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

**Electronic, 9th– 20th May, 2022**

**Title: Draft LS on GNSS integrity**

**Response to:**

**Release:** Rel-17

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

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

**To:** SA WG1, SA WG2

**CC:**

**Contact Person:**

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**Attachment:**

**1. Overall Description:**

In R17 positioning enhancement, RAN have worked on GNSS integrity. More specifically:

* On the use case and their KPIs of GNSS integrity, the agreements have been captured in Section 9.2 of TR 38.857.
* On the procedural aspects of GNSS integrity,
  + We think that the Target Integrity Risk should come from the service layer for LCS request. For the signaling from the LMF to the UE, this has been captured in the LPP spec TS 37.355 in Section 6.4.2 under CommonIEsRequestLocationInformation;
  + We also think that the Protection Level and Achievable Target Integrity Risk should be transferred to the service layer for LCS response. For the signaling from the UE to the LMF, this has been captured in LPP spec TS 37.355 in Section 6.4.2 under CommonIEsProvideLocationInformation.

**2. Actions:**

**To SA WG1, WG2**

**ACTION:**

* RAN2 respectfully asks SA WG1/WG2 to take the above into account in their future work.

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

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

RAN2 #120 14-18 November 2022