


EASA	AIRWORTHINESS DIRECTIVE
	<p>AD No.: 2013-0184</p> <p>Date: 13 August 2013</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 EU 748/2012, Part 21.A.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>	
<p>Design Approval Holder's Name:</p> <p>AIRBUS</p>	<p>Type/Model designation(s):</p> <p>A300 and A300-600 aeroplanes</p>
TCDS Number:	France No. 145
Foreign AD:	Non applicable
Supersedure:	This AD supersedes DGAC France AD F-2002-184 dated 03 April 2002.
ATA 53	Fuselage – Frame 47 Splice Fitting Holes Between Stringers 24 and 26 – Inspection
Manufacturer(s):	Airbus (formerly Airbus Industrie)
Applicability:	Airbus A300B4-103, A300B4-120, A300B4-203, A300B4-2C, A300C4-203 and A300F4-203 all Manufacturer Serial Numbers (MSN) and Airbus A300-600, all certified models, all MSN.
Reason:	<p>In order to prevent crack development in the fastener holes at Frame (FR) 47 splicing joint on A300 aeroplanes, Airbus developed modification (Mod) 5890 for aeroplanes in production and issued corresponding Service Bulletin (SB) A300-53-0199 for aeroplanes in service.</p> <p>Subsequently, cracks were found on FR47 splice fitting between stringers (STRG) 24 and 26 on A300 aeroplanes previously modified by SB A300-53-0199.</p> <p>This condition, if not detected and corrected, could reduce the structural integrity of the aeroplane.</p> <p>To address this potential unsafe condition, DGAC France issued AD 2002-184, superseding AD 85-152-069 and AD 1999-515-298, to require repetitive High Frequency Eddy Current (HFEC) rotating probe inspections of the splice fitting between STRG 24 and 26 and, depending on findings, corrective action(s). DGAC France AD 2002-184(B) expanded the applicability to A300-600 aeroplanes, which have the same design.</p> <p>Since that AD was issued, a fleet survey and updated Fatigue and Damage Tolerance analyses have been performed in order to substantiate the second A300-600 Extended Service Goal (ESG2) exercise. The results of these analyses have determined that the inspection threshold and intervals for A300-600 aeroplanes must be reduced to allow timely detection of these cracks and the accomplishment of an applicable corrective action.</p>

	For the reasons described above, this AD retains the requirements of DGAC France AD 2002-184, which is superseded, but requires accomplishment of the actions for A300-600 aeroplanes within the new thresholds and intervals specified in Revision 05 of Airbus SB A300-53-6123.
Effective Date:	27 August 2013
Required Action(s) and Compliance Time(s):	<p>Required as indicated, unless accomplished previously:</p> <ol style="list-style-type: none"> (1) Within the applicable thresholds as defined in Appendix 1, Table 1 or Table 2, of this AD, and, thereafter, at intervals not to exceed the applicable values as defined in Appendix 2, Table 3 or Table 4, of this AD, as applicable, remove the fasteners and accomplish an HFEC rotating probe inspection of the splice fitting between STRG 24 and 26 in accordance with the instructions of Airbus SB A300-53-6123 Revision 05, or SB A300-53-0350 Revision 03, as applicable to aeroplane model. Before release to service of the aeroplane after each HFEC inspection, provided no cracks are found, install new fasteners. (2) If, during any inspection as required by paragraph (1) of this AD, cracks are found, before next flight, accomplish the applicable corrective actions in accordance with the instructions of Airbus SB A300-53-6123 Revision 05, or SB A300-53-0350 Revision 03, as applicable to aeroplane model. (3) Inspections and corrective actions, accomplished before the effective date of this AD in accordance with the instructions of Airbus SB A300-53-6123 at original issue up to Revision 04, or SB A300-53-0350 at original issue up to Revision 02, as applicable, are acceptable to comply with the requirements of paragraphs (1) and (2) of this AD. After the effective date of this AD, the repetitive inspections required by paragraph (1) and the corrective actions required by paragraph (2) of this AD must be accomplished in accordance with the instructions of Airbus SB A300-53-6123 Revision 06, or SB A300-53-0350 Revision 03, as applicable to aeroplane model.
Ref. Publications:	<p>Airbus SB A300-53-0199 original issue dated 08 July 1985, or Revision 01 dated 28 November 1985, or Revision 02 dated 06 February 1987, or Revision 03 dated 03 June 1987, or Revision 04 dated 12 November 2002.</p> <p>Airbus SB A300-53-0350 original issue dated 25 October 1999, or Revision 01 dated 18 December 2001, or Revision 02 dated 12 November 2002, or Revision 03 dated 26 July 2007.</p> <p>Airbus SB A300-53-6123 original issue dated 25 October 1999, or Revision 02 dated 12 November 2002, or Revision 03 dated 20 August 2004, or Revision 04 dated 25 April 2008, or Revision 05 dated 01 August 2011.</p> <p>Airbus SB A300-53-6131 original issue dated 22 August 2001.</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 12 March 2013 as PAD 13-045 for consultation until 09 April 2013. The Comment Response Document can be found at http://ad.easa.europa.eu. 3. Enquiries regarding this AD should be referred to the Safety Information Section, Executive Directorate, EASA. E-mail: ADs@easa.europa.eu. 4. For any question concerning the technical content of the requirements in this AD, please contact: AIRBUS SAS – EIAW (Airworthiness Office), Email: continued.airworthiness-wb.external@airbus.com

Appendix 1 – Inspection Thresholds

Table 1: Inspection thresholds for A300 aeroplanes, whichever occurs later, A or B

Affected Aeroplanes: (pre- or post-Mod 5890, or pre- or post-SB A300-53-0199)	Compliance Time A: whichever occurs first since aeroplane first flight	
	A300B4-100 aeroplanes	A300B4-200, A300C4-203 and A300F4-203 aeroplanes
Pre-Mod/-SB	4 000 flight cycles (FC) or 8 000 flight hours (FH)	3 300 FC or 6 800 FH
Post-Mod/-SB	10 500 FC or 21 200 FH	8 650 FC or 18 000 FH

Compliance time B:

For all A300B4 models post-Mod 5890, or post-SB A300-53-0199: Before exceeding 750 FC or 1 500 FH, whichever occurs first after 13 April 2002 (the effective date of DGAC France AD 2002-184).

For all other A300 models: Before exceeding 1 800 FC or 3 000 FH, whichever occurs first after 13 April 2002 (the effective date of DGAC France AD 2002-184).

Table 2: Inspection thresholds for A300-600 aeroplanes, whichever occurs later, A or B

Affected Aeroplanes: (pre- or post-Mod 5890, or pre- or post-SB A300-53-6131)	Compliance Time A: whichever occurs first since aeroplane first flight	
	Average flight Time (AFT) more than 1,5 hours	AFT equal to or less than 1,5 hours
Pre-Mod/-SB	2 500 FC or 5 500 FH	2 700 FC or 4 100 FH
Post-Mod/SB	6 800 FC or 14 700 FH	7 300 FC or 11 000 FH

Compliance time B: 800 FC or 1 750 FH, whichever occurs first after the effective date of this AD.

Appendix 2 – Inspection Intervals

Table 3: Inspection intervals for A300 aeroplanes, whichever occurs later, A or B

Affected Aeroplanes: (pre- or post-Mod 5890, or pre- or post-SB A300-53-0199; Basic Splice Part Number (P/N) installed)	Compliance Time A: whichever occurs first	
	A300B4-100 aeroplanes	A300B4-200, A300C4-203 and A300F4-203 aeroplanes
Pre-Mod/-SB	2 800 FC or 5 700 FH	2 300 FC or 4 800 FH
Post-Mod/-SB; P/N A53834139-200/201		
Post-Mod/-SB; P/N A53834139-202/203, or P/N A53812635-200/201	4 800 FC or 9 700 FH	3 950 FC or 8 200 FH

Compliance time B:

For all A300B4 models post-Mod 5890, or post-SB A300-53-0199: Before exceeding 750 FC or 1 500 FH, whichever occurs first after 13 April 2002 (the effective date of DGAC France AD 2002-184).

For all other A300 models: Before exceeding 1 800 FC or 3 000 FH, whichever occurs first after 13 April 2002 (the effective date of DGAC France AD 2002-184).

Table 4: Inspection intervals for A300-600 aeroplanes, whichever occurs later, A or B

Affected Aeroplanes: (pre- or post-Mod 5890, or pre- or post-SB A300-53-6131; Basic Splice Part Number (P/N) installed)	Compliance Time A: whichever occurs first	
	AFT more than 1,5 hours	AFT equal to or less than 1,5 hours
Pre-Mod/-SB	2 000 FC or 4 300 FH	2 100 FC or 3 200 FH
Post-Mod/-SB; P/N A53834139-200/201		
Post-Mod/-SB; P/N A53834139-202/203, or P/N A53812635-200/201	1 600 FC or 3 500 FH	1 700 FC or 2 600 FH

Compliance time B: 800 FC or 1 750 FH, whichever occurs first after the effective date of this AD.