

**DEPARTMENT OF TRANSPORTATION****Federal Aviation Administration****14 CFR Part 39**

[Docket No. FAA-2017-0115; Directorate Identifier 2017-NE-04-AD; Amendment 39-18824; AD 2017-04-51]

RIN 2120-AA64

**Airworthiness Directives; Safran Helicopter Engines, S.A., Turboshaft Engines**

**AGENCY:** Federal Aviation Administration (FAA), DOT.

**ACTION:** Final rule; request for comments.

**SUMMARY:** We are adopting a new airworthiness directive (AD) for all Safran Helicopter Engines, S.A., Arriel 1A1, 1A2, 1B, 1C, 1C1, 1C2, 1D, 1D1, 1E2, 1K1, 1S, and 1S1 turboshaft engines. Emergency AD 2017-04-51 was sent previously to all known U.S. owners and operators of these engines. This AD requires inspecting, wrapping, and replacing the affected drain valve assembly (DV) installed on these Arriel 1 engines. This AD was prompted by reports of fuel leaks originating from the DV on certain Arriel engines. We are issuing this AD to correct the unsafe condition on these products.

**DATES:** This AD is effective March 30, 2017 to all persons except those persons to whom it was made immediately effective by Emergency AD 2017-04-51, issued on February 8, 2017, which contained the requirements of this amendment.

The Director of the Federal Register approved the incorporation by reference of a certain publication identified in this AD as of March 30, 2017.

We must receive comments on this AD by May 1, 2017.

**ADDRESSES:** You may send comments, using the procedures found in 14 CFR 11.43 and 11.45, by any of the following methods:

- *Federal eRulemaking Portal:* Go to <http://www.regulations.gov>. Follow the instructions for submitting comments.

- *Fax:* 202-493-2251.

- *Mail:* U.S. Department of Transportation, Docket Operations, M-30, West Building Ground Floor, Room W12-140, 1200 New Jersey Avenue SE., Washington, DC 20590.

- *Hand Delivery:* Deliver to Mail address above between 9 a.m. and 5

p.m., Monday through Friday, except Federal holidays.

For service information identified in this AD, contact Safran Helicopter Engines, S.A., 40220 Tarnos, France; phone: (33) 05 59 74 40 00; fax: (33) 05 59 74 45 15.

**Examining the AD Docket**

You may examine the AD docket on the Internet at <http://www.regulations.gov> by searching for and locating Docket No. FAA-2017-0115; or in person at the Docket Operations Office between 9 a.m. and 5 p.m., Monday through Friday, except Federal holidays. The AD docket contains this AD, the regulatory evaluation, any comments received, and other information. The street address for the Docket Operations Office (phone: 800-647-5527) is in the **ADDRESSES** section. Comments will be available in the AD docket shortly after receipt.

**FOR FURTHER INFORMATION CONTACT:** Robert Green, Aerospace Engineer, Engine Certification Office, FAA, Engine & Propeller Directorate, 1200 District Avenue, Burlington, MA 01803; phone: 781-238-7754; fax: 781-238-7199; email: [robert.green@faa.gov](mailto:robert.green@faa.gov).

**SUPPLEMENTARY INFORMATION:**

**Discussion**

On February 8, 2017, we issued Emergency AD 2017-04-51, which requires inspecting, wrapping, and replacing the DV. This emergency AD was sent previously to all known U.S. owners and operators of these Safran Helicopter Engines, S.A., Arriel 1A1, 1A2, 1B, 1C, 1C1, 1C2, 1D, 1D1, 1E2, 1K1, 1S, and 1S1 turboshaft engines. This action was prompted by reports of fuel leaks originating from the DV on certain Arriel engines. This condition, if not corrected, could result in engine compartment fire, in-flight shutdown, and damage to the helicopter.

**Relevant Service Information Under 14 CFR Part 51**

We reviewed Safran Helicopter Engines Alert Mandatory Service Bulletin A292 73 0851, Version A, dated January 31, 2017. The MSB describes procedures for inspecting, wrapping, and replacing the DV. This service information is reasonably available because the interested parties have access to it through their normal course of business or by the means identified in the **ADDRESSES** section.

**FAA's Determination**

We are issuing this AD because we evaluated all the relevant information and determined the unsafe condition described previously is likely to exist or develop in other products of the same type design.

**AD Requirements**

This AD requires inspecting, wrapping, and replacing the DV.

**FAA's Determination of the Effective Date**

An unsafe condition exists that requires the immediate adoption of this AD. The FAA has found that the risk to the flying public justifies waiving notice and comment prior to adoption of this rule because the compliance requirements are within 10 flight hours or 7 days. Therefore, we find that notice and opportunity for prior public comment are impracticable and that good cause exists for making this amendment effective in less than 30 days.

**Comments Invited**

This AD is a final rule that involves requirements affecting flight safety and was not preceded by notice and an opportunity for public comment. However, we invite you to send any written data, views, or arguments about this AD. Send your comments to an address listed under the **ADDRESSES** section. Include the docket number FAA-2017-0115 and Directorate Identifier 2017-NE-04-AD at the beginning of your comments. We specifically invite comments on the overall regulatory, economic, environmental, and energy aspects of this AD. We will consider all comments received by the closing date and may amend this AD because of those comments.

We will post all comments we receive, without change, to <http://www.regulations.gov>, including any personal information you provide. We will also post a report summarizing each substantive verbal contact we receive about this AD.

**Costs of Compliance**

We estimate that this AD affects 70 engines installed on helicopters of U.S. registry.

We estimate the following costs to comply with this AD:

ESTIMATED COSTS

Action	Labor cost	Parts cost	Cost per product	Cost on U.S. operators
Inspecting, wrapping, and replacing the DV ...	4.5 work-hours × \$85 per hour = \$382.50 .....	\$7,805	\$8,187.50	\$573,125

**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**

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.

For the reasons discussed above, I certify that this AD:

- (1) Is not a “significant regulatory action” under Executive Order 12866,
- (2) Is not a “significant rule” under DOT Regulatory Policies and Procedures (44 FR 11034, February 26, 1979),
- (3) Will not affect intrastate aviation in Alaska to the extent that it justifies making a regulatory distinction, and
- (4) 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.

**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 FAA amends § 39.13 by adding the following new airworthiness directive (AD):

**2017-04-51 Safran Helicopter Engines, S.A.:** Amendment 39-18824; Docket No. FAA-2017-0115; Directorate Identifier 2017-NE-04-AD.

**(a) Effective Date**

This AD is effective March 30, 2017 to all persons except those persons to whom it was made immediately effective by Emergency AD 2017-04-51, issued on February 8, 2017, which contained the requirements of this amendment.

**(b) Affected ADs**

None.

**(c) Applicability**

This AD applies to all Safran Helicopter Engines, S.A., Arriel 1A1, 1A2, 1B, 1C, 1C1, 1C2, 1D, 1D1, 1E2, 1K1, 1S, and 1S1 turboshaft engines equipped with a drain valve assembly (DV) with a part number and a serial number listed in Appendix 5.1 in Safran Helicopter Engines Alert Mandatory Service Bulletin (MSB) A292 73 0851, Version A, dated January 31, 2017.

**(d) Subject**

Joint Aircraft System Component (JASC) Code 7321, Fuel Control/Turbine Engines.

**(e) Unsafe Condition**

This AD was prompted by reports of fuel leaks originating from the DV on certain Arriel engines. We are issuing this AD to prevent an engine compartment fire, in-flight shutdown, and damage to the helicopter.

**(f) Compliance**

- (1) Comply with this AD within the compliance times specified, unless already done.
- (2) Within 10 flight hours or 7 days, whichever occurs first, after the effective date of this AD:
  - (i) Replace the affected DV with a DV eligible for installation. Use the Accomplishment Instructions, Paragraph 2, of Safran Helicopter Engines Alert MSB A292 73 0851, Version A, dated January 31, 2017, to do the replacement; or
  - (ii) Visually inspect the affected DV for fuel leakage.
- (A) If a fuel leak is detected, replace the affected DV with a DV eligible for installation, before the next flight.

(B) If no fuel leak is detected, before next flight, wrap the affected DV with a self-amalgamate tape using the Accomplishment Instructions, paragraph 2, of Safran Helicopter Engines Alert MSB A292 73 0851, Version A, dated January 31, 2017.

(C) After wrapping an affected DV, as specified in paragraph (f)(2)(ii)(B) of this AD, inspect the DV for fuel leakage before each first flight of the day. If a fuel leak is detected, replace the affected DV with a DV eligible for installation, before the next flight.

(D) After wrapping an affected DV, as specified in paragraph (f)(2)(ii)(B) of this AD, inspect the DV wrapping before each first flight of the day. If the wrapping is found defective (loose, missing, or damaged), before the next flight, remove the wrap and re-wrap the affected DV using the Accomplishment Instructions, paragraph 2, of Safran Helicopter Engines Alert MSB A292 73 0851, Version A, dated January 31, 2017.

(E) For an engine on which the affected DV was wrapped, within 180 days after the first wrapping of the affected DV as specified in paragraph (f)(2)(ii)(B) of this AD, replace the affected DV with a DV eligible for installation.

**(g) Definitions**

For the purpose of this AD, a DV eligible for installation is:

- (1) a DV that is not affected by this AD; or
- (2) a DV in which the diaphragm has been replaced in accordance with the instructions in paragraph 4 of Safran Helicopter Engines Alert MSB A292 73 0851, Version A, dated January 31, 2017.

**(h) Terminating Action**

Replacement of an affected DV installed on an engine, with a DV eligible for installation constitutes terminating action for the repetitive inspections required by paragraph (f)(2)(ii) of this AD.

**(i) Alternative Methods of Compliance (AMOCs)**

The Manager, Engine Certification Office, may approve AMOCs for this AD. Use the procedures found in 14 CFR 39.19 to make your request. You may email your request to: [ANE-AD-AMOC@faa.gov](mailto:ANE-AD-AMOC@faa.gov).

**(j) Related Information**

- (1) For further information about this AD, contact: Robert Green, Aerospace Engineer, Engine Certification Office, FAA, Engine & Propeller Directorate, 1200 District Avenue, Burlington, MA 01803; phone: 781-238-7754; fax: 781-238-7199; email: [robert.green@faa.gov](mailto:robert.green@faa.gov).
- (2) Refer to MCAI European Aviation Safety Agency Emergency AD No. 2017-0019-E, dated February 3, 2017, for more information.

**(k) Material Incorporated by Reference**

(1) The Director of the Federal Register approved the incorporation by reference (IBR) of the service information listed in this paragraph under 5 U.S.C. 552(a) and 1 CFR part 51.

(2) You must use this service information as applicable to do the actions required by this AD, unless the AD specifies otherwise.

(i) Safran Helicopter Engines Alert Mandatory Service Bulletin A292 73 0851, Version A, dated January 31, 2017.

(ii) Reserved.

(3) For Safran Helicopter Engines service information identified in this AD, contact Safran Helicopter Engines, S.A., 40220 Tarnos, France; phone: (33) 05 59 74 40 00; fax: (33) 05 59 74 45 15.

(4) You may view this service information at FAA, Engine & Propeller Directorate, 1200 District Avenue, Burlington, MA. For information on the availability of this material at the FAA, call 781-238-7125.

(5) You may view this service 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/cfr/ibr-locations.html>.

Issued in Burlington, Massachusetts, on March 8, 2017.

**Carlos A. Pestana,**

*Acting Assistant Manager, Engine & Propeller Directorate, Aircraft Certification Service.*

[FR Doc. 2017-05236 Filed 3-14-17; 8:45 am]

**BILLING CODE 4910-13-P**

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**PENSION BENEFIT GUARANTY CORPORATION**
**29 CFR Parts 4022 and 4044**
**Allocation of Assets in Single-Employer Plans; Benefits Payable in Terminated Single-Employer Plans; Interest Assumptions for Valuing and Paying Benefits**

**AGENCY:** Pension Benefit Guaranty Corporation.

**ACTION:** Final rule.

**SUMMARY:** This final rule amends the Pension Benefit Guaranty Corporation's regulations on Benefits Payable in Terminated Single-Employer Plans and Allocation of Assets in Single-Employer Plans to prescribe interest assumptions under the benefit payments regulation for valuation dates in April 2017 and interest assumptions under the asset allocation regulation for valuation dates in the second quarter of 2017. The interest assumptions are used for valuing and paying benefits under terminating single-employer plans covered by the pension insurance system administered by PBGC.

**DATES:** Effective April 1, 2017.

**FOR FURTHER INFORMATION CONTACT:**

Deborah C. Murphy ([Murphy.Deborah@PBGC.gov](mailto:Murphy.Deborah@PBGC.gov)), Assistant General Counsel for Regulatory Affairs, Pension Benefit Guaranty Corporation, 1200 K Street NW., Washington, DC 20005, 202-326-4400 ext. 3451. (TTY/TDD users may call the Federal relay service toll free at 1-800-877-8339 and ask to be connected to 202-326-4400 ext. 3451.)

**SUPPLEMENTARY INFORMATION:** PBGC's regulations on Allocation of Assets in Single-Employer Plans (29 CFR part 4044) and Benefits Payable in Terminated Single-Employer Plans (29 CFR part 4022) prescribe actuarial assumptions—including interest assumptions—for valuing and paying plan benefits under terminating single-employer plans covered by title IV of the Employee Retirement Income Security Act of 1974. The interest assumptions in the regulations are also published on PBGC's Web site (<http://www.pbgc.gov>).

The interest assumptions in Appendix B to part 4044 are used to value benefits for allocation purposes under ERISA section 4044. PBGC uses the interest assumptions in Appendix B to part 4022 to determine whether a benefit is payable as a lump sum and to determine the amount to pay. Appendix C to part 4022 contains interest assumptions for private-sector pension practitioners to refer to if they wish to use lump-sum interest rates determined using PBGC's historical methodology. Currently, the rates in Appendices B and C of the benefit payment regulation are the same.

The interest assumptions are intended to reflect current conditions in the financial and annuity markets. Assumptions under the asset allocation regulation are updated quarterly; assumptions under the benefit payments regulation are updated monthly. This final rule updates the benefit payments interest assumptions for April 2017 and updates the asset allocation interest assumptions for the second quarter (April through June) of 2017.

The second quarter 2017 interest assumptions under the allocation regulation will be 2.15 percent for the first 20 years following the valuation date and 2.60 percent thereafter. In comparison with the interest assumptions in effect for the first quarter of 2017, these interest assumptions represent no change in the select period (the period during which the select rate (the initial rate) applies), an increase of 0.28 percent in the select rate, and an increase of 0.23 percent in the ultimate rate (the final rate).

The April 2017 interest assumptions under the benefit payments regulation

will be 1.00 percent for the period during which a benefit is in pay status and 4.00 percent during any years preceding the benefit's placement in pay status. In comparison with the interest assumptions in effect for March 2017, these interest assumptions represent a decrease of 0.25 percent in the immediate rate and no changes in i1, i2, or i3.

PBGC has determined that notice and public comment on this amendment are impracticable and contrary to the public interest. This finding is based on the need to determine and issue new interest assumptions promptly so that the assumptions can reflect current market conditions as accurately as possible.

Because of the need to provide immediate guidance for the valuation and payment of benefits under plans with valuation dates during April 2017, PBGC finds that good cause exists for making the assumptions set forth in this amendment effective less than 30 days after publication.

PBGC has determined that this action is not a "significant regulatory action" under the criteria set forth in Executive Order 12866.

Because no general notice of proposed rulemaking is required for this amendment, the Regulatory Flexibility Act of 1980 does not apply. See 5 U.S.C. 601(2).

**List of Subjects**
**29 CFR Part 4022**

Employee benefit plans, Pension insurance, Pensions, Reporting and recordkeeping requirements.

**29 CFR Part 4044**

Employee benefit plans, Pension insurance, Pensions.

In consideration of the foregoing, 29 CFR parts 4022 and 4044 are amended as follows:

**PART 4022—BENEFITS PAYABLE IN TERMINATED SINGLE-EMPLOYER PLANS**

■ 1. The authority citation for part 4022 continues to read as follows:

**Authority:** 29 U.S.C. 1302, 1322, 1322b, 1341(c)(3)(D), and 1344.

■ 2. In appendix B to part 4022, Rate Set 282, as set forth below, is added to the table.

**Appendix B to Part 4022—Lump Sum Interest Rates For PBGC Payments**

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