

Issued in Renton, Washington, on November 1, 2010.

Jeffrey E. Duven,

Acting Manager, Transport Airplane Directorate, Aircraft Certification Service.

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DEPARTMENT OF TRANSPORTATION

Federal Aviation Administration

14 CFR Part 39

[Docket No. FAA-2010-0675; Directorate Identifier 2010-NM-061-AD; Amendment 39-16501; AD 2010-23-12]

RIN 2120-AA64

Airworthiness Directives; Airbus Model A330-201, -202, -203, -223, -223F, -243, and -243F Airplanes, Model A330-300 Series Airplanes, and Model A340-200, A340-300, A340-500, and A340-600 Series Airplanes

AGENCY: Federal Aviation Administration (FAA), Department of Transportation (DOT).

ACTION: Final rule.

SUMMARY: We are adopting a new airworthiness directive (AD) for the products listed above. This AD results from mandatory continuing airworthiness information (MCAI) originated by an aviation authority of another country to identify and correct an unsafe condition on an aviation product. The MCAI describes the unsafe condition as:

* * * * *

Investigation conducted by Thales on * * * probes revealed oil residue between the stator and the rotor parts of the AoA [angle of attack] vane position resolvers. This oil residue was due to incorrect cleaning of the machining oil during the manufacturing process of the AoA resolvers. At low temperatures, this oil residue becomes viscous (typically in cruise) causing lag of AoA vane movement.

Such condition could lead to discrepant AoA measurement. If not corrected, and if two or three AoA probes were simultaneously affected and provided wrong indications of the AoA to a similar extent, it could lead to a late activation of the angle of attack protection, which in combination with flight at high angle of attack would constitute an unsafe condition.

* * * * *

We are issuing this AD to require actions to correct the unsafe condition on these products.

DATES: This AD becomes effective December 14, 2010.

The Director of the Federal Register approved the incorporation by reference

of certain publications listed in this AD as of December 14, 2010.

ADDRESSES: You may examine the AD docket on the Internet at http://www.regulations.gov or in person at the U.S. Department of Transportation, Docket Operations, M-30, West Building Ground Floor, Room W12-140, 1200 New Jersey Avenue, SE., Washington, DC.

FOR FURTHER INFORMATION CONTACT: Vladimir Ulyanov, Aerospace Engineer, International Branch, ANM-116, Transport Airplane Directorate, FAA, 1601 Lind Avenue, SW., Renton, Washington 98057-3356; telephone (425) 227-1138; fax (425) 227-1149.

SUPPLEMENTARY INFORMATION:

Discussion

We issued a notice of proposed rulemaking (NPRM) to amend 14 CFR part 39 to include an AD that would apply to the specified products. That NPRM was published in the Federal Register on July 7, 2010 (75 FR 38947). That NPRM proposed to correct an unsafe condition for the specified products. The MCAI states:

During Airbus Final Assembly Line reception flight tests, AoA [angle of attack] data from two different aeroplanes were found inaccurate. Inaccuracy was confirmed by flight data analysis.

Investigation conducted by Thales on the removed probes revealed oil residue between the stator and the rotor parts of the AoA vane position resolvers. This oil residue was due to incorrect cleaning of the machining oil during the manufacturing process of the AoA resolvers. At low temperatures, this oil residue becomes viscous (typically in cruise) causing lag of AoA vane movement.

Such condition could lead to discrepant AoA measurement. If not corrected, and if two or three AoA probes were simultaneously affected and provided wrong indications of the AoA to a similar extent, it could lead to a late activation of the angle of attack protection, which in combination with flight at high angle of attack would constitute an unsafe condition.

Therefore, this [European Aviation Safety Agency (EASA)] AD requires a one time inspection of the Thales Avionics AoA probe P/N [part number] C16291AA in order to identify the suspect parts and to remove them from service.

This [EASA] AD revision is issued to specify that the identification of the affected AoA probes is also possible in accordance with aeroplane maintenance records data analysis.

You may obtain further information by examining the MCAI in the AD docket.

Comments

We gave the public the opportunity to participate in developing this AD. We considered the comment received. The commenter supports the NPRM.

Airplane Models Certificated Since the NPRM Was Published

In August 2010, after the NPRM was published, the FAA type-certificated two new Airbus models: Models A330-223F and -243F, and we find that those models are also subject to the unsafe condition identified this AD action. We have added those models to the subject heading on page 1 and to paragraph (c)(1) of this AD. Since no airplanes of those models are presently on the U.S. Register, additional notice and opportunity for public comment on that topic before issuing this AD are unnecessary.

Conclusion

We reviewed the available data, including the comment received, and determined that air safety and the public interest require adopting the AD with the changes described previously. We also determined that these changes will not increase the economic burden on any operator or increase the scope of the AD.

Differences Between This AD and the MCAI or Service Information

We have reviewed the MCAI and related service information and, in general, agree with their substance. But we might have found it necessary to use different words from those in the MCAI to ensure the AD is clear for U.S. operators and is enforceable. In making these changes, we do not intend to differ substantively from the information provided in the MCAI and related service information.

We might also have required different actions in this AD from those in the MCAI in order to follow our FAA policies. Any such differences are highlighted in a NOTE within the AD.

Costs of Compliance

We estimate that this AD will affect about 44 products of U.S. registry. (There are currently no Model A340 airplanes on the U.S. Register.) We also estimate that it will take about 3 work-hours per product to comply with the basic requirements of this AD. The average labor rate is \$85 per work-hour. Based on these figures, we estimate the cost of this AD to the U.S. operators to be \$11,220, or \$255 per product.

Authority for This Rulemaking

Title 49 of the United States Code specifies the FAA's authority to issue rules on aviation safety. Subtitle I, section 106, describes the authority of the FAA Administrator. "Subtitle VII: Aviation Programs," describes in more detail the scope of the Agency's authority.

We are issuing this rulemaking under the authority described in “Subtitle VII, Part A, Subpart III, Section 44701: General requirements.” Under that section, Congress charges the FAA with promoting safe flight of civil aircraft in air commerce by prescribing regulations for practices, methods, and procedures the Administrator finds necessary for safety in air commerce. This regulation is within the scope of that authority because it addresses an unsafe condition that is likely to exist or develop on products identified in this rulemaking action.

Regulatory Findings

We determined that this AD will not have federalism implications under Executive Order 13132. This AD will not have a substantial direct effect on the States, on the relationship between the national government and the States, or on the distribution of power and responsibilities among the various levels of government.

For the reasons discussed above, I certify this AD:

1. Is not a “significant regulatory action” under Executive Order 12866;
2. Is not a “significant rule” under the DOT Regulatory Policies and Procedures (44 FR 11034, February 26, 1979); and
3. Will not have a significant economic impact, positive or negative, on a substantial number of small entities under the criteria of the Regulatory Flexibility Act.

We prepared a regulatory evaluation of the estimated costs to comply with this AD and placed it in the AD docket.

Examining the AD Docket

You may examine the AD docket on the Internet at <http://www.regulations.gov>; or in person at the Docket Operations office between 9 a.m. and 5 p.m., Monday through Friday, except Federal holidays. The AD docket contains the NPRM, the regulatory evaluation, any comments received, and other information. The street address for the Docket Operations office (telephone (800) 647-5527) is in the **ADDRESSES** section. Comments will be available in the AD docket shortly after receipt.

List of Subjects in 14 CFR Part 39

Air transportation, Aircraft, Aviation safety, Incorporation by reference, Safety.

Adoption of the Amendment

Accordingly, under the authority delegated to me by the Administrator, the FAA amends 14 CFR part 39 as follows:

PART 39—AIRWORTHINESS DIRECTIVES

- 1. The authority citation for part 39 continues to read as follows:

Authority: 49 U.S.C. 106(g), 40113, 44701.

§ 39.13 [Amended]

- 2. The FAA amends § 39.13 by adding the following new AD:

2010-23-12 Airbus: Amendment 39-16501. Docket No. FAA-2010-0675; Directorate Identifier 2010-NM-061-AD.

Effective Date

- (a) This airworthiness directive (AD) becomes effective December 14, 2010.

Affected ADs

- (b) None.

Applicability

- (c) This AD applies to the airplanes identified in paragraphs (c)(1) and (c)(2) of this AD.

(1) Airbus Model A330-201, A330-202, A330-203, A330-223, A330-223F, A330-243, A330-243F, A330-301, A330-302, A330-303, A330-321, A330-322, A330-323, A330-341, A330-342 and A330-343 airplanes, certificated in any category; all manufacturer serial numbers, equipped with Thales Avionics angle of attack (AoA) probes having part number (P/N) C16291AA.

(2) Airbus Model A340-211, A340-212, A340-213, A340-311, A340-312, A340-313, A340-541, and A340-642 airplanes, certificated in any category, all manufacturer serial numbers, equipped with Thales Avionics AoA probes having P/N C16291AA.

Subject

- (d) Air Transport Association (ATA) of America Code 34: Navigation.

Reason

- (e) The mandatory continuing airworthiness information (MCAI) states:

During Airbus Final Assembly Line reception flight tests, AoA data from two different aeroplanes were found inaccurate. Inaccuracy was confirmed by flight data analysis.

Investigation conducted by Thales on the removed probes revealed oil residue between the stator and the rotor parts of the AoA vane position resolvers. This oil residue was due to incorrect cleaning of the machining oil during the manufacturing process of the AoA resolvers. At low temperatures, this oil residue becomes viscous (typically in cruise) causing lag of AoA vane movement.

Such condition could lead to discrepant AoA measurement. If not corrected, and if two or three AoA probes were simultaneously affected and provided wrong indications of the AoA to a similar extent, it could lead to a late activation of the angle of attack protection, which in combination with flight at high angle of attack would constitute an unsafe condition.

Therefore, this [European Aviation Safety Agency (EASA)] AD requires a one time inspection of the Thales Avionics AoA probe P/N C16291AA in order to identify the suspect parts and to remove them from service.

This [EASA] AD revision is issued to specify that the identification of the affected AoA probes is also possible in accordance with aeroplane maintenance records data analysis.

Compliance

- (f) You are responsible for having the actions required by this AD performed within the compliance times specified, unless the actions have already been done.

Inspection of AoA Probes

- (g) Within 3 months after the effective date of this AD, perform a detailed visual inspection of the Thales Avionics AoA probes having P/N C16291AA for a serial number identification, in accordance with the Accomplishment Instructions of the applicable service information identified in Table 1 of this AD. A review of airplane maintenance records is acceptable in lieu of this inspection if the serial number of the AoA probe can be conclusively determined from that review. If no AoA probe having P/N C16291AA and a serial number identified in Thales Service Bulletin C16291A-34-007, Revision 01, dated December 3, 2009, is identified during the inspection required by this paragraph of this AD, no further action is required by this AD, except for paragraph (i) of this AD.

TABLE 1—APPLICABLE SERVICE INFORMATION

Model	Document	Date
Model A330-200 and A330-300 series airplanes	Airbus Mandatory Service Bulletin A330-34-3232	January 20, 2010.
Model A340-200 and A340-300 series airplanes	Airbus Mandatory Service Bulletin A340-34-4239	January 20, 2010.
Model A340-500 and A340-600 series airplanes	Airbus Mandatory Service Bulletin A340-34-5072	January 20, 2010.

Replacement of Identified AoA Probes

- (h) If the serial number of the AoA probe identified during the inspection required by

paragraph (g) of this AD corresponds to a suspect AoA probe specified in Thales Service Bulletin C16291A-34-007, Revision

01, dated December 3, 2009: At the applicable time specified in paragraph (h)(1) or (h)(2) of this AD, replace the affected AoA

probe with a serviceable AoA probe in accordance with one of the four options specified in and in accordance with the Accomplishment Instructions of the applicable service bulletin specified in Table 1 of this AD.

(1) For airplanes on which Airbus Modification 53368 (back-up speed scale) has been embodied in production or Airbus Service Bulletin A330-34-3213, Airbus Service Bulletin A340-34-4213, or Airbus Service Bulletin A340-34-5060, as applicable, has been embodied in service: Within 3 months after the effective date of this AD.

(2) For airplanes on which Airbus Modification 53368 (back-up speed scale) has not been embodied in production and Airbus Service Bulletin A330-34-3213, Airbus Service Bulletin A340-34-4213, or Airbus Service Bulletin A340-34-5060, as applicable, has not been embodied in service: Within 15 months after the effective date of this AD.

Parts Installation

(i) As of the effective date of this AD, no person may install, on any airplane, a Thales Avionics AoA probe having P/N C16291AA and a serial number identified in Thales Service Bulletin C16291A-34-007, Revision 01, dated

December 3, 2009, unless the AoA is fitted with an inspection label stating that Thales Service Bulletin C16291A-34-007, Revision 01, dated December 3, 2009, has been accomplished.

FAA AD Differences

Note 1: This AD differs from the MCAI and/or service information as follows: EASA Airworthiness Directive 2010-0016R1, dated February 9, 2010, does not include Models A330-223F and A330-243F. We find that those models need to be included in this AD action, and have coordinated this difference with EASA and Airbus.

Other FAA AD Provisions

(j) The following provisions also apply to this AD:

(1) *Alternative Methods of Compliance (AMOCs):* The Manager, International Branch, ANM-116, Transport Airplane Directorate, FAA, has the authority to approve AMOCs for this AD, if requested using the procedures found in 14 CFR 39.19. Send information to ATTN: Vladimir Ulyanov, Aerospace Engineer, International Branch, ANM-116, Transport Airplane Directorate, FAA, 1601 Lind Avenue, SW., Renton, Washington 98057-3356; telephone (425) 227-1138; fax (425) 227-1149. Before

using any approved AMOC on any airplane to which the AMOC applies, notify your principal maintenance inspector (PMI) or principal avionics inspector (PAI), as appropriate, or lacking a principal inspector, your local Flight Standards District Office. The AMOC approval letter must specifically reference this AD.

(2) *Airworthy Product:* For any requirement in this AD to obtain corrective actions from a manufacturer or other source, use these actions if they are FAA-approved. Corrective actions are considered FAA-approved if they are approved by the State of Design Authority (or their delegated agent). You are required to assure the product is airworthy before it is returned to service.

(3) *Reporting Requirements:* For any reporting requirement in this AD, under the provisions of the Paperwork Reduction Act (44 U.S.C. 3501 *et seq.*), the Office of Management and Budget (OMB) has approved the information collection requirements and has assigned OMB Control Number 2120-0056.

Related Information

(k) Refer to MCAI EASA Airworthiness Directive 2010-0016R1, dated February 9, 2010, and the service information identified in Table 2 of this AD, for related information.

TABLE 2—RELATED SERVICE INFORMATION

Document	Revision	Date
Airbus Mandatory Service Bulletin A330-34-3232	Original	January 20, 2010.
Airbus Mandatory Service Bulletin A340-34-4239	Original	January 20, 2010.
Airbus Mandatory Service Bulletin A340-34-5072	Original	January 20, 2010.
Thales Service Bulletin C16291A-34-007	Revision 01	December 3, 2009.

Material Incorporated by Reference

(l) You must use the service information contained in Table 3 of this AD to do the actions required by this AD, unless the AD specifies otherwise.

(1) The Director of the Federal Register approved the incorporation by reference of this service information under 5 U.S.C. 552(a) and 1 CFR part 51.

(2) For Airbus service information identified in this AD, contact Airbus SAS—Airworthiness Office—EAL, 1 Rond Point Maurice Bellonte, 31707 Blagnac Cedex,

France; telephone +33 5 61 93 36 96; fax +33 5 61 93 45 80; e-mail airworthiness.A330-A340@airbus.com; Internet <http://www.airbus.com>. For Thales Avionics service information identified in this AD, contact Thales—Aerospace Division, 105, avenue du General Eisenhower—BP 63647, 31036 Toulouse Cedex 1, France; telephone +33 (0)5 61 19 65 00; fax +33 (0)5 61 19 66 00; Internet <http://www.thalesgroup.com/aerospace>.

(3) You may review copies of the service information at the FAA, Transport Airplane

Directorate, 1601 Lind Avenue, SW., Renton, Washington. For information on the availability of this material at the FAA, call 425-227-1221.

(4) You may also review copies of the service information that is incorporated by reference at the National Archives and Records Administration (NARA). For information on the availability of this material at NARA, call 202-741-6030, or go to: http://www.archives.gov/federal_register/code_of_federal_regulations/ibr_locations.html.

TABLE 3—MATERIAL INCORPORATED BY REFERENCE

Document	Revision	Date
Airbus Mandatory Service Bulletin A330-34-3232, excluding Appendix 01	Original	January 20, 2010.
Airbus Mandatory Service Bulletin A340-34-4239, excluding Appendix 01	Original	January 20, 2010.
Airbus Mandatory Service Bulletin A340-34-5072, excluding Appendix 01	Original	January 20, 2010.
Thales Service Bulletin C16291A-34-007	Revision 01	December 3, 2009.

Issued in Renton, Washington, on October 22, 2010.

Michael Kaszycki,

Acting Manager, Transport Airplane Directorate, Aircraft Certification Service.

[FR Doc. 2010-28087 Filed 11-8-10; 8:45 am]

BILLING CODE 4910-13-P

DEPARTMENT OF TRANSPORTATION

Federal Aviation Administration

14 CFR Part 71

[Docket No. FAA-2010-0397; Airspace Docket No. 10-AAL-7]

RIN 2120-AA66

Establishment and Amendment of Area Navigation (RNAV) Routes; Alaska

AGENCY: Federal Aviation Administration (FAA), DOT.

ACTION: Final rule.

SUMMARY: This action establishes two and modifies four Area Navigation (RNAV) routes in Alaska. T and Q-routes are Air Traffic Service (ATS) routes, based on RNAV, for use by aircraft having instrument flight rules (IFR)-approved Global Positioning System (GPS)/Global Navigation Satellite System (GNSS) equipment, or Distance Measuring Equipment (DME)/DME Inertial Reference Unit (IRU) navigation capability. The FAA is taking this action to enhance safety and improve the efficient use of the navigable airspace in Alaska.

DATES: Effective date 0901 UTC, January 13, 2011. The Director of the Federal Register approves this incorporation by reference action under 1 CFR part 51, subject to the annual revision of FAA Order 7400.9 and publication of conforming amendments.

FOR FURTHER INFORMATION CONTACT: Ken McElroy, Airspace, Regulations and ATC Procedures Group, Office of Airspace Services, Federal Aviation Administration, 800 Independence Avenue, SW., Washington, DC 20591; telephone: (202) 267-8783.

History

On June 7, 2010, the FAA published in the **Federal Register** a notice of proposed rulemaking (NPRM) to establish and amend Area Navigation Routes in Alaska (75 FR 32120). Interested parties were invited to participate in this rulemaking effort by submitting written comments on the

proposal. No comments were received. This amendment is the same as that proposed in the NPRM.

The Rule

This action amends Title 14 Code of Federal Regulations (14 CFR) part 71 establishing two RNAV T-routes, T-267 and T-271, and modifying three RNAV T-routes and one Q-route in Alaska. In response to comments received for a NPRM published February 12, 2009, (74 FR 7012), a new T-route (T-267) is established, which will circumvent the ocean near Kotzebue, AK, allowing IFR aircraft to fly closer to the shoreline. Also, one modified T-route continues south from Frederick's Point Non-directional Beacon, for connectivity between Juneau and Ketchikan, AK. Two T-routes are modified to allow lower minimum en route altitudes to be flown. Additionally, one Q-route is revised to provide a more direct route between Anchorage and Galena, AK. The RNAV routes described in this rule will enhance safety, and facilitate more flexible and efficient use of the navigable airspace for en route IFR operations in Alaska.

High Altitude RNAV routes are published in paragraph 2006, and Low Altitude RNAV routes are published in paragraph 6011, in FAA Order 7400.9U dated August 18, 2010, and effective September 15, 2010, which is incorporated by reference in 14 CFR 71.1. The airspace designations listed in this document will be published subsequently in the Order.

The FAA has determined that this regulation only involves an established body of technical regulations for which frequent and routine amendments are necessary to keep them operationally current. Therefore, this regulation: (1) Is not a "significant regulatory action" under Executive Order 12866; (2) is not a "significant rule" under Department of Transportation (DOT) Regulatory Policies and Procedures (44 FR 11034; February 26, 1979); and (3) does not warrant preparation of a regulatory evaluation as the anticipated impact is so minimal. Since this is a routine matter that will only affect air traffic procedures and air navigation, it is certified that this rule, when promulgated, will not have a significant economic impact on a substantial number of small entities under the criteria of the Regulatory Flexibility Act.

The FAA's authority to issue rules regarding aviation safety is found in

Title 49 of the United States Code, Subtitle I, Section 106 describes the authority of the FAA Administrator. Subtitle VII, Aviation Programs, describes in more detail the scope of the agency's authority.

This rulemaking is promulgated under the authority described in Subtitle VII, Part A, Subpart I, Section 40103. Under that section, the FAA is charged with prescribing regulations to assign the use of the airspace necessary to ensure the safety of aircraft and the efficient use of airspace. This regulation is within the scope of that authority as it establishes and amends RNAV routes in Alaska.

Environmental Review

The FAA has determined that this action qualifies for categorical exclusion under the National Environmental Policy Act in accordance with FAA Order 1050.1E, Environmental Impacts: Policies and Procedures, paragraph 311a. This airspace action is not expected to cause any potentially significant environmental impacts, and no extraordinary circumstances exist that warrant preparation of an environmental assessment.

List of Subjects in 14 CFR Part 71

Airspace, Incorporation by reference, Navigation (air).

Adoption of the Amendment

■ In consideration of the foregoing, the Federal Aviation Administration amends 14 CFR part 71 as follows:

PART 71—DESIGNATION OF CLASS A, B, C, D, AND E AIRSPACE AREAS; AIR TRAFFIC SERVICE ROUTES; AND REPORTING POINTS

■ 1. The authority citation for part 71 continues to read as follows:

Authority: 49 U.S.C. 106(g), 40103, 40113, 40120; E.O. 10854, 24 FR 9565, 3 CFR, 1959-1963 Comp., p. 389.

§ 71.1 [Amended]

■ 2. The incorporation by reference in 14 CFR 71.1 of the Federal Aviation Administration Order 7400.9U, Airspace Designations and Reporting Points, dated August 18, 2010, and effective September 15, 2010, is amended as follows:

Paragraph 2006 United States Area Navigation Routes

* * * * *

Q-8 ANC to GAL [Revised]

GAL	VOR/DME	(Lat. 64°44'17" N., long. 156°46'38" W.)
ANC	VOR/DME	(Lat. 61°09'03" N., long. 150°12'24" W.)