

(2) A copy of the board resolution establishing the contribution-in-aid of construction program.

(3) A summary of the calculations used to determine the average cost per residential consumer. (See § 1721.104 (e)(2)).

§ 1721.106 Repayment of deferred payments.

(a) *Deferments relating to financial hardship.* The total amount of principal and interest that has been deferred, including interest on deferred principal, will be added to the principal balance, and the total amount of principal and interest that has been deferred will be reamortized over the life of the applicable note beginning in the first year the deferral period ends. For example: the amount of interest deferred in years 2001, 2002, 2003, 2004, and 2005, will be added to the principal balance and reamortized over the life of the applicable note for repayment starting in year 2006.

(b) *Deferments relating to the ERC loan program, renewable energy project, and the contribution-in-aid of construction.* An extension agreement is for a term of two (2) years. The installment will be recalculated each time the Borrower defers the payment of principal and recognition of the deferred amount will begin with the next payment. For example: the amount deferred in the October payment will be reamortized over a 84 month period starting with the next payment (November if paying on a monthly basis). When a Borrower defers principal under any of these programs the scheduled payment on the account will increase by an amount sufficient to pay off the deferred amount, with interest, by the date specified in the agreement (usually 84 months (28 quarters)).

§ 1721.107 Agreement.

After approval of the Borrower's request for a deferment of principal and interest, an extension agreement, containing the terms of the extension, together with associated materials, will be prepared and forwarded to the Borrower by RUS. The extension agreement will then be executed and returned to RUS by the Borrower.

§ 1721.108 Commencement of the deferment.

The deferment of principal and interest will not begin until the extension agreement and other supporting materials, in form and substance satisfactory to RUS, have been executed by the Borrower and returned to RUS. Examples of other supporting

materials are items such as approving legal opinions from the Borrower's attorney and approvals from the relevant regulatory body for extending the maturity of existing debt and for the additional debt service payment incurred.

§ 1721.109 OMB control number.

The information collection requirements in this part are approved by the Office of Management and Budget and assigned OMB control number 0572-0123.

Dated: December 18, 2001.

Hilda Gay Legg,

Administrator, Rural Utilities Service.

[FR Doc. 02-234 Filed 1-3-02; 8:45 am]

BILLING CODE 3410-15-P

DEPARTMENT OF TRANSPORTATION

Federal Aviation Administration

14 CFR Part 25

[Docket No. NM204; Special Conditions No. 25-194-SC]

Special Conditions: Dassault Aviation Model Mystere-Falcon 200, 20-C5, 20-D5, 20-E5, and 20-F5; 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 Dassault Aviation Model Mystere-Falcon 200, 20-C5, 20-D5, 20-E5, and 20-F5 airplanes modified by ElectroSonics. These modified airplanes will have a novel or unusual design feature when compared to the state of technology envisioned in the airworthiness standards for transport category airplanes. The modification incorporates the installation of dual Electronic Primary Flight Display systems that perform critical functions. 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 December 27, 2001.

Comments must be received on or before February 4, 2002.

ADDRESSES: Comments on these special conditions may be mailed in duplicate to: Federal Aviation Administration, Transport Airplane Directorate, Attention: Rules Docket (ANM-113), Docket No. NM204, 1601 Lind Avenue SW., Renton, Washington 98055-4056; or delivered in duplicate to the Transport Airplane Directorate at the above address. All comments must be marked: *Docket No. NM204*. Comments may be inspected in the Rules Docket weekdays, except Federal holidays, between 7:30 a.m. and 4 p.m.

FOR FURTHER INFORMATION CONTACT:

Meghan Gordon, FAA, Standardization Branch, ANM-113, Transport Airplane Directorate, Aircraft Certification Service, 1601 Lind Avenue SW., Renton, Washington 98055-4056; telephone (425) 227-2138; facsimile (425) 227-1149.

SUPPLEMENTARY INFORMATION:

Comments Invited

The FAA invites 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 9 a.m. and 5 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 we receive.

If you want the FAA to acknowledge receipt of your comments on this proposal, 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 to you.

Background

On November 9, 2001, ElectroSonics, 4391 International Gateway, Columbus, Ohio, applied for a Supplemental Type Certificate (STC) to modify Dassault Aviation Model Mystere-Falcon 200,

20-C5, 20-D5, 20-E5, and 20-F5 airplanes. The Dassault Aviation Model Mystere-Falcon 200, 20-C5, 20-D5, 20-E5, and 20-F5 are small transport category airplanes.

The Dassault Aviation Model Mystere-Falcon 200 airplanes are powered by two Garrett Turbine Engine Company ATF3-6A-4C turbine engines with a maximum takeoff weight of 32,000 pounds.

The Dassault Aviation Model Mystere-Falcon 20-C5, 20-D5, 20-E5 and 20-F5 airplanes are powered by two Garrett Engine Division Model TFE-5AR-2C engines with a maximum takeoff weight of 29,000 pounds. These airplanes operate with a 2-pilot crew and can hold up to 10 passengers.

The modification of these airplanes incorporates the installation of a Universal Avionics Electronic Flight Instrument System (EFI-550). The EFI-550 is a replacement for the existing Analog Flight Instrumentation, while also providing additional functional capability and redundancy in the system. The avionics/electronics and electrical systems installed in this airplane have the potential to be vulnerable to high-intensity radiated fields (HIRF) external to the airplane.

Type Certification Basis

Under the provisions of 14 CFR 21.101, ElectroSonics must show that the Dassault Aviation Model Mystere-Falcon 200, 20-C5, 20-D5, 20-E5, and 20-F5 airplanes, as changed, continue to meet the applicable provisions of the regulations incorporated by reference in Type Certificate No. A7EU, 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 regulations included in the certification basis for the Dassault Aviation Model Mystere-Falcon 200, 20-C5, 20-D5, 20-E5, and 20-F5 airplanes include Civil Air Regulations 4b, effective December 1953, through Amendment 4b-12; Special Regulation 422B; and 14 CFR part 25, as amended to incorporate Amendments 25-1 through 25-43.

If the Administrator finds that the applicable airworthiness regulations (i.e., part 25, as amended) do not contain adequate or appropriate safety standards for the Dassault Aviation Model Mystere-Falcon 200, 20-C5, 20-D5, 20-E5, and 20-F5 airplanes modified by ElectroSonics, 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, these Dassault Aviation Model Mystere-Falcon 200, 20-C5, 20-D5, 20-E5, and 20-F5 airplanes must comply with the fuel vent and exhaust emission requirements of part 34 and the noise certification requirements of part 36.

Special conditions, as appropriate, are issued in accordance with § 11.49, after public notice, as required by §§ 11.28 and 11.29(b), and become part of the type certification basis in accordance with § 21.101(b)(2).

Special conditions are initially applicable to the model for which they are issued. Should ElectroSonics apply at a later date for a supplemental type certificate to modify any other model included on the same type certificate 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(a)(1).

Novel or Unusual Design Features

As noted earlier, the Dassault Aviation Model Mystere-Falcon 200, 20-C5, 20-D5, 20-E5, and 20-F5 airplanes modified by ElectroSonics will incorporate dual Electronic Primary Flight Display 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 electrical and electronic 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 that is equivalent to that intended by the regulations incorporated by reference, special conditions are needed for the Dassault Aviation Model Mystere-Falcon 200, 20-C5, 20-D5, 20-E5, and 20-F5 airplanes modified by ElectroSonics.

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, plus the advent of space and satellite communications coupled with electronic command and control of the airplane, the immunity of critical 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 with the HIRF protection special condition is shown in accordance with either 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 indicated in Table 1 for the frequency ranges indicated. Both peak and average field strength components from Table 1 are to be demonstrated.

TABLE 1

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

TABLE 1—Continued

Frequency	Field strength (volts per meter)	
	Peak	Average

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 Dassault Aviation Model Mystere-Falcon 200, 20-C5, 20-D5, 20-E5, and 20-F5 airplanes modified by ElectroSonics. Should ElectroSonics apply at a later date for a supplemental type certificate to modify any other model included on the same type certificate to incorporate the same novel or unusual design feature, these special conditions 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 the Dassault Aviation Model Mystere-Falcon 200, 20-C5, 20-D5, 20-E5, and 20-F5 airplanes modified by ElectroSonics. 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 these special conditions has been subjected to the notice and comment period in several prior instances and has been derived without substantive change from those previously issued. It is unlikely that prior public comment would result in a significant change from the substance contained herein. For this reason, and 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 Dassault Aviation Model Mystere-Falcon 200, 20-C5, 20-D5, 20-E5, and 20-F5 airplanes modified by ElectroSonics.

1. *Protection From Unwanted Effects of High-Intensity Radiated Fields (HIRF).* Each electrical and electronic 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 December 27, 2001.

Lirio Liu-Nelson,

Acting Manager, Transport Airplane Directorate, Aircraft Certification Service.
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DEPARTMENT OF TRANSPORTATION

Federal Aviation Administration

14 CFR Part 39

[Docket No. 2001-NM-02-AD; Amendment 39-12514; AD 2001-23-15]

RIN 2120-AA64

Airworthiness Directives; Boeing Model 747 Series Airplanes

AGENCY: Federal Aviation Administration, DOT.

ACTION: Final rule; correction.

SUMMARY: This document corrects information in an existing airworthiness directive (AD) that applies to certain Boeing Model 747 series airplanes. That AD currently requires repetitive detailed

visual inspections to find discrepancies of the installation of the midspar fuse pins of the inboard and outboard struts, and follow-on actions, if necessary. That AD also mandates accomplishment of a terminating modification. This document corrects the omission of the phrase “amendment 39-12514” from the first line of the AD. This correction is necessary to ensure that the amendment number is stated at the beginning of the AD.

DATES: Effective December 31, 2001.

The incorporation by reference of Boeing Service Bulletin 747-54A2206, Revision 2, dated May 17, 2001, as listed in the regulations, was approved previously by the Director of the Federal Register as of December 31, 2001 (66 FR 58913, November 26, 2001).

The incorporation by reference of Boeing Service Bulletin 747-54A2206, Revision 1, dated February 22, 2001, as listed in the regulations, was approved previously by the Director of the Federal Register as of March 21, 2001 (66 FR 13424, March 6, 2001).

FOR FURTHER INFORMATION CONTACT:

Tamara Anderson, Aerospace Engineer, Airframe Branch, ANM-120S, FAA, Seattle Aircraft Certification Office, 1601 Lind Avenue, SW., Renton, Washington 98055-4056; telephone (425) 227-2771; fax (425) 227-1181.

SUPPLEMENTARY INFORMATION: On November 15, 2001, the Federal Aviation Administration (FAA) issued AD 2001-23-15, amendment 39-12514 (66 FR 58913, November 26, 2001), which applies to certain Boeing Model 747 series airplanes. That AD requires repetitive detailed visual inspections to find discrepancies of the installation of the midspar fuse pins of the inboard and outboard struts, and follow-on actions, if necessary. That AD also provides for an optional terminating modification for the repetitive inspections. The actions required by that AD are intended to find and fix discrepancies of the installation of the midspar fuse pins, which could result in loss of the secondary retention capability of the fuse pins, migration of the fuse pins, and consequent loss of the strut and engine from the airplane.

Need for the Correction

The FAA has determined that a correction to AD 2001-23-15 is necessary. The correction will add the amendment number (amendment 39-12514) to the first line of the AD. That number was inadvertently omitted from the final rule, as published.

Correction of Publication

This document corrects the error and correctly adds the AD as an amendment