**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.
* The GNSS integrity principle and procedural aspects have been specified in TS 36.305/38.305, section 8.1.1a, 8.1.2, and 8.1.3.3.
	+ The signaling from the LMF to the UE has been captured in the LPP spec TS 37.355 in Section 6.4.2 under CommonIEsRequestLocationInformation and 6.5.2 under A-GNSS Positioning;
	+ The signaling from the UE to the LMF has been captured in LPP spec TS 37.355 in Section 6.4.2 under CommonIEsProvideLocationInformation.

**2. Actions:**

**To SA WG1, WG2**

**CC CT WG4**

**ACTION:**

* RAN2 respectfully asks SA WG1/WG2 t and CT WG4 o 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