**3GPP TSG-CT WG1 Meeting #141eC1-232169**

**Online 17– 21 April 2023**

**Source: ZTE**

**Title: Pseudo-CR on procedures for direct C2 communication**

**Spec: 3GPP TS 24.577 v0.0.0**

**Agenda item: 18.2.21**

**Document for: Agreement**

**1. Introduction**

<Introduction part (optional)>

**2. Reason for Change**

Direct C2 communication related procedures should include the authorization for direct C2 communication procedure over Uu and the PC5 link management procedures over NR-PC5.

**3. Conclusions**

<Conclusion part (optional)>

**4. Proposal**

It is proposed to agree the following changes to 3GPP 24.577 v0.0.0.

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

## 9.2 Procedures

### 9.2.1 C2 authorization procedure for direct C2 communication

For a UAV supporting direct C2 communication, in order to request C2 authorization for direct C2 communication to the USS,

a) the UAV capable of N1 mode uses the UUAA-SM procedure during the PDU session establishment procedure or during the PDU session modification procedure for authorization of C2 communication as specified in 3GPP TS 24.501 [x]; or

NOTE 1: The authorization request for direct C2 communication can be included in the C2 authorization payload in the service-level-AA payload as defined in 3GPP TS 24.501 [x].

b) the UAV capable of S1 mode uses the UUAA-SM procedure during the PDN connectivity procedure or during the bearer resource modification procedure for authorization of C2 communication as specified in 3GPP TS 24.301 [y].

NOTE 2: The authorization request for direct C2 communication can be included in the C2 authorization payload in the service-level-AA payload parameter as defined in 3GPP TS 24.301 [y]

Editor's Note: If a UAV supporting direct C2 communication is, neither capable of N1 mode nor capable of S1 mode, or located where there is no 3GPP access coverage, how the UAV is authorized for direct C2 communication depends on SA2 conclusions.

### 9.2.2 Direct C2 communication procedures over NR-PC5

Editor's Note: This clause will describe C2 direct communication procedures and how they utilize the unicast mode of A2X communication specified in clause 6.1.2.

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