

Rules and Regulations

Federal Register

Vol. 68, No. 117

Wednesday, June 18, 2003

This section of the FEDERAL REGISTER contains regulatory documents having general applicability and legal effect, most of which are keyed to and codified in the Code of Federal Regulations, which is published under 50 titles pursuant to 44 U.S.C. 1510.

The Code of Federal Regulations is sold by the Superintendent of Documents. Prices of new books are listed in the first FEDERAL REGISTER issue of each week.

DEPARTMENT OF TRANSPORTATION

Federal Aviation Administration

14 CFR Part 25

[Docket No. NM257; Special Conditions No. 25-238-SC]

Special Conditions: Boeing Model 747SP Series; 747-100 Series; and 747-200B, -200C, and -200F Series Airplanes; High-Intensity Fields (HIRF)

AGENCY: Federal Aviation Administration (FAA), DOT.

ACTION: Final special conditions; request for comments

SUMMARY: These special conditions are issued for Boeing Model 747SP series; 747-100 series; and 747-200B, -200C, and -200F series airplanes. These 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 airplane modification includes the installation of an Electronic Flight Instrument System (EFIS), which performs critical functions. The applicable airworthiness regulations do not contain adequate or appropriate safety standards for the protection of this system 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.

EFFECTIVE DATE: The effective date of these special conditions is June 10, 2003. Comments must be received on or before July 18, 2003.

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. NM257, 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. NM257.

FOR FURTHER INFORMATION CONTACT: Greg Dunn, FAA, Airplane and Flight Crew 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 public comment in accordance with 14 CFR 11.38 are unnecessary, because the FAA has provided previous opportunities to comment on substantially identical special conditions and has fully considered and addressed all the substantive comments received. Based on a review of the comment history and the comment resolution, the FAA is satisfied that new comments are unlikely. The FAA, therefore, finds that good cause exists for making these special conditions effective upon issuance.

However, 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 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 based on the comments we receive.

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 May 1, 2002, J.R.G Design submitted an application to the New York Aircraft Certification Office for a Supplemental Type Certificate (STC). The Boeing Model 747SP series; 747-100 series; and 747-200B, -200C, and -200F series airplanes are being modified for use by a head of state; they are non N-registered airplanes operating under part 91. This project involves replacing round dial displays in the cockpit with four EFIS displays. The EFIS upgrade is for multiple airplane installations. These systems may be vulnerable to HIRF external to the airplane.

Type Certification Basis

Under the provisions of 14 CFR 21.17, J.R.G Design, Inc. must show that Boeing Model 747SP series; 747-100 series; and 747-200B, -200C, and -200F series airplanes meet the applicable provisions in effect on the date of application for the supplemental type certificate or applicable provisions of 14 CFR part 25, as amended by Amendments 21-1 through 25-106, for areas affected by the change to the greatest extent feasible. If the Administrator finds that the applicable airworthiness regulations (*i.e.*, part 25 as amended) do not contain adequate or appropriate safety standards for Boeing Model 747SP series; 747-100 series; and 747-200 series 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, Boeing Model 747SP series; 747-100 series; and 747-200B, -200C, and -200F series 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, and the FAA must issue a finding of regulatory adequacy pursuant to § 611 of Public Law 92-574, the "Noise Control Act of 1972."

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