA2 to take the above into account and would kindly request to provide the feedback.

**3. Date of Next TSG-RAN WG3 Meetings:**

TSG-RAN WG2 Meeting #116-e November 2021 E-Meeting

TSG-RAN WG2 Meeting #116bis-e January 2022 E-Meeting