UNITED KINGDOM
CIVIL AVIATION AUTHORITY

BA8
Issue 14
November 2011
BRITTEN-NORMAN LTD
ISLANDER BN2T-2, -2R

TYPE CERTIFICATE DATA SHEET NO. BA8

This data sheet is part of CAA type Certificate No.BA8 and gives the basis upon which the Certificate was issued, together with other information to define the product.

TYPE CERTIFICATE HOLDER: Britten-Norman Aircraft Ltd
The Airport,
Bembridge
Isle of Wight
PO35 5PR

MANUFACTURER: Britten-Norman Aircraft Ltd

AIRCRAFT TYPE/ MODEL Nos. Islander BN2T-2,-2R

TYPE DESIGN DEFINITION:

BN2T-2	NB-M-1452
BN2T-2R	NB-M-1359 Appendix 2

INVESTOR IN PEOPLE

CERTIFICATION BASIS

The following requirements were the basis of certification of the BN2T-2 and BN2T-2R design:

BCAR Section D -

Aeroplanes - Issue 6 dated 1 November 1963, sub-sections D3 (except D3-5) and D4, except that D4-2 paragraph 3.2.2 Bird Impact Requirement is met with a 2lb bird which is the equivalent of the BCAR Section K Chapter 4.2 paragraph 3.2.2. requirement and Section D requires compliance at cruise speeds as well as climb and descent.

BCAR Section K -

Light Aeroplanes - Issue 6 dated l0 April 1974 sub-section Kl, K2, K5, K6 and K7(BCAR 23.145(b)(6) was accepted in lieu of BCAR K2-10, 2.1.4 for the BN2T-2R)

BCAR Section N -

Noise - Issue 5 dated l August 1990.

BCAR Section R -

Radio - Issue 4 dated 10 April l974.

BCAR 23 -

Light Aeroplanes - Issue 1 dated December 1987, paragraphs 23.471 to 23.511 inclusive and 23.629.(Plus 23.145(b)(6) for the BN2T-2R)

BCAR Blue Papers:

K600 5 April l982	Powerplant Installations -Cooling System
647 2l Nov 1979	Seats, Safety Belts & Harnesses
673 10 March 1978	Pilot Intercommunication in Light Aeroplanes
K706 3l August 1988	Electrical Supply, Systems & Equipment (Replacing BCAR Section J)
731 l August l979	Gyroscopic Rate of Turn Indicators
738 19 Sept 1979	Amendments to Achieve Consistency with Section N.
K741 l8 April 1984	Autopilots and Flight Directors
K775 5 April l982	Installation Assumptions Involved in Engine Certification
K789 27 Feb 1985	Landing Distances

CAA Airworthiness Notices:

5 Issue l, l April l972	Tyre Wear Limitations
11 Issue 8, l Nov l983	Acceptance of Aeronautical Parts
33 Issue 3, l Feb l972	Unprotected Starter Circuits in Aircraft not exceeding 12,500 lb
36 Issue 9, 2 Oct 1981	Mandatory Modifications & inspections
39 Issue 4, 16 Sept 1988	Selection of Procurement of Electronic Components
40 Issue l, l Nov l966	Carbon Monoxide Contamination in Aircraft
41 Issue 8, 2 Oct l981	Maintenance of Cockpit & Cabin Combustion Heaters and their associated Exhaust Systems.
42 Issue 1, 20 July l979	Internal Emergency Lighting System
45 Issue l, l Nov l983	Software Management
45A Issue l, l July l986	Software Management & Certification Guidelines
53 Issue l, 26 June l970	Vertical Speed Indicators on Imported aircraft.
54 Issue l, 26 June l970	Instruments with Unusual Presentations
55 Issue 2, 5 Oct l973	Routine Maintenance of Propeller Blades
58 Issue 4, l0 Dec 1986	Flame Resistant Furnishing Materials
66 Issue 2, l8 Oct 1972	Aircraft Insurance
75 Issue 9, l April l983	Overhaul & Inspection Requirements for Variable Pitch Propellers
76 Issue 3, l April l980	Power Supply Systems for Aircraft Radio Installations
82 Issue 1, 7 June l973	Electrical Generation Systems - Aircraft not exceeding 5700kg maximum authorised weight.
87 Issue l, 6 Nov l987	Failure of Mechanical Products inc. Circuit Breakers.

91 Issue 2, l Nov l983 Communications Transmitters in the VHF Radio Frequency Band 118-136 MHz
92 Issue 1, l5 Jan l981 Cargo Containment

CAA Specifications:

No. 1 Issue 5, 24 Sept 1979 Safety Belts
No. 3 Issue 3, l0 July 1953 Tests for Seats with Safety Belts attached
No. 4 Issue 2, l Feb l962 Safety Harnesses
No.13 Issue l, 24 Sept l979 Diagonal Shoulder Harness

CERTIFICATION CATEGORY:

UK : Transport Category (Passenger) except for BN2T-2R and BN2T-4R which are Aerial Work Category.

PERFORMANCE CATEGORY:

UK : Group C

FLIGHT MANUAL:

The limitations, recommended procedures, and information required are contained in the following CAA approved Flight Manuals:

BN2T-2 FM/200
BN2T-2R FM/200 including Supplement l

ENGINES & PROPELLERS:

Two Allison 250-B17C engines rated at 400 shp each fitted with a Hartzell HC-C3YF-5F/FC8475FK-6 propeller.

MINIMUM CREW:

One Pilot

MAXIMUM NUMBER OF OCCUPANTS:

Number of persons, including crew, not to exceed 10. This number is limited by the space available in the cabin.

MAXIMUM WEIGHTS:

Variant	Maximum Weight for:		
	Taxying + Take-off	Landing	Zero Fuel
BN2T-2, -2R	8500 lb (3855kg)	8500 lb (3855kg)	8500 lb (3855kg)

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