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**Unique product identification code for civil unmanned aerial
vehicle**

民用无人机唯一产品识别码

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Unique product identification code for civil unmanned aerial vehicle

1 Scope

This document specifies the structure, identification method, and requirements for the product identification code of complete machine of civil unmanned aerial vehicle.

This document is applicable to the management of unique identification, life cycle and product traceability of complete-machine product of civil unmanned aerial vehicle.

2 Normative references

The contents of the following documents, through normative references in this text, constitute indispensable provisions of this document. Among them, for dated references, only the edition corresponding to that date applies to this document. For undated references, the latest edition (including all amendments) applies to this document.

GB/T 1988 Information technology - 7-bit Coded character set for information interchange

GB/T 18347 Code 128

GB/T 29768 Information technology - Radio frequency identification - Air interface protocol at 800/900 MHz

3 Terms and definitions

The following terms and definitions apply to this document.

3.1

Unmanned aerial vehicle; unmanned aircraft

An unmanned aircraft operated by remote control equipment or self-prepared program control device.

Note 1: Unmanned aircrafts include remotely-controlled aircraft, autonomous aircraft, and model aircraft, etc.

Note 2: Remotely-controlled aircraft and autonomous aircraft are collectively referred to as

The specific meanings of MFC, PMC and SN are as follows:

- a) MFC: MFC consists of 4-digit fixed-length characters. The characters shall be selected from Arabic numerals (0~9) and Latin capital letters (A~Z) except Latin capital letters "O" and "I", and combined. The combination can be in the form of Arabic numerals, Latin capital letters, a combination of Arabic numerals and Latin capital letters;
- b) PMC: PMC consists of 4-digit fixed-length characters. The characters shall be selected from Arabic numerals (0~9) and Latin capital letters (A~Z) except Latin capital letters "O" and "I", and combined. The combination can be in the form of Arabic numerals, Latin capital letters, a combination of Arabic numerals and Latin capital letters;
- c) SN: SN consists of 12-digit fixed-length characters. The characters shall be selected from Arabic numerals (0~9) and Latin capital letters (A~Z) except Latin capital letters "O" and "I", and combined. The combination can be in the form of Arabic numerals, Latin capital letters, a combination of Arabic numerals and Latin capital letters.

MFC and PMC are applied by the manufacturer of unmanned aerial vehicle to the management agency authorized by the administrative department. The SN is defined by the manufacturer of unmanned aerial vehicle itself.

6 Identification method

6.1 General

The unique product identification code can be identified by the fuselage nameplate, barcode, QR code, electronic tag, or radio broadcast, etc.

6.2 Barcode

When the unique product identification code is identified by barcode, the symbol structure shall comply with the provisions of GB/T 18347. In addition to being identified by barcode, the identification code shall also be clearly marked below the barcode.

6.3 QR code

When the unique product identification code is identified by the QR code, the symbol structure of the QR code shall use the QR code system specified by the relevant national standards. In addition to being identified by the QR code, the identification code shall also be clearly marked below the QR code.

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