



Civil Aviation Authority

AIRWORTHINESS DIRECTIVE

Number: **G-2012-0001**

Issue date: 15 March 2012



This Airworthiness Directive (AD) is issued by the UK CAA as the National Aviation Authority (ICAO Annex 8 Authority of State of Design) for the affected product(s).	
In accordance with Article 19 of the Air Navigation Order 2009 as amended, the following action required by this AD is mandatory for applicable aircraft registered in the United Kingdom. No person may operate an aircraft to which an AD applies except in accordance with the requirements of that AD unless otherwise agreed with the Authority of the State of Registry.	
Type Approval Holder's Name: de Havilland Support Ltd	Type/Model Designation(s): DHC-1 Chipmunk aeroplanes
TCDS:	DHC-1 Chipmunk Mk21 AAN 1399 Iss 1 DHC-1 Chipmunk Mk22 + 22A AAN 4383 Add4 Iss 6 DHC-1 Chipmunk Mk23 AAN 10239
Supersedure:	AD 2804 Pre 80
ATA 57	Wings – Recording and Consumption of Fatigue Lives
Manufacturer(s):	de Havilland Aircraft Co Ltd and Oficinas Gerais De Material Aeronáutico (OGMA).
Applicability:	English and Portuguese built civil certificated DHC-1 Chipmunk aeroplanes – all Marks.
Reason:	<p>The fatigue lives of critical components and the requirements for the management and recording of fatigue consumption on DHC-1 Chipmunk aeroplanes are promulgated in TNS CT(C1) No 138. Recent experience has shown that in some cases Issue 5 of the TNS (subject to AD 2804 Pre 80) is being wrongly interpreted or ignored, leading to incorrect assessment and recording of fatigue life consumption. Experience has also shown that Role Factors are sometimes wrongly assessed and that a recommended replacement life for the wing attachment bolts was not adopted on the civil fleet.</p> <p>This AD has been raised to mandate compliance with the requirements stated in Issue 6 of TNS CT(C1) No 138. The TNS has been developed to introduce a suite of documents for recording and tracking fatigue consumption, and a replacement life is introduced for the mainplane attachment bolts.</p> <p>Incorrect recording of fatigue life could lead to structural failure and loss of life.</p>
Effective Date:	15 March 2012

Compliance/Action:	Initial compliance is required, as detailed in de Havilland Support Ltd Technical News Sheet (TNS) CT(C1) No. 138, Issue 6, dated 1 December 2011 (or later approved amendment), at the next Annual Check but not later than 31 March 2012 and thereafter annually.	
Reference Publications:	de Havilland Support Ltd Technical News Sheet Series CT(C1) No 138 Issue 6.	
Remarks:	<ol style="list-style-type: none"> 1. This AD was posted on 18 January 2012 as PAD 1945 for consultation until 8 February 2012. 2. Enquiries regarding this Airworthiness Directive should be referred to: AES, Civil Aviation Authority, Safety Regulation Group, Aviation House, Gatwick Airport South, West Sussex RH6 0YR. 	
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	E-mail: department.certification@caa.co.uk	
	<ol style="list-style-type: none"> 3. For any question concerning the technical content of the requirements in this AD, please contact: de Havilland Support Ltd Technical News Sheet TNS CT(C1) No 138, Issue 6, is available from de Havilland Support Ltd, Building 213, Duxford Airfield, Cambridge, CB22 4QR, Tel: +44 (0) 1223 830090 Fax: +44 (0) 1223 830085. E-mail: info@dhsupport.com. 	