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**NATIONAL STANDARD OF THE
PEOPLE'S REPUBLIC OF CHINA**

GB/T 44167-2024

General requirements for large cargo unmanned aircraft system

大型货运无人机系统通用要求

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3 Terms and definitions

The terms and definitions defined in GB/T 35018 and GB/T 38152 and the following apply to this document.

3.1 Cargo system A device used to transport cargo in and out of a drone's cargo hold and to secure cargo in a predetermined location.

Note. Usually divided into container freight system and bulk freight system.

4 Composition of large cargo drone system

Large-scale cargo drone systems (hereinafter referred to as "drone systems") generally consist of drone platforms (hereinafter referred to as "drones"), cargo systems, and It consists of a system, link system, ground station and support and maintenance equipment.

Note. The UAV, cargo system, link system, ground station and support and maintenance equipment of the UAV system are collectively referred to as subsystems.

5.1 Environmental adaptability

5.1.1 High and low temperatures The UAV system should be able to operate normally and store within the atmospheric environment temperature range specified by the user or relevant standards. Generally, the following requirements are met. Require.

- a) Flight environment temperature. $-40^{\circ}\text{C}\sim 50^{\circ}\text{C}$;
- b) Ground ambient temperature. $-40^{\circ}\text{C} \sim 55^{\circ}\text{C}$;