


EASA	AIRWORTHINESS DIRECTIVE	
	<p>AD No.: 2011-0048 [Correction: 23 March 2011]</p> <p>Date: 18 March 2011</p> <p>Note: This Airworthiness Directive (AD) is issued by EASA, acting in accordance with Regulation (EC) No 216/2008 on behalf of the European Community, its Member States and of the European third countries that participate in the activities of EASA under Article 66 of that Regulation.</p>	
<p>This AD is issued in accordance with EC 1702/2003, Part 21A.3B. In accordance with EC 2042/2003 Annex I, Part M.A.301, the continuing airworthiness of an aircraft shall be ensured by accomplishing any applicable ADs. Consequently, no person may operate an aircraft to which an Airworthiness Directive applies, except in accordance with the requirements of that Airworthiness Directive unless otherwise specified by the Agency [EC 2042/2003 Annex I, Part M.A.303] or agreed with the Authority of the State of Registry [EC 216/2008, Article 14(4) exemption].</p>		
<p>Type Approval Holder's Name :</p> <p>BAE Systems (Operations) Ltd</p>	<p>Type/Model designation(s) :</p> <p>BAe 146 and AVRO 146-RJ aeroplanes</p>	
<p>TCDS Number: EASA.A.182</p>		
<p>Foreign AD: Not applicable</p>		
<p>Supersedure: This AD supersedes EASA AD 2010-0166 dated 06 August 2010.</p>		
<p>ATA 05</p>	<p>Time Limits / Maintenance Checks – Airworthiness Limitations – Amendment / Implementation</p>	
<p>Manufacturer(s):</p>	<p>BAE Systems (Operations) Ltd, British Aerospace plc, British Aerospace (Commercial Aircraft) Ltd, British Aerospace (Operations) Ltd, British Aerospace Regional Aircraft Ltd, British Aerospace Regional Aircraft trading as Avro International Aerospace.</p>	
<p>Applicability:</p>	<p>BAe 146 and AVRO 146-RJ aeroplanes, all models, all serial numbers.</p>	
<p>Reason:</p>	<p>BAe 146 / AVRO 146-RJ Aircraft Maintenance Manual (AMM) includes the following chapters:</p> <ul style="list-style-type: none"> - 05-10-01 Airframe Airworthiness Limitations before Life Extension Programme, - 05-10-05 Airframe Airworthiness Limitations, Life Extension Programme - Landings Life Extended, - 05-10-10 Airframe Airworthiness Limitations, Life Extension Programme - Calendar Life Extended, - 05-10-15 Aircraft Equipment - Airworthiness Limitations, - 05-10-17 Power Plant - Airworthiness Limitations, - 05-15-00 Critical Design Configuration Control Limitations (CDCCL) - Fuel System Description and Operation, - 05-20-00 Scheduled Maintenance, paragraphs 5 and 6 only, on the Corrosion Prevention and Control Programme (CPCP) and the Supplemental Structural Inspection Document (SSID), 	

	<ul style="list-style-type: none"> - 05-20-01 Airframe Scheduled Maintenance – Before Life Extension Programme (MRBR Section 6), - 05-20-05 Airframe Scheduled Maintenance, Life Extension Programme Landings Life Extended, - 05-20-10 Airframe Scheduled Maintenance, Life Extension Programme Calendar Life Extended, and, - 05-20-15 Aircraft Equipment Scheduled Maintenance. <p>Compliance with these chapters has been identified as mandatory actions for continued airworthiness and EASA AD 2010-0166 was issued to require operators to comply with those instructions.</p> <p>After the issuance of EASA AD 2010-0166, BAE Systems (Operations) Ltd amended Chapter 05-10-15 of the AMM to introduce a new hydraulic filter assembly life limit and to remove the tables containing the Mandatory Life Limitations (Landings) on the Bolts and Pins as the information is now included in the SSID which is already mandated by the same AD. In addition, BAE Systems amended Chapter 05-10-15 of the AMM to enable the use of RJ85 MLG main fittings for lighter weight 146-200 aircraft using the same safe life of 50 000 Flight Cycles (FC) and the use of RJ100 MLG main fittings for lighter weight RJ85, 146-200 and 146-300 aircraft using the same safe life of 40 000 FC.</p> <p>Failure to comply with this revision constitutes an unsafe condition.</p> <p>For the reason described above, this EASA AD retains the requirements of EASA AD 2010-0166, which is superseded, and requires the implementation of the new or more restrictive maintenance requirements and/or airworthiness limitations as specified in the defined parts of Chapter 05 of the AMM at Revision 101.</p> <p>This AD has been republished to amend the 'Required Action(s) and Compliance Time(s)' section, where the paragraph (2.1) quoted the 'ATP AMM' instead of quoting the 'BAe 146/AVRO 146-RJ AMM'.</p>																
Effective Date:	01 April 2011																
Required Action(s) and Compliance Time(s):	<p>(1) Within 3 months after the effective date of this AD, comply with all applicable airworthiness limitations and maintenance requirements included in the chapters of BAe 146 / Avro 146-RJ AMM at Revision 101 and described in Table 1 of this AD.</p> <p style="text-align: center;">Table 1</p> <table border="1" data-bbox="523 1473 1441 2045"> <thead> <tr> <th>Sub-chapter</th> <th>Subject</th> </tr> </thead> <tbody> <tr> <td>05-10-01</td> <td>Airframe Airworthiness Limitations before Life Extension Programme</td> </tr> <tr> <td>05-10-05 *</td> <td>Airframe Airworthiness Limitations, Life Extension Programme - Landings Life Extended</td> </tr> <tr> <td>05-10-10 **</td> <td>Airframe Airworthiness Limitations, Life Extension Programme - Calendar Life Extended</td> </tr> <tr> <td>05-10-15</td> <td>Aircraft Equipment - Airworthiness Limitations</td> </tr> <tr> <td>05-10-17</td> <td>Power Plant - Airworthiness Limitations</td> </tr> <tr> <td>05-15-00</td> <td>Critical Design Configuration Control Limitations (CDCCL) - Fuel System Description and Operation</td> </tr> <tr> <td>05-20-00</td> <td>Scheduled Maintenance, paragraphs 5 and 6 only, on the Corrosion Prevention and Control Programme (CPCP) and the Supplemental Structural Inspection Document (SSID)</td> </tr> </tbody> </table>	Sub-chapter	Subject	05-10-01	Airframe Airworthiness Limitations before Life Extension Programme	05-10-05 *	Airframe Airworthiness Limitations, Life Extension Programme - Landings Life Extended	05-10-10 **	Airframe Airworthiness Limitations, Life Extension Programme - Calendar Life Extended	05-10-15	Aircraft Equipment - Airworthiness Limitations	05-10-17	Power Plant - Airworthiness Limitations	05-15-00	Critical Design Configuration Control Limitations (CDCCL) - Fuel System Description and Operation	05-20-00	Scheduled Maintenance, paragraphs 5 and 6 only, on the Corrosion Prevention and Control Programme (CPCP) and the Supplemental Structural Inspection Document (SSID)
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Table 1 – Continued

Sub-chapter	Subject
05-20-01	Airframe Scheduled Maintenance – Before Life Extension Programme (MRBR Section 6)
05-20-05 *	Airframe Scheduled Maintenance, Life Extension Programme Landings Life Extended
05-20-10 **	Airframe Scheduled Maintenance, Life Extension Programme Calendar Life Extended
05-20-15	Aircraft Equipment Scheduled Maintenance

* Applicable only to aircraft post-modification HCM20011A or HCM20012A or HCM20013A.

** Applicable only to aircraft post-modification HCM20010A.

Note:

Within **sub-chapter 05-20-00**, the relevant issues of the supporting documents are as follows:

- CPCP Document No. CPCP-146-01, Revision 3 dated 15 July 2008, plus Temporary Revision TR 2.1 dated October 2008. The initial accomplishment for the CPCP TR 2.1 task must be done by 19 February 2011 (within 2 years after the effective date of AD 2009-0020).
- SSID Document No. SSID-146-01/02/03, Original Issue dated 12 July 2006.

Within **sub-chapter 05-20-01**, the relevant issue of the supporting document is as follows:

- MRBR Document No. MRB 146-01, Issue 2 Revision 15 dated May 2009 (incorporating Temporary Revision TR 6.8 dated 27 October 2008). The initial accomplishment for the MRBR TR 6.8 task must be done by 19 February 2011 (within 2 years after the effective date of AD 2009-0020).

When a Temporary Revision is superseded by the inclusion of the information in a permanent update of the applicable document, the requirements of this AD still apply.

(2) Compliance with the requirements of paragraph (1) of this AD can be demonstrated by:

(2.1) Revising as follows, unless accomplished previously, the approved Aircraft Maintenance Programme from which the Operator or the Owner ensures the continuing airworthiness of each operated aeroplane:

Incorporate applicable maintenance requirements and associated airworthiness limitations included in the chapters of BAe 146/AVRO 146-RJ AMM at Revision 101 listed in the paragraph (1) of this AD, and,

(2.2) Complying with the approved Aircraft Maintenance Programme described in paragraph (2.1) of this AD.

Ref. Publications:

BAE Systems (Operations) Limited BAe 146/AVRO 146-RJ AMM Chapters 05-10, 05-15 and 05-20 at Revision 101, dated 15 July 2010.

The use of later approved revisions of this document is acceptable for compliance with the requirements of this AD.

Remarks :	<ol style="list-style-type: none">1. If requested and appropriately substantiated, EASA can approve Alternative Methods of Compliance for this AD.2. This AD was posted on 11 February 2011 as PAD 11-020 for consultation until 11 March 2011. No comments were received during the consultation period.3. Enquiries regarding this AD should be referred to the Airworthiness Directives, Safety Management & Research Section, Certification Directorate, EASA. E-mail ADs@easa.europa.eu.4. For any question concerning the technical content of the requirements in this AD, please contact: BAE Systems (Operations) Ltd, Customer Information Department, Prestwick International Airport, Ayrshire, KA9 2RW, Scotland, United Kingdom; Telephone +44 1292 675207, Facsimile +44 1292 675704; E-mail: RApublications@baesystems.com.
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