



Australian Government

Civil Aviation Safety Authority

Instrument number CASA EX224/15

I, MARK ALAN SKIDMORE, Director of Aviation Safety, on behalf of CASA, make this instrument under regulation 11.160 of the *Civil Aviation Safety Regulations 1998 (CASR 1998)*.

[Signed Mark Skidmore]

Mark Skidmore AM
Director of Aviation Safety

24 December 2015

Exemption — operation of UAV at night (UAS Pacific Pty Ltd)

1 Application

This instrument applies to the operation of a remotely piloted multi-rotor (the *UAV*) by UAS Pacific Pty Ltd, Aviation Reference Number (*ARN*) 805473 (the *operator*), when used for aerial work.

2 Definitions

In this instrument:

Chief Controller means Russell John Griffiths, ARN 825099.

UAV Controller means the Chief Controller, or a person authorised by the Chief Controller, to operate the UAV in accordance with clauses 1 and 2 of Schedule 1.

3 Exemption

The operator is exempt from paragraph 101.095 (1) (b) of CASR 1998 when operating the UAV.

4 Conditions

The exemption is subject to the conditions mentioned in Schedules 1 and 2.

5 Expiry

This instrument expires at the end of February 2017, as if it had been revoked by another instrument.

Schedule 1 General operational conditions

- 1 The UAV may only be operated by:
 - (a) the Chief Controller; or
 - (b) a person authorised by the Chief Controller.

- 2 Before authorising a person to operate the UAV, the Chief Controller must be satisfied that the person:
 - (a) has the knowledge and practical abilities to operate the UAV; and
 - (b) has received appropriate training and testing in relation to the operation of the UAV; and
 - (c) has been approved by the operator to operate the UAV in accordance with the operator's operations manual and this instrument.
- 3 The operator's operations manual must include procedures for:
 - (a) appropriate training and testing of each UAV Controller in relation to the operations conducted under this exemption; and
 - (b) recording details of the training and testing undertaken by each UAV Controller; and
 - (c) keeping training and testing records for a period of 2 years.
- 4 CASA may test a UAV Controller on his or her knowledge and practical abilities to operate the UAV in accordance with this instrument.
- 5 Subject to clause 6, the operator must conduct operations in accordance with its operations manual.
- 6 In the event of an inconsistency between a provision of the operator's operations manual and this instrument, this instrument prevails to the extent of the inconsistency.
- 7 Details of this instrument must be included in the operator's operations manual.

Schedule 2 Night operational conditions

- 1 Before any operation under this exemption, a risk assessment must be carried out by the UAV Controller in accordance with the operator's operations manual.
 - 2 The UAV must have orientation lighting, such as LED lights on the front and rear arms of the UAV.
 - 3 Take-off and landing areas must be illuminated, for example, by portable lighting or airfield lighting, so that the position and orientation of the UAV can be established and maintained by visual reference by the UAV Controller.
 - 4 Ground station software must be used to assist in assessing the UAV's position.
 - 5 The UAV Controller must ensure that:
 - (a) visual line of sight contact with the UAV is maintained at all times; and
 - (b) the UAV is only operated in V.M.C.
 - 6 The operator must not operate the UAV outdoors:
 - (a) in rain; or
 - (b) if thunderstorms are observed or reported within 5 kilometres of the location of the proposed operation.
 - 7 The UAV must be a multi-rotor UAV fitted with all of the following:
 - (a) equipment for a GPS hold and return to home function;
 - (b) equipment for a GPS lock with a minimum of 7 GPS satellites.
-