

(c) This AD revises the Airworthiness Limitations Section of the maintenance manual by establishing a life limit for the TT strap, P/N 117-14110 and 117-14111, of 120 months or 25,000 flights, whichever occurs first.

(d) An alternative method of compliance or adjustment of the compliance time that provides an acceptable level of safety may be used if approved by the Manager, Regulations Group, Rotorcraft Directorate, FAA. Operators shall submit their requests through an FAA Principal Maintenance Inspector, who may concur or comment and then send it to the Manager, Regulations Group.

**Note 2:** Information concerning the existence of approved alternative methods of compliance with this AD, if any, may be obtained from the Regulations Group.

(e) Special flight permits may be issued in accordance with sections 21.197 and 21.199 of the Federal Aviation Regulations (14 CFR 21.197 and 21.199) to operate the helicopter to a location where the requirements of this AD can be accomplished.

**Note 3:** The subject of this AD is addressed in the Luftfahrt Bundesamt (Federal Republic of Germany) AD 1999-289/2, dated September 1, 1999.

Issued in Fort Worth, Texas, on September 13, 2000.

**Eric Bries,**

*Acting Manager, Rotorcraft Directorate,  
Aircraft Certification Service.*

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## DEPARTMENT OF TRANSPORTATION

### Federal Aviation Administration

#### 14 CFR Part 39

[Docket No. 2000-NE-26-AD]

RIN 2120-AA64

#### **Airworthiness Directives; Pratt & Whitney Canada PT6A-25C and -114A Series Turboprop Engines**

**AGENCY:** Federal Aviation Administration, DOT.

**ACTION:** Notice of proposed rulemaking (NPRM).

**SUMMARY:** This document proposes the adoption of a new airworthiness directive (AD) that is applicable to Pratt & Whitney Canada (P&WC) PT6A-25C and -114A turboprop engines. This proposal would require initial and repetitive visual inspections, and eventual replacement of the compressor bleed valve assembly, with a redesigned valve assembly for the -114A engines, and initial and repetitive visual inspections only for -25C engines. This proposal is prompted by reports of two occurrences of uncommanded engine power loss. The actions specified by the

proposed AD are intended to detect wear in the compressor bleed valve assembly which may cause valve orifice blockage, resulting in a loss of power, inability of engine acceleration, and in-flight shut down.

**DATES:** Comments must be received by November 20, 2000.

**ADDRESSES:** Submit comments to the Federal Aviation Administration (FAA), New England Region, Office of the Regional Counsel, Attention: Rules Docket No. 2000-NE-26-AD, 12 New England Executive Park, Burlington, MA 01803-5299. Comments may also be sent via the Internet using the following address: "9-ane-adcomment@faa.gov". Comments sent via the Internet must contain the docket number in the subject line. Comments may be inspected at this location between 8:00 a.m. and 4:30 p.m., Monday through Friday, except Federal holidays.

The service information referenced in the proposed rule may be obtained from Pratt & Whitney Canada, 1000 Marie-Victorin, Longueuil, Quebec, Canada J4G1A1. This information may be examined at the FAA, New England Region, Office of the Regional Counsel, 12 New England Executive Park, Burlington, MA.

#### **FOR FURTHER INFORMATION CONTACT:**

James Rosa, Aerospace Engineer, Engine Certification Office, FAA, Engine and Propeller Directorate, 12 New England Executive Park, Burlington, MA 01803-5299; telephone: (781) 238-7152, fax: (781) 238-7199.

**SUPPLEMENTARY INFORMATION:** This proposal would require initial and repetitive visual inspections, and replacement if necessary, of certain compressor bleed valve assembly components on PT6A-25C and -114A turboprop engines, in accordance with P&WC Service Bulletin (SB) No. 1574 Revision 2, dated October 14, 1999. This proposal would also require eventual replacement of compressor bleed valve assemblies with redesigned valve assemblies, on PT6A-114A turboprop engines, in accordance with P&WC SB No. 1588, dated February 18, 2000.

#### **Comments Invited**

Interested persons are invited to participate in the making of the proposed rule by submitting such written data, views, or arguments as they may desire. Communications should identify the Rules Docket number and be submitted to the address specified above. All communications received on or before the closing date for comments, specified above, will be considered before taking action on the proposed rule. The proposals contained

in this notice may be changed in light of the comments received.

Comments are specifically invited on the overall regulatory, economic, environmental, and energy aspects of the proposed rule. All comments submitted will be available, both before and after the closing date for comments, in the Rules Docket for examination by interested persons. A report summarizing each FAA-public contact concerned with the substance of this proposal will be filed in the Rules Docket.

Commenters wishing the FAA to acknowledge receipt of their comments submitted in response to this notice must submit a self-addressed, stamped postcard on which the following statement is made: "Comments to Docket Number 2000-NE-26-AD." The postcard will be date stamped and returned to the commenter.

#### **Availability of NPRM's**

Any person may obtain a copy of this NPRM by submitting a request to the FAA, New England Region, Office of the Regional Counsel, Attention: Rules Docket No. 2000-NE-26-AD, 12 New England Executive Park, Burlington, MA 01803-5299.

#### **Discussion**

Transport Canada (TC), which is the airworthiness authority for Canada, recently notified the FAA that an unsafe condition may exist on P&WC PT6A-25C and -114A series turboprop engines, which are installed on but not limited to Pilatus PC-7 and Cessna 208 Caravan airplanes. TC advises that engines, which have incorporated P&WC SB No. 1510, may experience cotter pin and diaphragm wear and fatigue inside the compressor bleed valve assembly. Separation of sections of the cotter pin and particles from diaphragm wear may cause blockage of one or both valve orifices, resulting in a power loss, inability of the engine to accelerate and/or in-flight shut down. P&WC has issued SB No. 1574, Revision 2, dated October 14, 1999, which specifies initial visual inspection of compressor bleed valve assembly cover, guide pin shaft, cotter pin, and diaphragm for wear, and, replacement of these parts if necessary. TC classified this SB as mandatory by issuing AD No. CF-99-23, dated September 14, 1999 in order to assure the continued airworthiness of these airplanes in Canada. P&WC has also issued SB No. 1588, dated February 18, 2000, for PT6A-114A turboprop engines that specify compressor bleed valve assembly replacement with a redesigned valve assembly.

### Bilateral Airworthiness Agreement

These engine models are manufactured in Canada and are type certificated for operation in the United States under the provisions of § 21.29 of Title 14 of the Code of Federal Regulations (14 CFR 21.29) and the applicable bilateral airworthiness agreement. Pursuant to this bilateral airworthiness agreement, Transport Canada has kept the FAA informed of the situation described above. The FAA has examined the findings of Transport Canada, reviewed all available information, and determined that AD action is necessary for products of this type design that are certificated for operation in the United States.

### Proposed Actions

Since an unsafe condition has been identified that is likely to exist or develop on other engines of the same type design registered in the United States, the proposed AD would require initial visual inspection of certain compressor bleed valve assembly components within 150 flight hours after the effective date of this AD, repetitive visual inspections within 600 flight hours after the last inspection, and if necessary, the replacement of certain components. The proposed AD would also require replacement of compressor bleed valve assemblies on PT6A–114A engines which have had Pratt & Whitney Canada SB No. 1510 incorporated, with a redesigned valve assembly at the next shop visit but no later than five years after the effective date of this AD. The actions would be required to be accomplished in accordance with the SB's described previously.

### Economic Impact

There are about 504 engines of the affected design in the worldwide fleet. The FAA estimates that 353 engines installed on aircraft of U.S. registry would be affected by this proposed AD, that it would take about 2 work hours per engine to accomplish the initial inspections, and 1 hour to accomplish the replacement of the valve, and that the average labor rate is \$60 per work hour. Required parts would cost about \$7,458.00 per engine. Based on these figures, the total cost impact of the proposed AD on U.S. operators is estimated to be \$2,696,214.00.

### Regulatory Impact

This proposal does not have federalism implications, as defined in Executive Order 13132, because it would 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. Accordingly, the FAA has not consulted with state authorities prior to publication of this proposal.

For the reasons discussed above, I certify that this proposed regulation (1) is not a "significant regulatory action" under Executive Order 12866; (2) is not a "significant rule" under the DOT Regulatory Policies and Procedures (44 FR 11034, February 26, 1979); and (3) if promulgated, 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 copy of the draft regulatory evaluation prepared for this action is contained in the Rules Docket. A copy of it may be obtained by contacting the Rules Docket at the location provided under the caption

### ADDRESSES.

### List of Subjects in 14 CFR Part 39

Air transportation, Aircraft, Aviation safety, Safety.

### The Proposed Amendment

Accordingly, pursuant to the authority delegated to me by the Administrator, the Federal Aviation Administration proposes to amend 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:

**Pratt & Whitney Canada:** Docket No. 2000–NE–26–AD.

**Applicability:** This airworthiness directive (AD) applies to PT6A–25C and –114A Series turboprop engines, installed on but not limited to the following airplanes: Pilatus PC–7, Cessna 208 Caravan.

**Note 1:** This airworthiness directive (AD) applies to each engine identified in the preceding applicability provision, regardless of whether it has been modified, altered, or repaired in the area subject to the requirements of this AD. For engines that have been modified, altered, or repaired so that the performance of the requirements of this AD is affected, the owner/operator must request approval for an alternative method of compliance in accordance with paragraph (e) of this AD. The request should include an assessment of the effect of the modification, alteration, or repair on the unsafe condition addressed by this AD; and, if the unsafe condition has not been eliminated, the

request should include specific proposed actions to address it.

**Compliance:** Required as indicated, unless accomplished previously.

### Initial and Repetitive Inspections

To detect wear on the compressor bleed valve assembly cover, guide pin shaft, cotter pin, and to detect particles from diaphragm wear, which may cause blockage of one or both valve orifices, resulting in a loss of power, inability of the engine to accelerate, and/or in-flight shut down, accomplish the following:

(a) Perform an initial visual inspection of the compressor bleed valve assembly components within 150 flight hours after the effective date of this AD in accordance with Accomplishment Instructions, Section 3A through 3B of Pratt & Whitney Canada (P&WC) Service Bulletin (SB) No. 1574 Revision 2, dated October 14, 1999.

(b) Thereafter, perform repetitive visual inspections of the compressor bleed valve assembly components within 600 flight hours after the last inspection in accordance with Accomplishment Instructions, Section 3A through 3B of Pratt & Whitney Canada (P&WC) Service Bulletin (SB) No. 1574 Revision 2, dated October 14, 1999.

### Terminating Action

(c) For PT6A–114A series turboprop engines, replacement of compressor bleed valve assemblies at the next shop visit, with the redesigned valve assembly, in accordance with P&WC SB No. 1588, dated February 18, 2000, is considered terminating action for the repetitive inspection. This action must be done at the next shop visit but no later than five years from the effective date of this AD.

### Definition

(d) For the purpose of this AD: A shop visit is defined as when the subassembly (i.e. module, accessories, components or build groups) is disassembled and access is available to the compressor bleed valve assembly.

### Alternative Methods of Compliance

(e) An alternative method of compliance or adjustment of the compliance time that provides an acceptable level of safety may be used if approved by the Manager, Engine Certification Office (ECO). Operators shall submit their request through an appropriate FAA Principal Maintenance Inspector, who may add comments and then send it to the Manager, ECO.

**Note 2:** Information concerning the existence of approved alternative methods of compliance with this airworthiness directive, if any, may be obtained from the ECO.

### Special Flight Permits

(f) Special flight permits may be issued in accordance with sections 21.197 and 21.199 of the Federal Aviation Regulations (14 CFR 21.197 and 21.199) to operate the aircraft to a location where the requirements of this AD can be accomplished.

Issued in Burlington, Massachusetts, on September 13, 2000.

David A. Downey,

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

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## TENNESSEE VALLEY AUTHORITY

### 18 CFR Part 1304

#### Approval of Construction in the Tennessee River System; Regulation of Structures; Residential Related Use on TVA-Controlled Residential Access Shoreline and TVA Flowage Easement Shoreline

**AGENCY:** Tennessee Valley Authority (TVA).

**ACTION:** Proposed rule.

**SUMMARY:** TVA is today proposing to amend its regulations under section 26a of the TVA Act governing the construction, operation, or maintenance of any dam, appurtenant works, or other obstruction affecting navigation, flood control, or public lands or reservations along or in the Tennessee River or any of its tributaries. The amendments would generally update the existing section 26a regulations to include new sections governing underground and aboveground storage tanks, marina sewage pump-out stations and holding tanks, wastewater outfalls and septic systems, development within flood control storage zones of TVA reservoirs, and requests for waivers or variances. The sections governing the application process and the handling of appeals would be revised for clarity. The rules for nonnavigable houseboats would be clarified, and a provision would be added governing sanitation for nonnavigable houseboats. In addition, new subparts would be added to implement TVA's recently-adopted "Shoreline Management Initiative" policy.

**DATES:** Written comments on these proposed rules will be accepted until November 20, 2000.

**ADDRESSES:** Written comments on the substance of the rulemaking should be addressed to Robert L. Curtis, Specialist-Land Policy, Resource Stewardship, Tennessee Valley Authority, Post Office Box 1589, 17 Ridgeway Road, Norris, Tennessee 37828. Electronic comments may be submitted to [rlcurtis@tva.gov](mailto:rlcurtis@tva.gov). Paperwork Reduction Act comments should be addressed as explained below.

**FOR FURTHER INFORMATION CONTACT:** Robert L. Curtis, (865) 632-1552.

## SUPPLEMENTARY INFORMATION:

### I. Legal Authority

These regulations are proposed under the authority of section 26a of the Tennessee Valley Authority Act of 1933 (16 U.S.C. 831y-1), and TVA's property rights under certain deeds and flowage easement instruments.

### II. Background

Section 26a of the TVA Act provides that no dam, appurtenant works, or other obstruction affecting navigation, flood control or public lands or reservations shall be constructed, and thereafter operated or maintained across, along, or in the Tennessee River system or any of its tributaries until the plans for such construction, operation, or maintenance shall have been submitted to and approved by the TVA Board of Directors, or its delegate. Commencement of construction, operation, or maintenance of such structures without such approval is prohibited.

On October 22, 1971, TVA promulgated regulations setting forth the approval process and establishing a number of policies regarding the exercise of TVA's section 26a authority. The regulations have since been amended from time to time. This proposed rulemaking would further amend the existing regulations by adding new sections regarding underground and aboveground storage tanks, marina sewage pump-out stations and holding tanks, wastewater outfalls and septic systems, and development within flood control storage zones of TVA reservoirs. A new section providing for the handling of requests for waivers or variances would be added, and the sections governing the application process and the handling of appeals would be revised for clarity.

TVA also proposes to add new subparts C and D regarding residential-related use of TVA-controlled residential access shoreline and TVA flowage easement shoreline. The rules contained in these subparts would implement the "Shoreline Management Initiative" policy adopted by TVA's Board of Directors on April 21, 1999. Through these rules, TVA would promote the conservation of shoreline resources to provide public use opportunities and protect environmentally sensitive resources, while also accommodating access to the shore by adjacent residents.

### III. Detailed Analysis of Proposed Rule

#### A. Approval of Construction

Today's proposal would make minor revisions to the existing process for

obtaining approvals required under section 26a of the TVA Act. This subpart would apply to all cases involving an obstruction subject to section 26a approval or otherwise requiring TVA approval under these rules (including, among other things, TVA-owned residential access shoreland uses described in proposed subpart C and certain uses of TVA flowage easement property under proposed subpart D).

1. *Scope and intent.* This section (§ 1304.1) sets forth the authorities for and the purposes of TVA's regulation of structures in the Tennessee River system and activities on land in which TVA has a property interest. Part 1304 is generally applicable to all obstructions in the river system and to activities conducted on reservoir-related property in TVA's custody or subjects to TVA flowage easements.

2. *Application.* If the rule is amended as proposed, section 26a facilities would, for purpose of the application process and certain other purposes, be divided into "minor" and "major" facilities. Applicants for minor facilities would have to include less information with their applications. Nonexclusive examples of minor and major facilities are provided in the proposed rule. TVA believes that in most cases it will be readily apparent whether a facility should be classified as minor or major. Generally, it is TVA's intention that most residential related facilities for individual use would be minor facilities. For application purposes, a request for a variance to the size limitations for a residential-related facility would be regarded as an application for a "major" facility. Commercial or community facilities likely would be much larger than individual facilities and usually would be classified as major. TVA would encourage applicants to inquire in advance for guidelines in cases where it may not be clear whether a proposed facility would be minor or major.

3. *Delegation of Authority and Application Review and Approval Process.* The rule would be revised to reflect the current organizational structure of TVA. The information required to be included with applications for each type of facility would be specified. The procedures for TVA's consideration of applications, including the procedures applicable to hearings and appeals, would be clarified.

#### B. Regulation of Nonnavigable Houseboats

The regulation governing nonnavigable houseboats would be