



Australian Government
Civil Aviation Safety Authority

Instrument number CASA EX102/11

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

John F. McCormick
Director of Aviation Safety

09 September 2011

Exemption — operation of an unmanned free balloon

1 Application

This instrument applies to the release of an unmanned free meteorological balloon by Robert Francis Brand of 13 Arthur Street, Leichhardt, NSW (the *operator*) or a person under his direct supervision.

2 Exemption

The operator is exempt from compliance with the provisions of CASR 1998 mentioned in Schedule 1 when operating an unmanned free meteorological balloon.

3 Conditions

The exemption is subject to the conditions mentioned in Schedule 2.

4 Expiry

This instrument stops having effect at the earlier of:

- (a) the end of September, 2011; or
- (b) the completion of 1 flight by the balloon.

Schedule 1 CASR 1998 provisions

101.165	101.170	101.175	101.180
101.185	101.190	101.195 (2) (b)	101.210
101.215	101.220	101.225	101.230

Schedule 2 Conditions

- 1 The operation may only be conducted using a Totex TA 350 meteorological balloon carrying a payload with a mass of not more than 600 grams (the *balloon*).
 - 2 The payload must be contained in a box constructed of polystyrene foam with a wall thickness of at least 15 millimetres.
 - 3 The payload must include a Global Positioning System (GPS) receiver interfaced with a suitable digital communications system that will provide real-time position and altitude information to monitoring ground stations.
 - 4 The balloon must be released from a suitable area at Goolgowi, NSW, located at approximately 33°58'S, 145°41'E.
 - 5 The operator must notify CASA, in writing, at least 2 working days before releasing the balloon so that a NOTAM containing details of the proposed operation, including the expected landing site, can be published.
 - 6 The notification mentioned in clause 5 must include the information required by Table 101.160 of Part 101 of CASR 1998.
 - 7 The operator must contact Melbourne Air Traffic Control Centre (the *Melbourne Centre*) on telephone (03) 9235 7420 not less than 30 minutes before the release of the balloon and comply with any instructions or conditions imposed by the Melbourne Centre.
 - 8 The balloon may be released only by the operator or by a person under the direct supervision of the operator.
 - 9 The operator must continuously monitor the position and altitude of the balloon using the information provided by the system described in clause 3.
 - 10 The operator must advise Melbourne Centre if the projected landing site differs from the planned landing site by more than 100 kilometres.
 - 11 The operator must monitor mobile telephone number 0408 007 533 at least 30 minutes before releasing the balloon and continue the monitoring until after the balloon has returned to the surface.
 - 12 The operator must ensure that the operation is conducted in accordance with Part 101 of CASR 1998, other than the provisions mentioned in Schedule 1, as if the balloon were a light balloon.
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