

Y will be used. Other modulations should be selected as the signal most likely to disrupt the operation of the system under test, based on its design characteristics. For example, flight control systems may be susceptible to 3 Hz square wave modulation while the video signals for electronic display systems may be susceptible to 400 Hz sinusoidal modulation. If the worst-case modulation is unknown or cannot be determined, default modulations may be used. Suggested default values are a 1 KHz sine wave with 80 percent depth of modulation in the frequency range from 10 KHz to 400 MHz, and 1 KHz square wave with greater than 90 percent depth of modulation from 400 MHz to 18 GHz. For frequencies where the unmodulated signal would cause deviations from normal operation, several different modulating signals with various waveforms and frequencies should be applied.

Applicants must perform a preliminary hazard analysis to identify electrical/electronic systems that perform critical functions. The term "critical" means those functions whose failure would contribute to or cause an unsafe condition that would prevent the continued safe flight and landing of the helicopter. The systems identified by the hazard analysis as performing critical functions are required to have HIRF protection. A system may perform both critical and non-critical functions. Primary electronic flight display systems and their associated components perform critical functions such as attitude, altitude, and airspeed indications. HIRF requirements would apply only to the systems that perform critical functions, including control and display.

Acceptable system performance would be attained by demonstrating that the critical function components of the system under consideration continue to perform their intended function during and after exposure to required electromagnetic fields. Deviations from system specifications may be acceptable, but must be independently assessed by the FAA on a case-by-case basis.

TABLE 1.—ROTORCRAFT CRITICAL CONTROL FUNCTIONS FIELD STRENGTH VOLTS/METER

Frequency	Peak	Average
10 kHz–100 kHz	150	150
100 kHz–500 kHz	200	200
500 kHz–2 MHz	200	200
2 MHz–30 MHz	200	200
30 MHz–70 MHz	200	200
70 MHz–100 MHz	200	200

TABLE 1.—ROTORCRAFT CRITICAL CONTROL FUNCTIONS FIELD STRENGTH VOLTS/METER—Continued

Frequency	Peak	Average
100 MHz–200 MHz ...	200	200
200 MHz–400 MHz ...	200	200
400 MHz–700 MHz ...	730	200
700 MHz–1 GHz	1400	240
1 GHz–2 GHz	5000	250
2 GHz–4 GHz	6000	490
4 GHz–6 GHz	7200	400
6 GHz–8 GHz	1100	170
8 GHz–12 GHz	5000	330
12 GHz–18 GHz	2000	330
18 GHz–40 GHz	1000	420

TABLE 2.—ROTORCRAFT CRITICAL CONTROL FUNCTIONS FIELD STRENGTH VOLTS/METER

Frequency	Peak	Average
10 kHz–100 kHz	50	50
100 kHz–500 kHz	50	50
500 kHz–2 MHz	50	50
2 MHz–30 MHz	100	100
30 MHz–70 MHz	50	50
70 MHz–100 MHz	50	50
100 MHz–200 MHz ...	100	100
200 MHz–400 MHz ...	100	100
400 MHz–700 MHz ...	700	50
700 MHz–1 GHz	700	100
1 GHz–2 GHz	2000	200
2 GHz–4 GHz	3000	200
4 GHz–6 GHz	3000	200
6 GHz–8 GHz	1000	200
8 GHz–12 GHz	3000	300
12 GHz–18 GHz	2000	200
18 GHz–40 GHz	600	200

Applicability

As previously discussed, this special condition is applicable to the Agusta S.p.A. Model AB139 helicopter. Should Agusta S.p.A. apply at a later date for a change to the type certificate to include another model incorporating the same novel or unusual design feature, the special condition would apply to that model as well under the provisions of § 21.101(a)(1).

Conclusion

This action affects only certain novel or unusual design features on one model series of helicopters. It is not a rule of general applicability and affects only the applicant who applied to the FAA for approval of these features on the helicopter.

The substance of this special condition has been subjected to the notice and comment period previously and is written without substantive change from those previously issued. It is unlikely that prior public comment would result in a significant change

from the substance contained in this special condition. For this reason, we have determined that prior public notice and comment are unnecessary, and good cause exists for adopting this special condition upon issuance. The FAA is requesting comments to allow interested persons to submit views that may not have been submitted in response to the prior opportunities for comment described above.

List of Subjects in 14 CFR Parts 21 and 29

Aircraft, Air transportation, Aviation safety, Rotorcraft, Safety.

The authority citation for these special conditions is as follows: 42 U.S.C. 7572; 49 U.S.C. 106(g), 40105, 40113, 44701–44702, 44704, 44709, 44711, 44713, 44715, 45303.

The Special Condition

Accordingly, pursuant to the authority delegated to me by the Administrator, the following special condition is issued as part of the type certification basis for Agusta S.p.A. Model AB139 helicopters.

Protection for Electrical and Electronic Systems from High Intensity Radiated Fields

Each system that performs critical functions must be designed and installed to ensure that the operation and operational capabilities of these critical functions are not adversely affected when the helicopter is exposed to high intensity radiated fields external to the helicopter.

Issued in Fort Worth, Texas, on February 19, 2004.

David Downey,

Manager, Rotorcraft Directorate, Aircraft Certification Service.

[FR Doc. 04–5028 Filed 3–4–04; 8:45 am]

BILLING CODE 4910–13–P

DEPARTMENT OF TRANSPORTATION

Federal Aviation Administration

14 CFR Part 39

[Docket No. 2001–NM–301–AD; Amendment 39–13498; AD 2004–05–04]

RIN 2120–AA64

Airworthiness Directives; Airbus Model A319 and A320 Series Airplanes

AGENCY: Federal Aviation Administration, DOT.

ACTION: Final rule.

SUMMARY: This amendment adopts a new airworthiness directive (AD),

applicable to certain Airbus Model A319 and A320 series airplanes, that requires an inspection of the clearance space between the fuel quantity indication (FQI) probes located in the center fuel tank and the adjacent structure, an inspection of the position of the support bracket for each probe, an inspection of the part number for each support bracket, and corrective action if necessary. The actions specified by this AD are intended to prevent the loss of FQI of the center fuel tank, and electrical arcing between the FQI probes and the adjacent structure in the event that the airplane is struck by lightning. Such arcing could create a potential ignition source within the center fuel tank and an increased risk of a fuel tank explosion and fire. This action is intended to address the identified unsafe condition.

DATES: Effective April 9, 2004.

The incorporation by reference of a certain publication listed in the regulations is approved by the Director of the Federal Register as of April 9, 2004.

ADDRESSES: The service information referenced in this AD may be obtained from Airbus, 1 Rond Point Maurice Bellonte, 31707 Blagnac Cedex, France. This information may be examined at the Federal Aviation Administration (FAA), Transport Airplane Directorate, Rules Docket, 1601 Lind Avenue, SW., Renton, Washington; or at the Office of the Federal Register, 800 North Capitol Street, NW., suite 700, Washington, DC.

FOR FURTHER INFORMATION CONTACT: Dan Rodina, Aerospace Engineer, International Branch, ANM-116, FAA, Transport Airplane Directorate, 1601 Lind Avenue, SW., Renton, Washington 98055-4056; telephone (425) 227-2125; fax (425) 227-1149.

SUPPLEMENTARY INFORMATION: A proposal to amend part 39 of the Federal Aviation Regulations (14 CFR part 39) to include an airworthiness directive (AD) that is applicable to certain Airbus Model A319 and A320 series airplanes was published as a supplemental notice of proposed rulemaking (NPRM) in the **Federal Register** on December 3, 2003 (68 FR 67622). That action proposed to require an inspection of the clearance space between the fuel quantity indication probes located in the center fuel tank and the adjacent structure, an inspection of the position of the support bracket for each probe, an inspection of the part number for each support bracket, and corrective action if necessary.

Comments

Interested persons have been afforded an opportunity to participate in the making of this amendment. No comments were submitted in response to the supplemental NPRM or the FAA's determination of the cost to the public.

Conclusion

After careful review of the available data, the FAA has determined that air safety and the public interest require the adoption of the rule as proposed in the supplemental NPRM.

Cost Impact

There are approximately 25 airplanes of U.S. registry that will be affected by this AD. It will take approximately 1 work hour per airplane to accomplish the required inspection, at an average labor rate of \$65 per work hour. Based on these figures, the cost impact of this AD on U.S. operators is estimated to be \$1,625, or \$65 per airplane.

The cost impact figure discussed above is based on assumptions that no operator has yet accomplished any of the requirements of this AD action, and that no operator would accomplish those actions in the future if this AD were not adopted. The cost impact figures discussed in AD rulemaking actions represent only the time necessary to perform the specific actions actually required by the AD. These figures typically do not include incidental costs, such as the time required to gain access and close up, planning time, or time necessitated by other administrative actions.

Regulatory Impact

The regulations adopted herein 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. Therefore, it is determined that this final rule does not have federalism implications under Executive Order 13132.

For the reasons discussed above, I certify that this action (1) is not a "significant regulatory action" under Executive Order 12866; (2) is not a "significant rule" under 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. A final evaluation has been prepared for this action and it is contained in the Rules Docket. A copy of it may be obtained from the Rules

Docket at the location provided under the caption **ADDRESSES**.

List of Subjects in 14 CFR Part 39

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

Adoption of the Amendment

■ Accordingly, pursuant to the authority delegated to me by the Administrator, the Federal Aviation Administration amends part 39 of the Federal Aviation Regulations (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. Section 39.13 is amended by adding the following new airworthiness directive:

2004-05-04 Airbus: Amendment 39-13498. Docket 2001-NM-301-AD.

Applicability: Model A319 and A320 series airplanes, as listed in Airbus Service Bulletin A320-28A1096, Revision 03, dated August 27, 2002; certificated in any category.

Compliance: Required as indicated, unless accomplished previously.

To prevent the loss of fuel quantity indication (FQI) of the center fuel tank, and to reduce the potential for an ignition source and possible explosion within the center fuel tank due to electrical arcing between the FQI probes and the adjacent structure in the event that the airplane is struck by lightning, accomplish the following:

Inspection

(a) Within 4,000 flight hours after the effective date of this AD, perform the actions specified in paragraphs (a)(1) and (a)(2) of this AD per the Accomplishment Instructions of Airbus Service Bulletin A320-28A1096, Revision 03, dated August 27, 2002. Although this service bulletin specifies to submit certain information to the manufacturer, this AD does not include such a requirement.

(1) Perform a one-time detailed inspection for proper clearance space between each FQI probe located in the center fuel tank and the adjacent structure; and a one-time detailed inspection of the position of the support bracket for each probe.

Note 1: For the purposes of this AD, a detailed inspection is defined as: "An intensive visual examination of a specific structural area, system, installation, or assembly to detect damage, failure, or irregularity. Available lighting is normally supplemented with a direct source of good lighting at intensity deemed appropriate by the inspector. Inspection aids such as mirror, magnifying lenses, etc., may be used. Surface cleaning and elaborate access procedures may be required."

(2) Inspect the support bracket for each probe to determine the part number of the support bracket.

Corrective Action

(b) During the inspections required by paragraph (a) of this AD, if the clearance between any FQI probe and the adjacent structure is determined to be less than 6.00 millimeters (0.236 inch), or if the position or part number of any probe support bracket is not correct, before further flight, remove and re-install the probe and its support bracket in the correct position, per Airbus Service Bulletin A320-28A1096, Revision 03, dated August 27, 2002.

Inspections Accomplished Per Previous Issue of Service Bulletin

(c) Inspections and corrective actions accomplished before the effective date of this AD per Airbus Service Bulletin A320-28A1096, dated March 23, 2001; Revision 01, dated July 4, 2001; or Revision 02, dated October 16, 2001; are considered acceptable for compliance with the corresponding action specified in this AD.

Alternative Methods of Compliance

(d) In accordance with 14 CFR 39.19, the Manager, International Branch, ANM-116, Transport Airplane Directorate, FAA, is authorized to approve alternative methods of compliance for this AD.

Incorporation by Reference

(e) Unless otherwise specified in this AD, the actions shall be done in accordance with Airbus Service Bulletin A320-28A1096, Revision 03, excluding Appendix 01, dated August 27, 2002. This incorporation by reference was approved by the Director of the Federal Register in accordance with 5 U.S.C. 552(a) and 1 CFR part 51. Copies may be obtained from Airbus, 1 Rond Point Maurice Bellonte, 31707 Blagnac Cedex, France. Copies may be inspected at the FAA, Transport Airplane Directorate, 1601 Lind Avenue, SW., Renton, Washington; or at the Office of the Federal Register, 800 North Capitol Street, NW., suite 700, Washington, DC.

Note 2: The subject of this AD is addressed in French airworthiness directive 2001-271(B), dated June 27, 2001.

Effective Date

(f) This amendment becomes effective on April 9, 2004.

Issued in Renton, Washington, on February 20, 2004.

Kalene C. Yanamura,

Acting Manager, Transport Airplane Directorate, Aircraft Certification Service.

[FR Doc. 04-4564 Filed 3-4-04; 8:45 am]

BILLING CODE 4910-13-P

DEPARTMENT OF TRANSPORTATION

Federal Aviation Administration

14 CFR Part 39

[Docket No. 2002-NM-113-AD; Amendment 39-13499; AD 2004-05-05]

RIN 2120-AA64

Airworthiness Directives; Airbus Model A300 B2-1C, B2-203, B2K-3C, B4-2C, B4-103, and B4-203 Series Airplanes; Model A300 B4-600, B4-600R, and F4-600R (Collectively Called A300-600) Series Airplanes; and Model A310 Series Airplanes

AGENCY: Federal Aviation Administration, DOT.

ACTION: Final rule.

SUMMARY: This amendment supersedes an existing airworthiness directive (AD), applicable to all Airbus Model A300 B2-1C, B2-203, B2K-3C, B4-2C, B4-103, and B4-203 series airplanes, that currently requires a one-time inspection of the space between the fuel quantity indication (FQI) probes and any adjacent structures for minimum clearance, and corrective action if necessary. This amendment expands the applicability in the existing AD and requires the subject one-time inspection on additional airplanes. The actions specified by this AD are intended to prevent the possibility of electrical arcing to the fuel tank if the airplane should be struck by lightning. Such arcing could create a potential ignition source within the fuel tank and an increased risk of a fuel tank explosion and fire. This action is intended to address the identified unsafe condition.

DATES: Effective April 9, 2004.

The incorporation by reference of certain publications, as listed in the regulations, is approved by the Director of the Federal Register as of April 9, 2004.

The incorporation by reference of a certain other publication, as listed in the regulations, was approved previously by the Director of the Federal Register as of August 1, 2001 (66 FR 34088, June 27, 2001).

ADDRESSES: The service information referenced in this AD may be obtained from Airbus, 1 Rond Point Maurice Bellonte, 31707 Blagnac Cedex, France. This information may be examined at the Federal Aviation Administration (FAA), Transport Airplane Directorate, Rules Docket, 1601 Lind Avenue, SW., Renton, Washington; or at the Office of the Federal Register, 800 North Capitol Street, NW., suite 700, Washington, DC.

FOR FURTHER INFORMATION CONTACT: Dan Rodina, Aerospace Engineer, International Branch, ANM-116, FAA, Transport Airplane Directorate, 1601 Lind Avenue, SW., Renton, Washington 98055-4056; telephone (425) 227-2125; fax (425) 227-1149.

SUPPLEMENTARY INFORMATION: A proposal to amend part 39 of the Federal Aviation Regulations (14 CFR part 39) by superseding AD 2001-13-09, amendment 39-12289 (66 FR 34088, June 27, 2001), which is applicable to all Airbus Model A300 B2-1C, B2-203, B2K-3C, B4-2C, B4-103, and B4-203 series airplanes, was published in the **Federal Register** on October 2, 2003 (68 FR 56799). The action proposed to require a one-time inspection of the space between the fuel quantity indication (FQI) probes and any adjacent structures for minimum clearance, and corrective action if necessary.

Comments

Interested persons have been afforded an opportunity to participate in the making of this amendment. Due consideration has been given to the comments received.

Request for an Alternative Method of Compliance (AMOC)

One commenter states that in 1999 it began replacing the factory-installed fuel quantity indicating system (FQIS) on its A300-600 series airplanes with a Goodrich system, certified by Supplemental Type Certificate (STC) 00092BO. In addition, the commenter states that, as of January 2001, all its airplanes were modified per the Goodrich STC, which, due to increased clearance by an improved design, provides a greater level of safety than the factory-installed system. The commenter asks that the FQIS that is installed per the Goodrich STC be included as a second method of compliance, or that the proposed AD be revised to include credit for the airplanes already modified.

The FAA cannot agree to other methods of compliance since no supporting data that such installation would provide an acceptable level of safety were provided to us to substantiate the commenter's request. For airplanes that have been previously modified, altered, or repaired in the areas addressed by these inspections, the operator may not need or be able to accomplish the requirements of the proposed AD. In this situation, to comply with 14 CFR 91.403(c), the operator must request approval for an alternative method of compliance in accordance with paragraph (d)(1) of this