**3GPP TSG-CT Meeting #102CP-233abc**

**Edinburgh, GB, 11th – 12th December 2023**

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

**TS 24.577, Version 1.0.0**

**Source: TSG CT WG1**

**Document for: Information**

**Abstract of document:**

For the work item "Further Architecture Enhancement for UAV and UAM" (UAS\_Ph2) as agreed in CP-230330, 3GPP TS 24.577 specifies the protocols for aircraft-to-everything (A2X) communication for A2X services among the UEs over the PC5 interface and over Uu:

1. Configuration parameters for A2X communication, broadcast remote ID (BRID), direct detect and avoid (DDAA), direct C2 communication, and A2X communication over Uu,

2. Procedure for A2X policy provisioning,

3. A2X communication over PC5 procedure,

4. A2X communication over Uu procedure,

5. Broadcast remote ID (BRID) over PC5,

6 Direct detect and avoid (DDAA) over PC5, and

7 Direct C2 communication over PC5.

**Changes since last presentation to CT:**

This is the first presentation of TS 24.577 to CT Plenary.

**Outstanding Issues:**

1. How to set the A2X message family value for A2X MBS configuration.

2. The format of A2X MBS configuration SDP body

3. The details of the encoding of the A2X AS MBS configuration for receiving A2X local service information

4. CT1 impact for Ground-based DAA for an area

**Contentious Issues:**

None.

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