**3GPP TSG-CT WG1 Meeting #146C1-24XXXX**

**Online, 22– 26 January 2024**

**Source: Huawei, HiSilicon**

**Title: EN resolution on defining additional LCS-UPP procedures**

**Spec: 3GPP TS 24.572 v1.0.0**

**Agenda item: 18.2.19**

**Document for: Agreement**

**1. Introduction**

This p-CR is to resolve an EN on defining additional UPP-CM procedures.

**2. Reason for Change**

In the current TS 24.572 sub 7.1, below EN is remained. Actually, the whole section 7 is defining procedures for LCS-UPP, not for LCS-UP connection management, which is covered in section 6. Hence, the wording "*e.g. for LCS-UP connection management*" in the EN is very confusing and needs to be removed.

*<Editor’s note: Additional LCS-UPP procedures between the LMF and the UE, e.g. for LCS-UP connection management, is FFS>*

**3. Conclusions**

**4. Proposal**

It is proposed to agree the following changes to 3GPP TS 24.572 v1.0.0.

\* \* \* First Change \* \* \* \*

## 7.1 Overview

The main function of the Location Services User Plane protocol (LCS-UPP) is to support generic transport between the UE and the LMF of messages of positioning related protocols:

a) LPP messages; and

b) location supplementary services messages, only including:

1) messages for EventReport operations (see 3GPP TS 24.080 [11]);

2) messages for PeriodicTriggeredInvoke operations (see 3GPP TS 24.080 [11]); and

3) messages for MSCancelDeferredLocation operations (see 3GPP TS 24.080 [11]).

LCS-UPP procedures are performed between a Location Services User Plane (LCS-UP) entity in a UE and an LCS-UP entity in the LMF.

The following UE-initiated LCS-UPP procedures are specified:

a) uplink LCS-UP transport procedure.

The following LMF-initiated LCS-UPP procedures are specified:

a) downlink LCS-UP transport procedure.

Editor’s note: Additional LCS-UPP procedures between the LMF and the UE is FFS.

The uplink LCS-UP transport procedures and the downlink LCS-UP transport procedures can be performed on the user plane connection of a PDU session via 3GPP access in 5GS as specified in clause 7.3.

LCS-UPP messages are transported in an IP packet according to clause 7.2.1.

LCS-UPP is a standard L3 protocol according to 3GPP TS 24.007 [7], LCS-UPP messages are standard L3 messages according to 3GPP TS 24.007 [7] and error behaviour specified for L3 protocol according to 3GPP TS 24.007 [7] applies for LCS-UPP.

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