


EASA	AIRWORTHINESS DIRECTIVE	
	<p>AD No.: 2010-0179</p> <p>Date: 30 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 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>		
Type Approval Holder's Name:		Type/Model designation(s):
BAE SYSTEMS (OPERATIONS) LTD		Jetstream 4100 Aeroplanes
TCDS Number:	EASA. A.189	
Foreign AD:	Not applicable	
Supersedure:	None	
ATA 52	Doors - Upper and Lower Passenger/Crew Door Pin Guides – Inspection / Replacement	
Manufacturer(s):	Jetstream Aircraft Ltd, British Aerospace Regional Aircraft Ltd , British Aerospace (Operations) Ltd and British Aerospace (Commercial Aircraft) Ltd	
Applicability:	Jetstream 4100 aeroplanes, all models, all serial numbers.	
Reason:	<p>A door failure mode has been reported by an operator.</p> <p>Investigation has shown that the passenger/crew entry door pin-guide plates can fail prior to the expected fatigue life. A metallurgical examination of the failed component (lower guide plate) concluded that the occurred failure was due to exfoliation corrosion.</p> <p>The current inspection regime is not adequate to identify early stages of this corrosion.</p> <p>This condition, if not corrected, can lead to the sudden depressurisation of the aeroplane and consequently may injure the occupants.</p> <p>For the reasons described above, this AD requires immediate and periodic ultrasonic inspections of the door pin guides and the accomplishment of the relevant corrective actions as necessary.</p>	
Effective Date:	13 September 2010	
Required action(s)	Required as indicated, unless accomplished previously:	

<p>and Compliance Time(s):</p>	<ol style="list-style-type: none"> (1) Within 6 months after the effective date of this AD, perform an ultrasonic inspection of the passenger/crew door upper and lower guide plates in accordance with the instructions of paragraph 2.B. and appendix 1 of BAE Systems (Operations) Ltd Service Bulletin (SB) J41-52-064. (2) Thereafter, repeat the inspection required by paragraph (1) of this AD at intervals not to exceed 48 Months. (3) If, during the inspection required by paragraphs (1) and (2) of this AD, a split caused by exfoliation corrosion of an area of 78mm² (0.12 in.²) or greater is detected, before next flight, replace any guide plates affected by a serviceable one. (4) After the replacement of the guide plates, as required by paragraph (3) of this AD, inspect the new guide plates 48 Months after the date of installation in accordance with the inspection required by paragraph (1) of this AD, and thereafter repeat this inspection at intervals not to exceed 48 Months.
<p>Ref. Publications:</p>	<p>BAE Systems (Operations) Ltd Service Bulletin J41-52-064, at original issue, dated 15 September 2009.</p> <p>The use of later approved revisions of this document is acceptable for compliance with the requirements of this AD.</p>
<p>Remarks:</p>	<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 20 July 2010 as PAD 10-073 for consultation until 17 August 2010. 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 questions 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