**3GPP TSG-CT Meeting #103CP-233abc**

**Maastricht , NL, 18th – 19th March 2024**

**Title: Presentation of Specification to TSG:**

**TS 24.572, Version 1.2.0**

**Source: TSG CT WG1**

**Document for: Approval**

**Abstract of document:**

The specification specifies the protocols for User Plane Location Services (LCS) in 5G system as specified in TS 23.273 for 5G LCS secured user plane positioning connection between UE and LMF, LCS client or AF.

The specification defines the associated procedures for user plane positioning connection management and location services user plane protocol.

The specification also defines the message format, message contents, error handling and system parameters applied by the protocols for User Plane LCS in 5GS.

**Changes since last presentation to CT Meeting #101:**

1. Add the details of the UPP-CM procedures, e.g. procedure initiation, procedure accepted, abnormal case and so on. Modify missing messages in the UPP-CM procedures. Define the timers of UPP-CM.

2. Update the LCS-UPP procedures and add a mandatory IE (LCS session identity) in the LCS-UP messages.

**Outstanding Issues:**

CT1 sent the LS to SA2 in C1-241722 and waits for the reply from SA2.

A number of editor’s notes on different issues need to be solved.

**Contentious Issues:**

Resolution of the LCS user plane connection (waiting for SA2 to provide the solutions):

a) how to link the association between the TLS connection and the UE;

b) how the LMF associates the LCS service request to the TLS connection of the UE.

Change history of this document:

1999-11-17: original issue

2007-09-06: removal of references to Working Groups; bring names of TSGs up to date; correction of typo

2015-01-06: adds tdoc header & removes redundant information below