**SA WG2 Meeting #153e S2-2208533r07**

**10 – 17 October 2022, e-Meeting (revision of S2-220xxxx)**

**Source: Qualcomm Incorporated**

**Title: KI#1: Conclusions**

**Document for: Approval**

**Agenda Item: 9.10**

**Work Item / Release: FS\_eLCS\_Ph3 / Rel-18**

*Abstract of the contribution: Proposes conclusions for KI #1.*

1. Introduction

Conclusions for KI #1 in TR 23.700-71 for KI #1 are provided here.

2. Text Proposal

The following text is proposed to be applied to TR 23.700-71.

\*\*\* First Change (all new) \*\*\*

8.1 Key Issue #1: Architectural Enhancement to support User Plane positioning

- A user plane connection may be used between a UE and LMF with the following properties.

* The UE uses the URSP which includes user plane positioning related PDU session parameters (e.g., DNN and S-NSSAI) to establish the PDU session for user plane positioning.
* It is LMF to decide whether to use user plane or control plane positioning mode when receiving positioning requests from AMF.
* If LMF decides to utilize user plane positioning, the LMF sends its UP positioning address and security related information to UE to trigger the UP connection if it is not available.
* LMF and UE may maintain the established user plane connection between UE and LMF for subsequent LCS session. Protocol to be used for User Plan connection shell be decided by SA3 and by Stage 3 based on considering the proposed alternatives:

- The user plane connections can be supported using other transport decided by stage 3 and common security procedures and protocol to be determined by SA3.

- As per both TS 38.305 from RAN and TS 23.271 for GERAN/UTRAN/E-UTRAN, the continuous User Plane work aligned with both RAN and 2G/3G/4G may use solution#2.

- The UP connection between UE and LMF supports LPP message transfer and Supplementary service.

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\*\*\* End of Changes \*\*\*