

boundary of sec. 15, T. 37 S., R. 25 E.; then north along the western boundary of sec. 15, T. 37 S., R. 25 E. to the northwest corner of sec. 15, T. 37 S., R. 25 E.; then west approximately 1,710 feet to the southwest corner of Multiblocks (MB) 52, 62, and 63; then north approximately 1,221 feet to the northwest corner of MB 52, 62, and 63; then east approximately 366 feet to the southwest corner of MB 51, 60, and 61; then north approximately 6,716 feet, crossing McIntyre Road and continuing to the midpoint of sec. 4, T. 37 S., R. 25 E.; then east approximately 1,221 feet to the western boundary of sec. 3, T. 37 S., R. 25 E.; then north approximately 977 feet to the southwest corner of MB 1, 17, 18, 19, and 20; then east approximately 2,442 feet; then north approximately 1,710 feet to the northern boundary of sec. 3, T. 37 S., R. 25 E.; then east to the northeast corner of sec. 2, T. 37 S., R. 25 E.; then south to the northeast corner of sec. 11, T. 37 S., R. 25 E., the point of beginning.

* * * * *

Lee County. * * *

(2) Pine Island quarantined area. That portion of the county bounded by a line drawn as follows: Beginning on the eastern Pine Island shoreline at a point on Cubles Drive at latitude N. 26.639400, longitude W. -82.106568; then south from that point along the eastern Pine Island shoreline to a point defined by latitude N. 26.619100, longitude W. -82.105556; then west from that point to Birdsong Lane; then west on Birdsong Lane to Stringfellow Road; then north on Stringfellow Road to latitude N. 26.619628, longitude W. -82.118863; then west from that point to latitude N. 26.319436, longitude W. -82.123956; then north from that point to latitude N. 26.624970, longitude W. -82.123990; then west from that point to latitude N. 26.624978, longitude W. -82.124627; then north from that point to latitude N. 26.626005, longitude W. -82.124567; then west from that point to latitude N. 26.626088, longitude W. -82.125245; then north from that point to latitude N. 26.634922, longitude W. -82.125165; then east from that point to Harry Street; then north on Harry Street to latitude N. 26.649310, longitude W. -82.125209; then east from that point to Stringfellow Road; then north on Stringfellow Road to Sailfish Road; then east on Sailfish Road to Marlin Road; then north on Marlin Road to Porpoise Road; then east on Porpoise Road to Dolphin Road; then north on Dolphin Road to Tarpon Road; then east on Tarpon Road to a point on Cristi Way at latitude N. 26.638367, longitude W. -82.118612; then north

from that point to latitude N. 26.638860, longitude W. -82.118562; then east from that point to a point on Sherwood Road at latitude N. 26.638865, longitude W. -82.109475; then north from that point to the intersection of Sherwood Road and Cubles Drive; then east on Cubles Drive to the point of beginning.

* * * * *

Done in Washington, DC, this 18th day of February 2005.

Elizabeth E. Gaston,

Acting Administrator, Animal and Plant Health Inspection Service.

[FR Doc. 05-3685 Filed 2-24-05; 8:45 am]

BILLING CODE 3410-34-P

DEPARTMENT OF TRANSPORTATION

Federal Aviation Administration

14 CFR Part 25

[Docket No. NM302; Special Conditions No. 25-286-SC]

Special Conditions: Cessna Aircraft Company Model 501 Airplanes; High Intensity Radiated Fields (HIRF)

AGENCY: Federal Aviation Administration (FAA), DOT.

ACTION: Final special conditions; request for comments.

SUMMARY: These special conditions are issued for Cessna Aircraft Company Model 501 airplanes modified by Garrett Aviation Services. These airplanes will have novel and unusual design features when compared to the state of technology envisioned in the airworthiness standards for transport category airplanes. The modification incorporates the installation of Electronic Flight Displays with Engine Indication and Flight Information Systems. The applicable airworthiness regulations do not contain adequate or appropriate safety standards for the protection of these systems from the effects of high-intensity-radiated fields (HIRF). These special conditions contain the additional safety standards that the Administrator considers necessary to establish a level of safety equivalent to that established by the existing airworthiness standards.

DATES: The effective date of these special conditions is February 16, 2005. Comments must be received on or before March 28, 2005.

ADDRESSES: Comments on these special conditions may be mailed in duplicate to: Federal Aviation Administration, Transport Airplane Directorate, Attn: Rules Docket (ANM-113), Docket No. NM302, 1601 Lind Avenue SW.,

Renton, Washington, 98055-4056; or delivered in duplicate to the Transport Airplane Directorate at the above address. Comments must be marked: Docket No. NM302.

FOR FURTHER INFORMATION CONTACT: Greg Dunn, FAA, Airplane and Flight Crew Interface Branch, ANM-111, Transport Airplane Directorate, Aircraft Certification Service, 1601 Lind Avenue SW., Renton, Washington, 98055-4056; telephone (425) 227-2799; facsimile (425) 227-1149.

SUPPLEMENTARY INFORMATION:

Comments Invited

The FAA has determined that notice and opportunity for prior public comment is impracticable because these procedures would significantly delay certification of the airplanes and thus delivery of the affected aircraft. In addition, the substance of these special conditions has been subject to the public comment process in several prior instances with no substantive comments received. The FAA therefore finds that good cause exists for making these special conditions effective upon issuance; however, we invite interested persons to participate in this rulemaking by submitting written comments, data, or views. The most helpful comments reference a specific portion of the special conditions, explain the reason for any recommended change, and include supporting data. We ask that you send us two copies of written comments.

We will file in the docket all comments we receive, as well as a report summarizing each substantive public contact with FAA personnel concerning these special conditions. The docket is available for public inspection before and after the comment closing date. If you wish to review the docket in person, go to the address in the **ADDRESSES** section of this preamble between 7:30 a.m. and 4 p.m. Monday through Friday, except Federal holidays.

We will consider all comments we receive on or before the closing date for comments. We will consider comments filed late if it is possible to do so without incurring expense or delay. We may change these special conditions in light of the comments received.

If you want the FAA to acknowledge receipt of your comments on these special conditions, include with your comments a pre-addressed, stamped postcard on which the docket number appears. We will stamp the date on the postcard and mail it back to you.

Background

On August 11, 2004, Garrett Aviation Services, 1200 North Airport Drive,

Capital Airport, Springfield, IL 62707, applied for a supplemental type certificate (STC) to modify Cessna Aircraft Company Model 501 airplanes. These models are currently approved under Type Certificate No. A27CE. These Cessna airplane models are small transport category airplanes. The Cessna Model 501 is powered by two Pratt & Whitney Aircraft of Canada, Ltd., JT15D-1A or JT15D-1B turboprops; has a maximum takeoff weight of 11,850 pounds, and operates with one to two-pilot crews and holds up to 9 passengers. The modification incorporates the installation of the IDS-3000 Integrated Display System with EIS-3000 Engine Indication System and IFIS-5000 Integrated Flight Information System. The avionics/electronics and electrical systems installed in these airplanes have the potential to be vulnerable to high-intensity radiated fields (HIRF) external to the airplanes.

Type Certification Basis

Under the provisions of 14 CFR 21.101, Garrett Aviation Services must show that the Cessna Aircraft Company Model 501 airplanes, as changed, continue to meet the applicable provisions of the regulations incorporated by reference in Type Certificate No. A27CE, or the applicable regulations in effect on the date of application for the change. The regulations incorporated by reference in the type certificate are commonly referred to as the "original type certification basis." The certification basis for the Cessna Model 501 series airplanes include part 23 of 14 CFR effective February 1, 1965, as amended by amendments 23-1 through 23-16 except as follows: delete §§ 23.45 through 23.77, 23.831, 23.1091(c)(2), 23.1303, 23.1323, 23.1441 through 23.1449, 23.1581 through 23.1583(f), and 23.1583(h) through 23.1587. Add §§ 23.1385 as amended through 23-20, and part 25 of 14 CFR effective February 1, 1965, as amended by amendments 25-1 through 25-17; §§ 25.1195, 25.1199 and 25.1203 as amended by amendments 25-1 through 25-37; §§ 25.101 through 25.125, 25.831, 25.934, 25.1091(d)(2), 25.1197, 25.1201, 25.1303, 25.1305(a)(7), 25.1323, 25.1439 through 25.1453, 25.1581 through 25.1583(c)(3), and §§ 25.1583(e) through 25.1587.

If the Administrator finds that the applicable airworthiness regulations (*i.e.*, part 25, as amended) do not contain adequate or appropriate safety standards for modified Cessna Aircraft Company Model 501 airplanes, because of a novel or unusual design feature,

special conditions are prescribed under the provisions of § 21.16.

In addition to the applicable airworthiness regulations and special conditions, the Cessna Model 501 airplanes must comply with the fuel vent and exhaust emission requirements of 14 CFR part 34 and the noise certification requirements of 14 CFR part 36.

Special conditions, as defined in 14 CFR 11.19, are issued in accordance with § 11.38, and become part of the type certification basis in accordance with § 21.101.

Special conditions are initially applicable to the model for which they are issued. Should Garrett Aviation Services apply at a later date for a supplemental type certificate to modify any other model included on Type Certificate No. A27CE to incorporate the same novel or unusual design feature, these special conditions would also apply to the other model under the provisions of § 21.101.

Novel or Unusual Design Features

As noted earlier, the Cessna Aircraft Company Model 501 airplanes modified by Garrett Aviation Services will incorporate electronic displays with Engine Indication and Flight Information systems that will perform critical functions. These systems may be vulnerable to high-intensity radiated fields external to the airplane. The current airworthiness standards of part 25 do not contain adequate or appropriate safety standards for the protection of this equipment from the adverse effects of HIRF. Accordingly, this system is considered to be a novel or unusual design feature.

Discussion

There is no specific regulation that addresses protection requirements for electronic and electrical systems from HIRF. Increased power levels from ground-based radio transmitters and the growing use of sensitive avionics/electronics and electrical systems to command and control airplanes have made it necessary to provide adequate protection.

To ensure that a level of safety is achieved equivalent to that intended by the regulations incorporated by reference, special conditions are needed for the Cessna Model 501 airplanes modified by Garrett Aviation Services. These special conditions require that new avionics/electronics and electrical systems that perform critical functions be designed and installed to preclude component damage and interruption of function due to both the direct and indirect effects of HIRF.

High-Intensity Radiated Fields (HIRF)

With the trend toward increased power levels from ground-based transmitters, and the advent of space and satellite communications, coupled with electronic command and control of the airplane, the immunity of critical digital avionics/electronics and electrical systems to HIRF must be established.

It is not possible to precisely define the HIRF to which the airplane will be exposed in service. There is also uncertainty concerning the effectiveness of airframe shielding for HIRF. Furthermore, coupling of electromagnetic energy to cockpit-installed equipment through the cockpit window apertures is undefined. Based on surveys and analysis of existing HIRF emitters, an adequate level of protection exists when compliance is shown with either HIRF protection special condition paragraph 1 or 2 below:

1. A minimum threat of 100 volts rms (root-mean-square) per meter electric field strength from 10 KHz to 18 GHz.

a. The threat must be applied to the system elements and their associated wiring harnesses without the benefit of airframe shielding.

b. Demonstration of this level of protection is established through system tests and analysis.

2. A threat external to the airframe of the field strengths identified in the table below for the frequency ranges indicated. Both peak and average field strength components from the table are to be demonstrated.

Frequency	Field strength (volts per meter)	
	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

The field strengths are expressed in terms of peak of the root-mean-square (rms) over the complete modulation period.

The threat levels identified above are the result of an FAA review of existing studies on the subject of HIRF, in light of the ongoing work of the

Electromagnetic Effects Harmonization Working Group of the Aviation Rulemaking Advisory Committee.

Applicability

As discussed above, these special conditions are applicable to the Cessna Aircraft Company Model 501 airplanes. Should Garrett Aviation Services apply at a later date for a supplemental type certificate to modify any other model included on Type Certificate No. A27CEU to incorporate the same or similar novel or unusual design feature, these special conditions would apply to that model as well under the provisions of § 21.101.

Conclusion

This action affects only certain novel or unusual design features on the Cessna Model 501 airplanes modified by Garrett Aviation Services. 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 airplane.

The substance of the special conditions for these airplanes has been subjected to the notice and comment procedure in several prior instances and has been derived without substantive change from those previously issued. Because a delay would significantly affect the certification of the airplane, which is imminent, the FAA has determined that prior public notice and comment are unnecessary and impracticable, and good cause exists for adopting these special conditions 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 Part 25

Aircraft, Aviation safety, Reporting and recordkeeping requirements.

■ The authority citation for these special conditions is as follows:

Authority: 49 U.S.C. 106(g), 40113, 44701, 44702, 44704.

The Special Conditions

■ Accordingly, pursuant to the authority delegated to me by the Administrator, the following special conditions are issued as part of the supplemental type certification basis for the Cessna Aircraft Company Model 501 airplanes modified by Garrett Aviation Services.

1. *Protection from Unwanted Effects of High-Intensity Radiated Fields (HIRF)*. Each electronic and electrical system that performs critical functions must be designed and installed to

ensure that the operation and operational capability of these systems to perform critical functions are not adversely affected when the airplane is exposed to high intensity radiated fields.

2. For the purpose of these special conditions, the following definition applies: *Critical Functions*: Functions whose failure would contribute to or cause a failure condition that would prevent the continued safe flight and landing of the airplane.

Issued in Renton, Washington, on February 16, 2005.

Ali Bahrami,

Manager, Transport Airplane Directorate, Aircraft Certification Service.

[FR Doc. 05-3614 Filed 2-24-05; 8:45 am]

BILLING CODE 4910-13-P

DEPARTMENT OF TRANSPORTATION

Federal Aviation Administration

14 CFR Part 39

[Docket No. FAA-2005-20108; Directorate Identifier 2005-NM-006-AD; Amendment 39-13985; AD 2005-04-13]

RIN 2120-AA64

Airworthiness Directives; Short Brothers Model SD3-60 Series Airplanes

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

ACTION: Final rule; request for comments.

SUMMARY: The FAA is adopting a new airworthiness directive (AD) for all Short Brothers Model SD3-60 series airplanes. This AD requires, for certain airplanes, repetitive inspections for cracking of the balance weight brackets of the elevator trim tabs, and replacement of any cracked bracket with a new or reworked bracket that conforms to the approved design standard. This AD also provides for an optional terminating action for the repetitive inspections. This AD is prompted by reports indicating that balance weight brackets have been found cracked on both the left and right elevator trim tabs. We are issuing this AD to prevent failure of the balance weight bracket for the elevator trim tab, which could cause loss of the balance weight. This could result in incorrect trim during takeoff and landing, and reduced controllability of the airplane.

DATES: Effective March 14, 2005.

The incorporation by reference of a certain publication listed in the AD is

approved by the Director of the Federal Register as of March 14, 2005.

We must receive comments on this AD by April 26, 2005.

ADDRESSES: Use one of the following addresses to submit comments on this AD.

- *DOT Docket Web site:* Go to <http://dms.dot.gov> and follow the instructions for sending your comments electronically.

- *Government-wide rulemaking Web site:* Go to <http://www.regulations.gov> and follow the instructions for sending your comments electronically.

- *Mail:* Docket Management Facility; U.S. Department of Transportation, 400 Seventh Street, SW., Nassif Building, room PL-401, Washington, DC 20590.

- *Fax:* (202) 493-2251.

- *Hand Delivery:* Room PL-401 on the plaza level of the Nassif Building, 400 Seventh Street, SW., Washington, DC, between 9 a.m. and 5 p.m., Monday through Friday, except Federal holidays.

For service information identified in this AD, contact Short Brothers, Airworthiness & Engineering Quality, P.O. Box 241, Airport Road, Belfast BT3 9DZ, Northern Ireland. You can examine this information 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.

You can examine the contents of this AD docket on the Internet at <http://dms.dot.gov>, or in person at the Docket Management Facility, U.S. Department of Transportation, 400 Seventh Street, SW., room PL-401, on the plaza level of the Nassif Building, Washington, DC. This docket number is FAA-2005-20108; the directorate identifier for this docket is 2005-NM-006-AD.

Examining the Docket

You can examine the AD docket on the Internet at <http://dms.dot.gov>, or in person at the Docket Management Facility office between 9 a.m. and 5 p.m., Monday through Friday, except Federal holidays. The Docket Management Facility office (telephone (800) 647-5227) is located on the plaza level of the Nassif Building at the DOT street address stated in the **ADDRESSES** section. Comments will be available in the AD docket shortly after the DMS receives them.

FOR FURTHER INFORMATION CONTACT:

Todd Thompson, Aerospace Engineer, International Branch, ANM-116, FAA, Transport Airplane Directorate, 1601 Lind Avenue, SW., Renton, Washington