


EASA	AIRWORTHINESS DIRECTIVE
	<p>AD No.: 2010-0166</p> <p>Date: 06 August 2010</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 1 of that Regulation.</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 AD applies, except in accordance with the requirements of that AD, 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].	
Type Approval Holder's Name :	Type/Model designation(s) :
BAE Systems (Operations) Ltd	BAe 146 and AVRO 146-RJ aeroplanes
TCDS Number : EASA.A.182	
Foreign AD : Not applicable	
Supersedure: This AD supersedes EASA AD 2009-0215, dated 07 October 2009.	
ATA 05	Time Limits / Maintenance Checks – Airworthiness Limitations – Implementation
Manufacturer(s):	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.
Applicability:	BAe 146 and AVRO 146-RJ aeroplanes, all models, all serial numbers.
Reason:	<p>The BAe 146 / AVRO 146-RJ Aircraft Maintenance Manual (AMM) includes chapters 05-10 "Time Limits", 05-15 "Critical Design Configuration Control Limitations (CDCCL) - Fuel System Description and Operation" and 05-20 "Scheduled Maintenance Checks", some sub-chapters of which have been identified as requirements for continued airworthiness and AD 2009-0215 was issued to require operators to comply with those instructions.</p> <p>Since the issuance of that AD, BAE Systems (Operations) Limited has amended the AMM to remove the life limits on shock absorber assemblies, but not the individual shock absorber components, and amend the life limits on the different standards of Main Landing Gear (MLG) Up-Locks and MLG Door Up-Locks in sub-chapter 05-10-15. In addition BAE Systems has amended Chapter 05-10-15 of the AMM to introduce and amend life limits on MLG components.</p> <p>For the reasons described above, this AD amends the requirements of AD 2009-0215, which is superseded, and requires the implementation of the instructions, limitations, inspections and corrective measures as specified in the defined parts of Chapter 05 of the AMM at Revision 100.</p>

Effective Date:	20 August 2010																								
Required Action(s) and Compliance Time(s):	<p>Required as indicated, unless accomplished previously:</p> <p>(1) Within 3 months after the effective date of this AD, comply with all applicable maintenance requirements and associated airworthiness limitations included in the sub-chapters of BAe 146 / AVRO 146-RJ AMM Chapter 05 at AMM Revision 100, as indicated in Table 1 of this AD.</p> <p>Within sub-chapter 05-20-00, the relevant issues of the supporting documents are as follows:</p> <ul style="list-style-type: none"> - CPCP Document No. CPCP-146-01, Revision 3 dated 1 July 2008 plus Temporary Revision TR 2.1 dated October 2008. - SSID Document No. SSID-146-01, Revision 1 dated 15 June 2009. <p>Within sub-chapter 05-20-01, the relevant issue of the supporting document is as follows:</p> <ul style="list-style-type: none"> - MRBR Document No. MRB 146-01, Issue 3 Revision 15 dated May 2009 (incorporating Temporary Revision TR 6.8 dated 19 October 2008) <p>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)</p> <p>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).</p> <p style="text-align: center;">Table 1</p> <table border="1"> <thead> <tr> <th>Sub-chapter</th><th>Subject</th></tr> </thead> <tbody> <tr> <td>05-10-05</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> <tr> <td>05-20-01</td><td>Airframe Scheduled Maintenance – Before Life Extension Programme (MRBR Section 6)</td></tr> <tr> <td>05-20-05 *</td><td>Airframe Scheduled Maintenance, Life Extension Programme Landings Life Extended</td></tr> <tr> <td>05-20-10 **</td><td>Airframe Scheduled Maintenance, Life Extension Programme Calendar Life Extended</td></tr> <tr> <td>05-20-15</td><td>Aircraft Equipment Scheduled Maintenance</td></tr> </tbody> </table> <p>* Applicable only to aircraft post-modification HCM20011A or HCM20012A or HCM20013A.</p> <p>** Applicable only to aircraft post-modification HCM20010A.</p>	Sub-chapter	Subject	05-10-05	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)	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
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	<p>(2) Compliance with the requirements of paragraph (1) of this AD can be demonstrated by:</p> <p>(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:</p> <p>Incorporate applicable maintenance requirements and associated airworthiness limitations included in the sub-chapters of the AMM at Revision 100 listed in paragraph (1) of this AD,</p> <p>and,</p> <p>(2.2) Complying with the approved Aircraft Maintenance Programme described in paragraph (2.1) of this AD.</p> <p>Note 1: When a Temporary Revision is superseded, the inclusion of the information in a permanent update of the applicable document, the requirements of this AD still apply.</p> <p>Note 2: Amendments to Chapter 5 of the AMM were initiated at Revision 99 and corrections to some of those amendments were incorporated at Revision 100.</p>
Ref. Publications:	<p>BAE Systems (Operations) Limited BAe 146/AVRO 146-RJ AMM Chapters 05-10, 05-15 and 05-20 at Revision 100, dated 15 April 2010.</p> <p>The use of later approved revisions of this document is acceptable for compliance with the requirements of this AD.</p>
Remarks :	<p>1. If requested and appropriately substantiated, EASA can approve Alternative Methods of Compliance for this AD.</p> <p>This AD was posted on 05 July 2010 as PAD 10-070 for consultation until 02 August 2010. No comments were received during the consultation period.</p> <p>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.</p> <p>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.</p>