# Civil Aviation Authority

## United Kingdom Civil Aviation Authority

### AIRWORTHINESS DIRECTIVE AD No: G-2005-0018

This AD is issued by the UK CAA acting for and on behalf of the European Aviation Safety Agency as the Primary Aviation Authority (ICAO Annex 8 Authority of State of Design) for the affected product(s).

#### Approved by the European Aviation Safety Agency under approval number 2005-6049 on 6 July 2005.

In accordance with Article 9(7)(b) of the Air Navigation Order 2000 as amended the following action required by this Airworthiness Directive (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 Holders Name:

Type/Model Designation(s):

**BAE 146 AND AVRO 146-RJ** 

#### **BAE SYSTEMS (OPERATIONS) LIMITED**

Type Certificate Data Sheet No: BA16

CORRECTION to AD No G-2005-0018 dated 6 July 2005

Superseded AD: 002-05-2001

#### ATA 57 - WING FLAP - INSPECTION

**Manufacturer(s):** BAE Systems (Operations) Ltd, British Aerospace plc, British (Commercial Aircraft) Ltd, British Aerospace (Operations) Ltd, British Aerospace Regional Aircraft Ltd, British Aerospace Regional Aircraft Trading As Avro International Aerospace.

Applicability: All Models BAe 146 and AVRO RJ series aeroplanes.

**Reason:** This AD supersedes existing AD 002-05-2001 and introduces an improved means of performing inspections necessary to detect and correct corrosion of the flap structure and machined ribs. Failure to identify and correct corroded flap structure could lead to flap separation and reduced controllability of the aircraft.

Effective Date: 29 July 2005

#### Compliance/Action:

- A.) For aircraft not previously inspected in accordance with AD 002-05-2001, within 6 years from the date of manufacture of the aircraft (or flap), or within 2 years of the effective date of this AD, whichever occurs later, conduct a "flaps-off" inspection of the flaps structure and machined ribs for evidence of corrosion, and rectify any damage found, in accordance with BAE Systems (Operations) Service Bulletin 57-066 Revision 2 or later EASA approved revision.
  - B.) If corrosion was detected during the initial inspection (carried out in accordance with paragraph A of this AD or superseded AD 002-05-2001) that extended into the boss bores, conduct a further "flaps-off" inspection of the flap structure and machined ribs for evidence of recurring corrosion. Do the inspection in accordance with BAE Systems (Operations) Service Bulletin 57-066 Revision 2 or later EASA approved revision between 2 years and 3 years after the initial inspection. Rectify any damage found either by component replacement or in accordance with a BAE Systems (Operations) approved repair scheme.

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- C.) If corrosion was detected during the initial inspection (carried out in accordance with paragraph A of this AD or superseded AD 002-05-2001) that did not extend into the boss bores, conduct a "flaps-on" inspection of the flap structure and machined ribs for evidence of recurring corrosion. Do the inspection in accordance with BAE Systems (Operations) Service Bulletin 57-066 Revision 2 or later EASA approved revision between 2 years and 3 years after the initial inspection. Rectify any damage found either by component replacement or in accordance with a BAE Systems (Operations) approved repair scheme.
- D.) Where the initial or subsequent inspection (carried out in accordance with either paragraph A, B, C of this AD or superseded AD 002-05-2001) confirms the absence of corrosion to the flap structure and machined ribs, no further action in accordance with this AD is required.
- **Reference Publications:** BAE Systems (Operations) Service Bulletins may be obtained from Project Managemer Group, Customer Information Department, BAE Systems (Operations) Ltd, Prestwick International Airport, Ayrshire, KA9 2RW, Scotland. Telephone: +44 (0) 1292 675207 Fax: +44 (0) 1292 675704 E-mail: RApublications@baesystems.com

**Remarks:** Enquiries regarding this Airworthiness Directive should be referred to Certification and Approvals Department, Civil Aviation Authority, Safety Regulation Group, Aviation House, Gatwick Airport South, West Sussex, RH6 0YR, United Kingdom. Telephone: +44 (0) 1293 573315 Fax: +44 (0) 1293 573976 E-mail: Department.Certification@srg.caa.co.uk