


EASA	AIRWORTHINESS DIRECTIVE
	<p>AD No.: 2009-0215</p> <p>Date: 07 October 2009</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 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].</p>	
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 2009-0020 dated 05 February 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 Euro 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 EASA AD 2009-0020 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 introduce life limitations on additional main landing gear shock absorber inner and outer cylinder and bolt part numbers in sub-chapter 05-10-15. In addition BAE Systems has updated and clarified the text in sub-chapters 05-00-00, 05-10-01, 05-20-00, 05-20-01 and 05-20-10 and changed the modification effectivity status in sub-chapters 05-10-05, 05-10-10 and 05-20-10. Finally BAE Systems has introduced a new sub-chapter, 05-20-05, to define the maintenance for aeroplanes in the Life Extension Programme (LEP) which have had their landings life extended.</p> <p>For the reasons described above, this EASA AD retains the requirements of EASA AD 2009-0020, 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 96.</p>

Effective Date:	21 October 2009																							
Required Action(s) and Compliance Time(s):	<p>Required as indicated, unless accomplished previously:</p> <p>(1) Within the next 3 months after the effective date of this AD, amend the approved aircraft maintenance schedule to incorporate the instructions of the sub-chapters of BAe 146 / AVRO 146-RJ AMM Chapter 05 at AMM Revision 96, 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 15 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 2 Revision 15 dated May 2009 (incorporating Temporary Revision TR 6-8 dated 27 October 2008). 																							
	<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>05-10-01</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>05-10-20</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> <p>(2) Thereafter, within the thresholds and intervals indicated in that document, accomplish the tasks described in the above referenced parts of the AMM, except:</p> <ul style="list-style-type: none"> - The initial accomplishment for the CPCP TR 2.1 task must be done 	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	05-10-20	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
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	<p>within 2 years after 19 February 2009 [the effective date of AD 2009-0020] and</p> <p>- The initial accomplishment for the MRBR TR 6.8 task must be done within 2 years after 19 February 2009 [the effective date of AD 2009-0020].</p> <p>Note: 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.</p> <p>(3) For AVRO 146-RJ85 aeroplanes with Messier-Dowty Main Landing Gear (MLG) units installed that have been modified in accordance with the instructions of Messier-Dowty Service Bulletin (SB) 146-32-171, the life limit for the MLG main fittings may be extended from 32 000 landings to 50 000 landings. It is expected that these revised life limits will be incorporated into the BAE Systems (Operations) Limited BAe 146/AVRO 146-RJ AMM at a next revision.</p>
Ref. Publications:	<p>BAE Systems (Operations) Limited BAe 146/AVRO 146-RJ AMM Chapters 05-10, 05-15 and 05-20 at Revision 96, dated 15 May 2009.</p> <p>Messier-Dowty SB 146-32-171 dated 11 August 2008.</p> <p>The use of later approved revisions of these documents is acceptable for compliance with the requirements of this AD.</p>
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 27 August 2009 as PAD 09-105 for consultation until 24 September 2009. The comment Response Document can be found at http://ad.easa.europa.eu. 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, Perthwick International Airport, Ayrshire, KA9 2RW, Scotland, United Kingdom. Telephone +44 1292 675207, Facsimile +44 1292 675704; E-mail RApublications@baesystems.com.