

TABLE 3.—COMPLIANCE TIMES FOR ONETIME INSPECTION

If the TSO of the propeller assembly on the effective date of this AD is . . .	Then . . .	Perform the the inspection . . .
(1) More 25 years or the TSO is not known.	(a) Disassemble and clean the propeller assembly (b) Perform visual and nondestructive inspections of propeller components for cracks, corrosion or pits, nicks, scratches, wear, blade minimum dimensions, and damage in the blade balance hole. (c) Inspect and rework the propeller blade bore. Use 3.A. of the Accomplishment instructions of Hartzell SB No. HC-SB-61-136, Revision I, dated April 26, 2003. (d) Repair and replace with serviceable parts, as necessary. (e) Reassemble and test.	Within 12 months after the effective date of this AD.
(2) Twenty-one to 25 years	(a) Disassemble and clean the propeller assembly (b) Perform visual and nondestructive inspections of propeller components for cracks, corrosion or pits, nicks, scratches, wear, blade minimum dimensions, and damage in the blade balance hole. (c) Inspect and rework the propeller blade bore. Use 3.A. of the Accomplishment instructions of Hartzell SB No. HC-SB-61-136, Revision I, dated April 26, 2003. (d) Repair and replace with serviceable parts, as necessary. (e) Reassemble and test.	Within 18 months after the effective date of this AD.
(3) Sixteen to 20 years	(a) Disassemble and clean the propeller assembly (b) Perform visual and nondestructive inspections of propeller components for cracks, corrosion or pits, nicks, scratches, wear, blade minimum dimensions, and damage in the blade balance hole. (c) Inspect and rework the propeller blade bore. Use 3.A. of the Accomplishment instructions of Hartzell SB No. HC-SB-61-136, Revision I, dated April 26, 2003. (d) Repair and replace with serviceable parts, as necessary. (e) Reassemble and test.	Within 24 months after the effective date of this AD.
(4) Eleven to 15 years	(a) Disassemble and clean the propeller assembly (b) Perform visual and nondestructive inspections of propeller components for cracks, corrosion or pits, nicks, scratches, wear, blade minimum dimensions, and damage in the blade balance hole. (c) Inspect and rework the propeller blade bore. Use 3.A. of the Accomplishment instructions of Hartzell SB No. HC-SB-61-136, Revision I, dated April 26, 2003. (d) Repair and replace with serviceable parts, as necessary. (e) Reassemble and test.	Within 36 months after the effective date of this AD.

Propeller Overhaul

(j) Performing an overhaul of the propeller assembly after the effective date of this AD constitutes compliance with the requirements specified in this AD. The latest applicable Maintenance Manuals issued by Hartzell Propeller Inc. contain information on overhauling a propeller assembly.

(k) The time-since-overhaul only changes if you overhaul the propeller assembly while performing the requirements specified in this AD.

Reporting Requirements

(l) Report inspection results to the Manager, Chicago Aircraft Certification Office, FAA, Small Airplane Directorate, 2300 East Devon Ave, Des Plaines, IL 60018, within 15 working days of the inspection. The Office of Management and Budget (OMB) approved the reporting requirements and assigned OMB control number 2120-0056.

Alternative Methods of Compliance

(m) The Manager, Chicago Aircraft Certification Office has the authority to approve alternative methods of compliance for this AD if requested using the procedures found in 14 CFR 39.19.

Related Information

(n) None.

Material Incorporated by Reference

(o) You must use Hartzell Service Bulletin No. HC-SB-61-136, Revision I, dated April 25, 2003, to perform the inspections and rework required by this AD. The Director of the Federal Register approved the incorporation by reference of this service bulletin in accordance with 5 U.S.C. 552(a) and 1 CFR part 51. Contact Hartzell Propeller Inc. Technical Publications Department, One Propeller Place, Piqua, OH 45356; telephone (937) 778-4200; fax (937) 778-4391, for a copy of this service information. You may review copies at the Docket Management Facility; U.S. Department of Transportation, 400 Seventh Street, SW., Nassif Building, Room PL-401, Washington, DC 20590-0001, on the internet at <http://dms.dot.gov>, or 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/cfr/ibr-locations.html>.

Issued in Burlington, Massachusetts, on August 29, 2005.

Peter A. White,

Acting Manager, Engine and Propeller Directorate, Aircraft Certification Service.

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DEPARTMENT OF TRANSPORTATION

Federal Aviation Administration

14 CFR Part 39

[Docket No. FAA-2005-22252; Directorate Identifier 2005-NM-182-AD; Amendment 39-14260; AD 2005-18-51]

RIN 2120-AA64

Airworthiness Directives; Boeing Model 777 Airplanes

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

ACTION: Final rule; request for comments.

SUMMARY: This document publishes in the **Federal Register** an amendment adopting airworthiness directive (AD) 2005-18-51 that was sent previously to all known U.S. owners and operators of Boeing Model 777 airplanes by individual notices. This AD supersedes an existing AD that applies to certain Boeing Model 777-200 and "300 series airplanes. The existing AD currently requires modification of the operational program software (OPS) of the air data inertial reference unit (ADIRU). This new AD requires installing a certain OPS in the ADIRU, and revising the airplane flight manual to provide the flightcrew with operating instructions for possible ADIRU heading errors and for potential incorrect display of drift angle. This AD results from a recent report of a significant nose-up pitch event. We are issuing this AD to prevent the OPS from using data from faulted (failed) sensors, which could result in anomalies of the fly-by-wire primary flight control, autopilot, auto-throttle, pilot display, and auto-brake systems. These anomalies could result in high pilot workload, deviation from the intended flight path, and possible loss of control of the airplane.

DATES: This AD becomes effective September 14, 2005 to all persons except those persons to whom it was made immediately effective by emergency AD 2005-18-51, issued August 29, 2005, which contained the requirements of this amendment.

The Director of the Federal Register approved the incorporation by reference of certain publications listed in the AD as of September 14, 2005.

We must receive comments on this AD by November 8, 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.

Contact Boeing Commercial Airplanes, P.O. Box 3707, Seattle, Washington 98124-2207, for service information identified in this AD.

FOR FURTHER INFORMATION CONTACT: Paul Feider, Aerospace Engineer, Systems and Equipment Branch, ANM-130S, FAA, Seattle Aircraft Certification Office, 1601 Lind Avenue, SW., Renton, Washington 98055-4056; telephone (425) 917-6467; fax (425) 917-6590.

SUPPLEMENTARY INFORMATION:

Background

On April 29, 2005, we issued AD 2005-10-03, amendment 39-14080 (70 FR 24703, May 11, 2005), for certain Boeing Model 777-200 and "300 series airplanes. That AD requires modification of the operational program software (OPS) of the air data inertial reference unit (ADIRU) from software version part number (P/N) 3470-HNC-100-03 to software version P/N 3475-HNC-100-06 or 3474-HNC-100-07. That AD resulted from a report of the display of erroneous heading information to the pilot due to a defect in the OPS of the ADIRU. We issued that AD to prevent the display of erroneous heading information to the pilot, which could result in loss of the main sources of attitude data, consequent high pilot workload, and subsequent deviation from the intended flight path.

Actions Since Issuance of Previous AD

On August 29, 2005, we issued emergency AD 2005-18-51, which applies to all Boeing Model 777 airplanes. That AD resulted from a recent report of a significant nose-up pitch event on a Boeing Model 777-200 series airplane while climbing through 36,000 feet altitude. The flightcrew disconnected the autopilot and stabilized the airplane, during which time the airplane climbed above 41,000 feet, decelerated to a minimum speed of 158 knots, and activated the stick shaker. A review of the flight data recorder shows there were abrupt and persistent errors in the outputs of the ADIRU. These errors were caused by the OPS using data from faulted (failed) sensors. This problem exists in all software versions after P/N 3470-HNC-100-03, beginning with P/N 3477-HNC-100-04 approved in 1998 and including the versions mandated by AD 2005-10-03. While these versions have been installed on many airplanes before we issued AD 2005-10-03, they had not caused an incident until recently, and the problem was therefore unknown until then. OPS using data from faulted sensors, if not corrected, could result in anomalies of the fly-by-wire primary flight control, autopilot, auto-throttle, pilot display, and auto-brake systems, which could result in high pilot workload, deviation from the intended

flight path, and possible loss of control of the airplane.

Relevant Service Information

We have reviewed Boeing Alert Service Bulletin 777-34A0137, dated August 26, 2005. The service bulletin describes procedures for installing OPS, P/N 3470-HNC-100-03, in the ADIRU.

We also have reviewed Boeing 777 Operations Manual Bulletin (OMB) CS3-3093, dated August 26, 2005, which describes operating instructions to inform the flightcrew of possible heading errors following on-ground automatic realignment of the ADIRU with the OPS, P/N 3470-HNC-100-03, installed.

In addition, we have reviewed Boeing 777 OMB CS3-3155, dated August 26, 2005, which describes operating instructions to inform the flightcrew of potential drift angle discrepancies on the primary flight display and the navigation display with the OPS, P/N 3470-HNC-100-03, installed.

FAA's Determination and Requirements of This AD

Since the unsafe conditions described previously are likely to exist or develop on other airplanes of the same type design, we issued emergency AD 2005-18-51 to supersede AD 2005-10-03. This new AD requires accomplishing the actions specified in Boeing Alert Service Bulletin 777-34A0137, described previously. Because these actions reintroduce the unsafe condition identified in AD 2005-10-03, this new AD also requires revising the Limitation section of the Airplane Flight Manual by inserting a copy of Boeing 777 OMBs CS3-3093 and CS3-3155, described previously.

Interim Action

We consider this AD interim action. The manufacturer is currently developing a modification that will address the unsafe condition identified in this AD and AD 2005-10-03. Once this modification is developed, approved, and available, we may consider additional rulemaking.

FAA's Determination of the Effective Date

We found that immediate corrective action was required; therefore, notice and opportunity for prior public comment thereon were impracticable and contrary to the public interest, and good cause existed to make the AD effective immediately by individual notices issued on August 29, 2005, to all known U.S. owners and operators of Boeing Model 777 airplanes. These conditions still exist, and the AD is

hereby published in the **Federal Register** as an amendment to § 39.13 of the Federal Aviation Regulations (14 CFR 39.13) to make it effective to all persons.

Comments Invited

This AD is a final rule that involves requirements that affect flight safety and was not preceded by notice and an opportunity for public comment; however, we invite you to submit any relevant written data, views, or arguments regarding this AD. Send your comments to an address listed in the **ADDRESSES** section. Include "Docket No. FAA-2005-22252; Directorate Identifier 2005-NM-182-AD" at the beginning of your comments. We specifically invite comments on the overall regulatory, economic, environmental, and energy aspects of the AD. We will consider all comments received by the closing date and may amend the AD in light of those comments.

We will post all comments we receive, without change, to <http://dms.dot.gov>, including any personal information you provide. We will also post a report summarizing each substantive verbal contact with FAA personnel concerning this AD. Using the search function of our docket web site, anyone can find and read the comments in any of our dockets, including the name of the individual who sent the comment (or signed the comment on behalf of an association, business, labor union, etc.). You can review the DOT's complete Privacy Act Statement in the **Federal Register** published on April 11, 2000 (65 FR 19477-78), or you can visit <http://dms.dot.gov>.

Examining the Dockets

You may 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 Docket Management System receives them.

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 have 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.

The FAA has determined that this regulation is an emergency regulation that must be issued immediately to correct an unsafe condition in aircraft, and that it is not a "significant regulatory action" under Executive Order 12866. It has been determined further that this action involves an emergency regulation under DOT Regulatory Policies and Procedures (44 FR 11034, February 26, 1979). If this emergency regulation is later deemed significant under DOT Regulatory Policies and Procedures, we will prepare a final regulatory evaluation and place it in the AD Docket. See the **ADDRESSES** section for a location to examine the regulatory evaluation, if filed.

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 Federal Aviation Administration (FAA) amends § 39.13 by removing amendment 39-14080 (70 FR 24703, May 11, 2005) and adding the

following new airworthiness directive (AD):

AD 2005-18-51 Boeing: Amendment 39-14260. Docket No. FAA-2005-22252; Directorate Identifier 2005-NM-182-AD.

Effective Date

(a) This AD becomes effective September 14, 2005, to all persons except those persons to whom it was made immediately effective by emergency AD 2005-18-51, issued on August 29, 2005, which contained the requirements of this amendment.

Affected ADs

(b) This AD supersedes AD 2005-10-03.

Applicability

(c) This AD applies to all Boeing Model 777-200, -300, and -300ER series airplanes, certificated in any category.

Unsafe Condition

(d) This AD results from a recent report of a significant nose-up pitch event. We are issuing this AD to prevent the operational program software (OPS) from using data from faulted (failed) sensors, which could result in anomalies of the fly-by-wire primary flight control, autopilot, auto-throttle, pilot display, and auto-brake systems. These anomalies could result in high pilot workload, deviation from the intended flight path, and possible loss of control of the airplane.

Compliance

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

Installation of OPS

(f) Within 72 hours after the effective date of this AD, do the actions specified in paragraphs (f)(1) and (f)(2) of this AD.

(1) Install OPS, part number (P/N) 3470-HNC-100-03, in the air data inertial reference unit (ADIRU), in accordance with the Accomplishment Instructions of Boeing Alert Service Bulletin 777-34A0137, dated August 26, 2005.

(2) Revise the Limitations section of the Airplane Flight Manual (AFM) by inserting a copy of the Boeing operations manual bulletins in Table 1 of this AD.

TABLE 1.—OPERATIONS MANUAL BULLETINS

Boeing 777 operations manual bulletin	Date
(i) CS3-3093	August 26, 2005.
(ii) CS3-3155	August 26, 2005.

(g) When the information in the operations manual bulletins in Table 1 of this AD has been incorporated into the general revisions of the AFM, the general revisions may be incorporated into the AFM, and these operations manual bulletins may be removed from the AFM.

Parts Installation

(h) As of the effective date of this AD, only OPS, P/N 3470-HNC-100-03, may be loaded into the ADIRU.

Alternative Methods of Compliance (AMOCs)

(i) The Manager, Seattle Aircraft Certification Office, FAA, has the authority to approve AMOCs for this AD, if requested in accordance with the procedures found in 14 CFR 39.19.

Related Information

(j) None.

Material Incorporated by Reference

(k) You must use the service information in Table 2 of this AD to perform the actions that are required by this AD, unless the AD specifies otherwise. The Director of the Federal Register approved the incorporation by reference of these documents in accordance with 5 U.S.C. 552(a) and 1 CFR part 51. Contact Boeing Commercial Airplanes, P.O. Box 3707, Seattle,

Washington 98124-2207, for a copy of this service information. You may review copies at the Docket Management Facility, U.S. Department of Transportation, 400 Seventh Street SW., room PL-401, Nassif Building, Washington, DC; on the Internet at <http://dms.dot.gov>; or at the National Archives and Records Administration (NARA). For information on the availability of this material at the NARA, call (202) 741-6030, or go to http://www.archives.gov/federal_register/code_of_federal_regulations/ibr_locations.html.

TABLE 2.—MATERIAL INCORPORATED BY REFERENCE

Service information	Date
Boeing Alert Service Bulletin 777-34A0137	August 26, 2005.
Boeing 777 Operations Manual Bulletin CS3-3093	August 26, 2005.
Boeing 777 Operations Manual Bulletin CS3-3155	August 26, 2005.

Issued in Renton, Washington, on September 1, 2005.

Ali Bahrami,

Manager, Transport Airplane Directorate, Aircraft Certification Service.

[FR Doc. 05-17762 Filed 9-8-05; 8:45 am]

BILLING CODE 4910-13-P

DEPARTMENT OF TRANSPORTATION

Federal Aviation Administration

14 CFR Part 39

[Docket No. FAA-2005-20847; Directorate Identifier 2004-NE-35-AD; Amendment 39-14261; AD 2005-18-20]

RIN 2120-AA64

Airworthiness Directives; Goodrich De-icing and Specialty Systems “FASTprop” Propeller De-icers

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

ACTION: Final rule.

SUMMARY: The FAA is adopting a new airworthiness directive (AD) for Goodrich De-icing and Specialty Systems “FASTprop” propeller de-icers, part numbers P4E1188 series, P4E1601 series, P4E2200 series, P4E2271-10, P4E2575-7, P4E2575-10, P4E2598-10, P5855BSW, P6199SW, P6592SW, P6662SW, and P6975-11, installed. This AD requires inspection, repair, or replacement of those “FASTprop” propeller de-icers that fail daily visual checks. This AD results from reports of Goodrich “FASTprop” propeller de-icers becoming loose or debonded, and detaching from propeller blades during operation.

DATES: This AD becomes effective October 14, 2005. The Director of the

Federal Register approved the incorporation by reference of certain publications listed in the regulations as of October 14, 2005.

ADDRESSES: Contact Goodrich De-icing and Specialty Systems, 1555 Corporate Woods Parkway, Uniontown, Ohio 44685, telephone (330) 374-3743, for the service information referenced in this AD.

You may examine the AD docket on the Internet at <http://dms.dot.gov> or in Room PL-401 on the plaza level of the Nassif Building, 400 Seventh Street, SW., Washington, DC.

FOR FURTHER INFORMATION CONTACT: Melissa T. Bradley, Aerospace Engineer, Chicago Aircraft Certification Office, FAA, 2300 East Devon Avenue, Des Plaines, IL 60018-4696; telephone (847) 294-8110; fax (847) 294-7834.

SUPPLEMENTARY INFORMATION: The FAA proposed to amend 14 CFR part 39 with a proposed airworthiness directive (AD). The proposed AD applies to Goodrich De-icing and Specialty Systems “FASTprop” propeller de-icers, part numbers P4E1188 series, P4E1601 series, P4E2200 series, P4E2271-10, P4E2575-7, P4E2575-10, P4E2598-10, P5855BSW, P6199SW, P6592SW, P6662SW, and P6975-11. We published the proposed AD in the **Federal Register** on April 6, 2005 (70 FR 17361). That action proposed to require inspection, repair, or replacement of those “FASTprop” propeller de-icers that fail visual checks before the first flight each day.

Examining the AD Docket

You may examine the docket that contains the AD, any comments received, and any final disposition in person at the Docket Management System (DMS) Docket Office between 9 a.m. and 5 p.m., Monday through

Friday, except Federal holidays. The Docket Office (telephone (800) 647-5227) is located on the plaza level of the Department of Transportation Nassif Building at the street address stated in **ADDRESSES**. Comments will be available in the AD docket shortly after the DMS receives them.

Comments

We provided the public the opportunity to participate in the development of this AD. We have considered the one comment received.

The commenter states that we need to clarify the compliance section, and requests that any pilot be able to make required logbook entries after the visual check of propeller de-icers regardless of how the airplane is operated, whether under 14 CFR part 91, part 135, or part 121. The commenter interprets Goodrich De-icing and Specialty Systems Alert Service Bulletin (ASB) No. 30-60-00-1, dated November 15, 2004, as only allowing private pilots operating under 14 CFR part 91 to make the required logbook entries.

We agree that we need to clarify the compliance section. Accordingly, we added the following statement to the compliance section of this AD: “Properly certificated maintenance personnel must perform the initial inspection required in this AD. Thereafter, the pilot or properly certificated maintenance personnel may perform the repetitive visual check.”

Conclusion

We have carefully 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 have determined that these changes will neither increase the