
Type Acceptance Report

TAR 0/21B/15

Sidney Conn (Balloon Works) Firefly 10

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Introduction

This report details the basis on which Type Acceptance Certificate No.0/21B/15 was granted in the * category in accordance with NZCAR Part 21B Subpart B.

Specifically the report aims to:

- (a) Record the airworthiness certification standard used for type acceptance of the applicable model(s) in New Zealand;
- (b) Summarise any outstanding requirements which must be complied with for the issue of a NZ Airworthiness Certificate to any models covered by the Type Acceptance Certificate.

Foreign Type Certificate Details

Type Certificate: A14SO
Issued by: FAA
Manufacturer: Sidney Conn (Balloon Works)
Model: Firefly 10
Engines: N/A
Propellers: N/A
MCTOW 3600 lbs
Noise Category: N/A

The certification basis of the Firefly 10 is FAR 31 effective July 1 1964 through amendment 31-2 effective April 12 1965.

This is an acceptable certification basis in accordance with NZCAR Part 21B Para §21.41. There are no non-compliances listed on the TCDS and no special conditions have been prescribed by the Director under 21.23.

Type Acceptance Application

The application for New Zealand type acceptance was by CAA Form 24021/02 from Max Imstempf (client number 55189), owner of Firefly 10 s/n F10-020, dated 24/01/2000.

Type Acceptance Certificate No.0/21B/15 was granted on 24/03/2000.

Type Data

The type data requirements of NZCAR Part 21B Para §21.43 have been satisfied by supply of the following documents:

- (1) Type certificate: FAA TC A14SO and associated TCDS dated 15/11/1999
- (2) Airworthiness design requirements: Already held by the CAA.
- (3) Certification compliance listing: FAR 31 Compliance Checklist dated 20/10/92.
- (4) Flight manual: Firefly 10 FAA Approved Balloon Flight Manual CAA Accepted as AIR 2691
- (5) Illustrated Parts Catalogue: Data included in Maintenance Manual.
- (6) Maintenance manual and service information: The Balloon Works Maintenance & Repair manual (all models) Revision G dated Feb 1997 (re-typed 4/6/99); Service Letter L1 to L21; Service Bulletins 1 to 31.
- (7) Agreement from manufacturer to supply updates of data in (4), (5) and (6): CAA 2171 form from Sidney Conn, Vice President dated 9/3/2000.

Additional New Zealand Certification requirements

There are no additional NZ requirements applicable to manned free balloons.

Summary

Type Acceptance Certificate No. 0/21B/15 has been granted to the Firefly 10 and all serial numbers are now eligible for the issue of a New Zealand Airworthiness Certificate in the Standard Category in accordance with CAR §21.177.

Sign off

Peter Gill
Airworthiness Engineer

Date: 24 March 2000