

## SMALL UNMANNED AIRCRAFT ORDER

## SPECIFICATION OF PARAMETERS FOR OPERATING REQUIREMENTS

(Made under sections 17(2) and 9(2) of the Small Unmanned Aircraft Order (Chapter 448G))

By virtue of the authority under section 17(2) of the Small Unmanned Aircraft Order, Chapter 448G, I hereby specify the parameters and matters for the operating requirements applicable to a small unmanned aircraft set out in section 16(1) of the said Order as follows:—

- (1) For section 16(1)(a) of the Order, the specified hours at which the aircraft is not operated for a flight are hours other than daylight hours. In this regard, daylight hours mean the time from half an hour before sunrise until half an hour after sunset (both points of time exclusive). Sunrise and sunset are determined at surface level.<sup>1</sup>
- (2) A visual line of sight is direct and unaided (other than by way of corrective lenses or sunglasses) visual contact with the aircraft and the surrounding airspace in which the aircraft is operating. For section 16(1)(b) of the Order, the specified way in which a visual line of sight is to be maintained with the aircraft is by:—
  - (i) the remote pilot of the aircraft, and/or
  - (ii) a visual observer, chosen by the remote pilot, who is at the same location as the remote pilot, has good eyesight and is capable of communicating timely and effectively with the remote pilot of the aircraft to avoid collision.
- (3) For section 16(1)(c) of the Order, the specified flying altitude not higher than which the aircraft is operated for a flight is 100 feet (ft) above ground level for Category A1 Aircraft and 300 ft above ground level for Category A2 Aircraft.<sup>2</sup>
- (4) For section 16(1)(d) of the Order, the specified flying speed of the aircraft at which the aircraft does not exceed for a flight is 20 kilometres per hour (km/hr) for Category A1 Aircraft, and 50 km/hr for Category A2 Aircraft.
- (5) For section 16(1)(e) of the Order, the specified distance between which, the aircraft which is a Category A1 Aircraft and any person who is not involved in the flight operations, measured horizontally and at any altitude, is not less than, is 10 metres (m).
- (6) For section 16(1)(e) of the Order, the specified distance between which, the aircraft which is a Category A2 Aircraft and any person who is not involved in the flight operations, measured horizontally and at any altitude is not less than, is 10 m (with the flying speed of the aircraft not exceeding 20 km/hr) or 30 m (with the flying speed of the aircraft exceeding 20 km/hr but not exceeding 50 km/hr).
- (7) For section 16(1)(f) of the Order, the specified distance between which, the aircraft which is a Category A1 Aircraft and any vehicle, vessel or structure that is not under the control of the remote pilot of the aircraft for the flight, measured horizontally and at any altitude is not less than, is 10 m.
- (8) For section 16(1)(f) of the Order, the specified distance between which, the aircraft which is a Category A2 Aircraft and any vehicle, vessel or structure that is not under the control of the remote pilot of the aircraft for the flight, measured horizontally and at any altitude, is not less than, is 10 m (with the flying speed of the aircraft not exceeding 20 km/hr) or 30 m (with the flying speed of the aircraft exceeding 20 km/hr but not exceeding 50 km/hr).
- (9) For section 16(1)(i) of the Order, nothing is to be dropped from the aircraft during the flight under any circumstance.
- (10) For section 16(1)(j) of the Order, the specified number of unmanned aircraft no more than which the remote pilot of the aircraft for the flight operates is one.
- (11) For section 16(1)(k) of the Order, the specified dimension of which the aircraft (including everything installed in, carried by or attached to the aircraft) does not exceed at all times during the flight is 1 m, except that the longest distance between any two rotor blade tips can be up to 1.2 m.

By virtue of the authority under section 9(2), for section 9(1)(d) of the Order, the specified flying altitude not higher than which the aircraft is operated is the same as paragraph 1(3) above.

The Safety Requirements Document issued under section 63 of the said Order contains more information on the above parameters or matters specified for the operating requirements set out in section 16(1).

The specifications made in this notice shall come into effect on 1 June 2022.

18 March 2022

Victor LIU *Director-General of Civil Aviation*

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1 With reference to the definition of 'day' in the Air Navigation (Hong Kong) Order, Chapter 448C.

2 For the purpose of this paragraph, 'above ground level' means the altitude at which an aircraft flies from a point on the ground (including Earth's surface or water surface). The 'altitude' of the aircraft is referenced from the closest point of the ground.