

# Airworthiness Directive

## Pacific Aerospace Fletcher FU24 Series Aircraft



Issued by the Civil Aviation Authority of New Zealand in accordance with section 72I(3A) of the Civil Aviation Act. An Airworthiness Directive (AD) contains regulatory information which is mandatory. An operator of an aircraft must not operate the aircraft unless the operator complies with every applicable AD issued by the Director in accordance with section 72I(3A) of the Civil Aviation Act. An AD is issued where the Director believes on reasonable grounds that an unsafe condition exists in an aircraft or aeronautical product.

### DCA/FU24/182 Standard Category Aircraft – Parachuting Operations

- Applicability:** All turbine powered FU24 series aircraft with a Standard Category Airworthiness Certificate and used for parachuting operations.
- Note 1:** DCA/FU24/182 supersedes the requirements in DCA/FU24/179.
- Requirement:** To prevent operation outside of the C of G envelope which can result in loss of aircraft control, accomplish the following:
1. For every parachuting flight accomplish the following:
    - a. A weight and balance calculation is performed to establish that the aircraft C of G will remain within AFM limits for the duration of the flight, and
    - b. The calculation uses actual weights for all occupants and their equipment, and
    - c. A record of the C of G determination is kept for each parachuting operation.
  2. Add fuselage station markings in the cabin of the aircraft to aid in determining weight and balance positions in accordance with acceptable technical data. Insert a Flight Manual Supplement specifically approved for parachuting operations for the aircraft, which must contain detailed information for determining the weight and balance of the aircraft. The operator must ensure that aircraft crew are aware of the AFM Supplement.
- Note 2:** CAA approved AFM supplement AIR 2672-FMS-P1 for the FU24 series aircraft with STC 98/21E/15 embodied and CAA approved AFM supplement AIR 2817-FMS-P1 for FU24 series aircraft with STC 3/21E/1 embodied are an acceptable means to comply with requirement 2 of this AD.
- Note 3:** Copies of the CAA approved AFM supplements can be obtained from [flight.manuals@caa.govt.nz](mailto:flight.manuals@caa.govt.nz)
- Note 4:** Requirement 1 of this AD may be accomplished by adding the weight and balance calculation requirement for every parachuting flight to the tech log.  
(NZ Occurrence 10/3403 refers)
- Compliance:**
1. From 11 September 2012 (the effective date of DCA/FU24/179).
  2. By 25 November 2012.
- Effective Date:** 25 October 2012
- Background:** This AD with effective date 25 October 2012 supersedes the requirements in DCA/FU24/179. DCA/FU24/182 is applicable to turbine powered Fletcher FU24-950/954/950M & FU24A-950/954/950M series aircraft modified for parachuting operations. This AD requires fuselage station markings in the cabin of the aircraft to aid in determining weight and balance positions in accordance with acceptable technical data. The AFM must also have a Flight Manual Supplement specifically approved for parachuting operations for the aircraft, which must contain detailed information for determining the weight and balance of the aircraft.

A handwritten signature in black ink, appearing to read 'Owen Olls', is written over a light grey circular stamp.

Owen Olls  
Airworthiness Specialist  
Delegate of the Civil Aviation Authority of New Zealand

25 October 2012