**3GPP TSG SA WG5 Meeting #156 *S5-244522***

**Maastricht, The Netherlands 19 - 23 August 2024**

**Source: China Mobile**

**Title: TR 28.853 Add definitions of terms, symbols and abbreviations**

**Document for: Approval**

**Agenda Item: 7.5.4**

# 1 Decision/action requested

***This is a pCR to add definitions of terms, symbols and abbreviations in TR 28.853.***

# 2 References

[1] 3GPP TR 28.853: "Charging management; Study on charging aspects of uncrewed aerial systems".

# 3 Rationale

This contribution proposes to add definitions of terms, symbols and abbreviations in TR 28.853.

# 4 Detailed proposal

The following changes are proposed to be incorporated into TR 28.853 [1].

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| **First change** |

3 Definitions of terms, symbols and abbreviations

3.1 Terms

For the purposes of the present document, the terms given in TR 21.905 [1] and the following apply. A term defined in the present document takes precedence over the definition of the same term, if any, in TR 21.905 [1].

**3GPP UAV ID:** Identifier assigned by the 3GPP system and used by external AF (e.g. USS) to identify the UAV. GPSI is used as the 3GPP UAV ID.

**CAA (Civil Aviation Administration)-Level UAV Identity:** a UAV identity assigned by USS/UTM, and uniquely identifies a UAV at least within the scope of a USS.

**Command and Control (C2) Communication:** the user plane link to deliver messages with information of command and control for UAV operation from a UAV controller or a UTM to a UAV or to report telemetry data from a UAV to its UAV controller or a UTM. C2 communication may be over Uu reference point or PC5 reference point.

**Uncrewed Aerial System (UAS):** Composed of Uncrewed Aerial Vehicle (UAV) and related functionality, including command and control (C2) links between the UAV and the controller, the UAV and the network, and for remote identification. A UAS is comprised of a UAV and a UAV controller.

**UAS NF:** a 3GPP UAS Network Function for support of aerial functionality related to UAV identification, authentication/authorization and tracking, and to support Remote Identification.

**UAS Service Supplier (USS):** An entity that provides services to support the safe and efficient use of airspace by providing services to the operator / pilot of a UAS in meeting UTM operational requirements. A USS can provide any subset of functionality to meet the provider's business objectives (e.g. UTM, Remote Identification). In the scope of this specification, the term USS refers to both USS and USS/UTM.

**UAS Traffic Management (UTM):** a system that can safely and efficiently integrate the flying UAV along with other airspace users. It provides a set of functions and services for managing a range of autonomous vehicle operations (e.g. authenticating UAV, authorizing UAS services, managing UAS policies, and controlling UAV traffics in the airspace).

**UAV controller:** The UAV controller of a UAS enables a drone pilot to control an UAV.

3.2 Symbols

For the purposes of the present document, the following symbols apply:

<symbol> <Explanation>

3.3 Abbreviations

For the purposes of the present document, the abbreviations given in TR 21.905 [1] and the following apply. An abbreviation defined in the present document takes precedence over the definition of the same abbreviation, if any, in TR 21.905 [1].

A2X Aircraft-to-Everything

C2 Command and Control

TPAE Third Party Authorized Entity

UAS Uncrewed Aerial System

UAV Uncrewed Aerial Vehicle

UAV-C/UAVC Uncrewed Aerial Vehicle Controller

USS UAS Service Supplier

UTM Uncrewed Aerial System Traffic Management

UUAA USS UAV Authorization/Authentication

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| **End of changes** |