**3GPP TSG-RAN WG2 Meeting #119 Electronic DRAFT R2-220xxxx**

**Elbonia, 17 – 26 May 2022**

**Title: [DRAFT]** LS on Pose Information for XR

**Release:** Release 18

**Work Item:** FS\_NR\_XR\_enh

**Source:** Nokia [TSG RAN WG2]

**To:** TSG SA WG4

**Cc:** TSG SA WG2, TSG RAN WG1

**Contact Person:**

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

**1. Overall Description:**

RAN2 has started a study item to investigate the support of XR services [[RP-221079](http://3gpp.org/ftp/tsg_ran/TSG_RAN/TSGR_96/Docs/RP-221079.zip)] and has noticed that for UL pose information, SA4 TR [26.928](http://www.3gpp.org/ftp/Specs/html-info/26928.htm) states that "*XR applications require highly accurate, low-latency tracking of the device at about 1kHz sampling frequency.*"

In order to understand how the uplink of XR would look like, RAN2 would like to know if there is any relationship between the sampling frequency mentioned above and the number of individual packets that need to be carried over the air interface per second. RAN2 would also like to understand the characteristics of those packets (PDB, PER and number of flows).

**2. Actions:**

**To SA4 group.**

**ACTION:** RAN2 respecfully asks SA4 for clarification on uplink pose information including the periodicity, PDB, PER, and potential impacts on burst size, XR traffic periodicity and number of flows.

**3. Date of Next TSG-RAN WG2 Meeting:**

RAN2#119bis-e from 2022-10-10 to 2022-10-19 Online

RAN2#120 from 2022-11-14 to 2022-11-18 Toulouse, France