



## Airworthiness Directive

**AD No.:** 2017-0187

**Issued:** 22 September 2017

Note: This Airworthiness Directive (AD) is issued by EASA, acting in accordance with Regulation (EC) 216/2008 on behalf of the European Union, its Member States and of the European third countries that participate in the activities of EASA under Article 66 of that Regulation.

This AD is issued in accordance with Regulation (EU) 748/2012, Part 21.A.3B. In accordance with Regulation (EU) 1321/2014 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 [Regulation (EU) 1321/2014 Annex I, Part M.A.303] or agreed with the Authority of the State of Registry [Regulation (EC) 216/2008, Article 14(4) exemption].

**Design Approval Holder's Name:**

BAE SYSTEMS (OPERATIONS) LTD

**Type/Model designation(s):**

Jetstream 4100 aeroplanes

**Effective Date:** 06 October 2017

**TCDS Number(s):** EASA.A.189

**Foreign AD:** Not applicable

**Supersedure:** This AD supersedes CAA UK AD 005-02-2002 issued February 2002.

### ATA 05 – Time Limits / Maintenance Checks – Fatigue and Environmental Damage Inspections – Amendment

**Manufacturer(s):**

British Aerospace plc, British Aerospace (Commercial Aircraft) Ltd, British Aerospace Regional Aircraft Ltd, Jetstream Aircraft Ltd and British Aerospace (Operations) Ltd

**Applicability:**

Jetstream Series 4100 aeroplanes, all models, all serial numbers.

**Reason:**

Maintenance instructions for BAE Jetstream 4100 aeroplanes, which are approved by EASA, are defined in BAE Systems (Operations) Ltd Jetstream 4100 Service Bulletin (SB) J41-51-001, which references certain Aircraft Maintenance Manual (AMM) tasks. These instructions have been identified as mandatory for continued airworthiness.

Failure to accomplish these instructions could result in an unsafe condition.

CAA UK issued AD 005-02-2002 to require operators to comply with the inspection instructions as referenced in SB J41-51-001 at original issue.

Since that AD was issued, BAE Systems (Operations) Ltd have determined that the inspection requirements for a number of maintenance tasks are incorrect. Consequently, existing inspection



items 52-20-013, 53-10-006, 53-10-025, 53-10-029 and 53-10-079 will be amended in Chapter 05 of the AMM. Compliance periods for these changes are given in BAE Systems (Operations) Ltd SB J41-51-001 (now at Revision 4) and BAE Systems (Operations) Ltd Alert SB J41-A53-058. Those fatigue inspections detailed in SB J41-51-001, at Revision 3 or earlier, have now been incorporated into Chapter 05 of the AMM. To avoid duplication these tasks are deleted from SB J41-51-001 at Revision 4.

For the reason described above, this AD retains the requirements of CAA UK AD 005-02-2002, which is superseded, and requires accomplishment of the actions specified in BAE Systems (Operations) Ltd Jetstream 4100 SB J41-51-001 Revision 4 and Alert SB J41-A53-058 (hereafter collectively referred to as 'the SB' in this AD).

#### **Required Action(s) and Compliance Time(s):**

Required as indicated, unless accomplished previously:

#### **Maintenance Tasks:**

- (1) From the effective date of this AD, accomplish all applicable maintenance tasks within the thresholds and intervals as specified in, and in accordance with the instructions of, the AMM tasks referenced in the SB.

#### **Corrective Action(s):**

- (2) In case of finding discrepancies (as defined in the relevant AMM task or in the SB) during accomplishment of any task as required by paragraph (1) of this AD, within the compliance time specified in the SB, accomplish the applicable maintenance procedures for corrective action in accordance with the approved maintenance documentation. If no compliance time is identified in the SB, accomplish the applicable corrective action(s) before next flight. If a detected discrepancy is not identified in the AMM task or in the SB, before next flight, contact BAE Systems (Operations) Ltd for approved instructions and accomplish those instructions accordingly.

#### **Aircraft Maintenance Programme (AMP) Revision:**

- (3) Within 12 months after the effective date of this AD, revise the approved AMP, on the basis of which the operator or the owner ensures the continuing airworthiness of each operated aeroplane, by incorporating the maintenance tasks and associated thresholds and intervals described in the AMM, as applicable to aeroplane model.

#### **Credit:**

- (4) For an AMP that, on the effective date of this AD, is already updated to incorporate the tasks as specified in BAE Systems (Operations) Ltd SB J41-51-001 at original issue, or Revision 1, or Revision 2, or Revision 3, that action ensures (see Note 1 of this AD) the continued accomplishment of those tasks.

Consequently, for an aeroplane to which that AMP applies, it is acceptable to accomplish the new and more restrictive maintenance tasks, as applicable to aeroplane model, as defined in, and within the compliance times as specified in the SB, to comply with paragraph (1) of this AD. For that AMP, it is acceptable to incorporate the new and more restrictive tasks, as applicable to aeroplane model, as defined in the SB, into the AMP to comply with paragraph (3) of this AD.



**Recording AD Compliance:**

- (5) When the AMP of an aeroplane has been revised as required by paragraph (3) or (4) of this AD, as applicable, that action ensures (see Note 1 of this AD) continued accomplishment of the tasks as required by paragraph (1) of this AD for that aeroplane. Consequently, after revising the AMP, as required by paragraph (3) or (4) of this AD, as applicable, it is not necessary that accomplishment of individual action is recorded for demonstration of AD compliance on a continued basis.

Note 1: For affected Jetstream 4100 aeroplanes registered in Europe, complying with the approved AMP, as specified in paragraph (3) or (4) of this AD, as applicable, is required by Commission Regulation (EU) [1321/2014](#), Part M.A.301, paragraph 3.

**Ref. Publications:**

BAE Systems (Operations) Ltd Jetstream 4100 SB J41-51-001 Revision 4 dated 11 July 2017.

BAE Systems (Operations) Ltd Jetstream 4100 Alert SB J41-A53-058 original issue dated 06 December 2016.

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

**Remarks:**

1. If requested and appropriately substantiated, EASA can approve Alternative Methods of Compliance for this AD.
2. This AD was posted on 18 August 2017 as PAD 17-114 for consultation until 15 September 2017. No comments were received during the consultation period.
3. Enquiries regarding this AD should be referred to the EASA Safety Information Section, Certification Directorate. E-mail: [ADs@easa.europa.eu](mailto:ADs@easa.europa.eu).
4. For any question concerning the technical content of the requirements in this AD, please contact: BAE Systems (Operations) Ltd, Business Support Team - Technical Publications, Prestwick International Airport, Ayrshire, KA9 2RW, Scotland, The United Kingdom; Telephone +44 1292 675207, Facsimile +44 1292 675704; E-mail: [RAPublications@baesystems.com](mailto:RAPublications@baesystems.com).

