

**§ 39.13 [Amended]**

■ 2. The FAA amends § 39.13 by adding the following new airworthiness directive:

**The Boeing Company:** Docket No. FAA–2022–1312; Project Identifier AD–2022–00551–T.

**(a) Comments Due Date**

The FAA must receive comments on this airworthiness directive (AD) by January 23, 2023.

**(b) Affected ADs**

None.

**(c) Applicability**

This AD applies to The Boeing Company Model 777–200, –200LR, –300, –300ER, and 777F airplanes, certificated in any category, as identified in Boeing Alert Requirements Bulletin 777–53A0098 RB, dated April 5, 2022.

**(d) Subject**

Air Transport Association (ATA) of America Code 53, Fuselage.

**(e) Unsafe Condition**

This AD was prompted by reports of cracks found in the station (STA) 2370 pivot bulkhead forward outer chord. Analysis revealed higher bending stresses across the chord than originally assessed. The FAA is issuing this AD to address cracking in the STA 2370 pivot bulkhead forward outer chord. Such cracking, if not detected and corrected, could result in a severed pivot bulkhead outer chord, loss of horizontal stabilizer control, and loss of controllability of the airplane.

**(f) Compliance**

Comply with this AD within the compliance times specified, unless already done.

**(g) Required Actions**

Except as specified by paragraph (h) of this AD: At the applicable times specified in the “Compliance” paragraph of Boeing Alert Requirements Bulletin 777–53A0098 RB, dated April 5, 2022, do all applicable actions identified in, and in accordance with, the Accomplishment Instructions of Boeing Alert Requirements Bulletin 777–53A0098 RB, dated April 5, 2022.

**Note 1 to paragraph (g):** Guidance for accomplishing the actions required by this AD can be found in Boeing Alert Service Bulletin 777–53A0098, dated April 5, 2022, which is referred to in Boeing Alert Requirements Bulletin 777–53A0098 RB, dated April 5, 2022.

**(h) Exceptions to Service Information Specifications**

(1) Where the Compliance Time columns of the tables in the “Compliance” paragraph of Boeing Alert Requirements Bulletin 777–53A0098 RB, dated April 5, 2022, use the phrase “the original issue date of Requirements Bulletin 777–53A0098 RB,” this AD requires using “the effective date of this AD.”

(2) Where Boeing Alert Requirements Bulletin 777–53A0098 RB, dated April 5,

2022, specifies contacting Boeing for repair instructions: This AD requires doing the repair using a method approved in accordance with the procedures specified in paragraph (i) of this AD.

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

(1) The Manager, Seattle ACO Branch, FAA, has the authority to approve AMOCs for this AD, if requested using the procedures found in 14 CFR 39.19. In accordance with 14 CFR 39.19, send your request to your principal inspector or responsible Flight Standards Office, as appropriate. If sending information directly to the manager of the certification office, send it to the attention of the person identified in paragraph (j) of this AD. Information may be emailed to: [9-ANM-Seattle-ACO-AMOC-Requests@faa.gov](mailto:9-ANM-Seattle-ACO-AMOC-Requests@faa.gov).

(2) Before using any approved AMOC, notify your appropriate principal inspector, or lacking a principal inspector, the manager of the responsible Flight Standards Office.

(3) An AMOC that provides an acceptable level of safety may be used for any repair, modification, or alteration required by this AD if it is approved by The Boeing Company Organization Designation Authorization (ODA) that has been authorized by the Manager, Seattle ACO Branch, FAA, to make those findings. To be approved, the repair method, modification deviation, or alteration deviation must meet the certification basis of the airplane, and the approval must specifically refer to this AD.

**(j) Related Information**

For more information about this AD, contact Luis Cortez-Muniz, Aerospace Engineer, Airframe Sections, FAA, Seattle ACO Branch, 2200 South 216th St., Des Moines, WA 98198; phone and fax: 206–231–3958; email: [luis.a.cortez-muniz@faa.gov](mailto:luis.a.cortez-muniz@faa.gov).

**(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) Boeing Alert Requirements Bulletin 777–53A0098 RB, dated April 5, 2022.

(ii) [Reserved]

(3) For service information identified in this AD, contact Boeing Commercial Airplanes, Attention: Contractual & Data Services (C&DS), 2600 Westminister Blvd., MC 110–SK57, Seal Beach, CA 90740–5600; telephone 562–797–1717; website [myboeingfleet.com](http://myboeingfleet.com).

(4) You may view this service information at the FAA, Airworthiness Products Section, Operational Safety Branch, 2200 South 216th St., Des Moines, WA. For information on the availability of this material at the FAA, call 206–231–3195.

(5) You may view this service information that is incorporated by reference at the National Archives and Records Administration (NARA). For information on the availability of this material at NARA, [fr.inspection@nara.gov](mailto:fr.inspection@nara.gov), or go to:

[www.archives.gov/federal-register/cfr/ibr-locations.html](http://www.archives.gov/federal-register/cfr/ibr-locations.html).

Issued on October 21, 2022.

**Christina Underwood,**

*Acting Director, Compliance & Airworthiness Division, Aircraft Certification Service.*

[FR Doc. 2022–26591 Filed 12–7–22; 8:45 am]

**BILLING CODE 4910–13–P**

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

[Docket No. FAA–2022–1416; Project Identifier AD–2022–00725–E]

**RIN 2120–AA64**

**Airworthiness Directives; General Electric Company Turbofan Engines**

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

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

**SUMMARY:** The FAA proposes to supersede Airworthiness Directive (AD) 2012–02–07, which applies to certain General Electric Company (GE) CF6–45 and CF6–50 series model turbofan engines with a specified low-pressure turbine (LPT) rotor stage 3 disk installed. AD 2012–02–07 requires inspections of high-pressure turbine (HPT) and LPT rotors, engine checks, vibration surveys, an optional LPT rotor stage 3 disk removal after a failed HPT blade borescope inspection (BSI) or a failed engine core vibration survey, establishes a lower life limit for the affected LPT rotor stage 3 disks, and requires removing these disks from service at times determined by a drawdown plan. Since the FAA issued AD 2012–02–07, four additional events of separation of the LPT rotor assembly have been reported resulting in the LPT rotor assembly departing the rear of the engine. The manufacturer has improved the design of the LPT rotor stage 3 disk. This proposed AD would continue to require inspections of HPT and LPT rotor stage 1 and stage 2 blades, vibration surveys, and use of a lower life limit for the affected LPT rotor stage 3 disks. As a terminating action to the inspections, engine checks, and vibration surveys, this proposed AD would require removal and replacement of the LPT rotor stage 3 disk with a redesigned LPT rotor stage 3 disk. This proposed AD would also revise the compliance time of the drawdown plan for the removal and replacement of the LPT rotor stage 3 disk. This proposed AD would also prohibit the installation

or reinstallation of certain LPT rotor stage 3 disks. The FAA is proposing this AD to address the unsafe condition on these products.

**DATES:** The FAA must receive comments on this proposed AD by January 23, 2023.

**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 *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.

*AD Docket:* You may examine the AD docket at *regulations.gov* by searching for and locating Docket No. FAA-2022-1416; or in person at Docket Operations between 9 a.m. and 5 p.m., Monday through Friday, except Federal holidays. The AD docket contains this NPRM, any comments received, and other information. The street address for Docket Operations is listed above.

**FOR FURTHER INFORMATION CONTACT:** Sungmo Cho, Aviation Safety Engineer, ECO Branch, FAA, 1200 District Avenue, Burlington, MA 01803; phone: (781) 238-7241; email: *Sungmo.D.Cho@faa.gov*.

#### SUPPLEMENTARY INFORMATION:

##### Comments Invited

The FAA invites you to send any written relevant data, views, or arguments about this proposal. Send your comments to an address listed under **ADDRESSES**. Include “Docket No. FAA-2022-1416; Project Identifier AD-2022-00725-E” at the beginning of your comments. The most helpful comments reference a specific portion of the proposal, explain the reason for any recommended change, and include supporting data. The FAA will consider all comments received by the closing date and may amend the proposal because of those comments.

Except for Confidential Business Information (CBI) as described in the following paragraph, and other information as described in 14 CFR 11.35, the FAA will post all comments received, without change, to *regulations.gov*, including any personal information you provide. The agency will also post a report summarizing each

substantive verbal contact received about this NPRM.

##### Confidential Business Information

CBI is commercial or financial information that is both customarily and actually treated as private by its owner. Under the Freedom of Information Act (FOIA) (5 U.S.C. 552), CBI is exempt from public disclosure. If your comments responsive to this NPRM contain commercial or financial information that is customarily treated as private, that you actually treat as private, and that is relevant or responsive to this NPRM, it is important that you clearly designate the submitted comments as CBI. Please mark each page of your submission containing CBI as “PROPIN.” The FAA will treat such marked submissions as confidential under the FOIA, and they will not be placed in the public docket of this NPRM. Submissions containing CBI should be sent to Sungmo Cho, Aviation Safety Engineer, ECO Branch, FAA, 1200 District Avenue, Burlington, MA 01803. Any commentary that the FAA receives which is not specifically designated as CBI will be placed in the public docket for this rulemaking.

##### Background

The FAA issued AD 2012-02-07, Amendment 39-16930 (77 FR 4650, January 31, 2012) (AD 2012-02-07), for GE CF6-45A, CF6-45A2, CF6-50A, CF6-50C, CF6-50CA, CF6-50C1, CF6-50C2, CF6-50C2B, CF6-50C2D, CF6-50E, CF6-50E1, CF6-50E2, and CF6-50E2B model turbofan engines, including engines marked on the engine data plate as CF6-50C2-F and CF6-50C2-R, with a specified LPT rotor stage 3 disk, identified by part number (P/N), installed. AD 2012-02-07 superseded AD 2011-02-07, Amendment 39-16580 (76 FR 6323, February 4, 2011) and AD 2011-18-01, Amendment 39-16783 (76 FR 52213, August 22, 2011). AD 2012-02-07 was prompted by the determination that a new lower life limit for the affected LPT rotor stage 3 disks was necessary. AD 2012-02-07 retained the requirements of the two superseded ADs, which required inspections of HPT and LPT rotors, ultrasonic inspection (UI) of the LPT rotor stage 3 disk forward spacer arm, exhaust gas temperature (EGT) resistance check, EGT thermocouple inspection, cleaning, fluorescent-penetrant inspection (FPI) of the LPT rotor stage 3 disk, engine checks, and vibration surveys. AD 2012-02-07 also added an optional LPT rotor stage 3 disk removal after a failed HPT BSI or a failed engine core vibration survey, established a new lower life limit for the

affected LPT rotor stage 3 disks, and required removing those disks from service at times determined by a drawdown plan. The agency issued AD 2012-02-07 to prevent critical life-limited rotating engine part failure, which could result in an uncontained engine failure and damage to the airplane.

##### Actions Since AD 2012-02-07 Was Issued

Since the FAA issued AD 2012-02-07, the FAA has received reports of four additional events of separation of the LPT rotor assembly, which resulted in the LPT rotor assembly departing the rear of the engine. Following the most recent separation event, the FAA determined that due to the complexity of AD 2012-02-07, the limitations of certain operators to access required equipment and training needed to accomplish the inspections, and the manufacturer’s redesign of the LPT rotor stage 3 disk, AD 2012-02-07 should be superseded. The redesigned LPT rotor stage 3 disk, P/N 2453M80P01, has a thicker forward spacer arm, which reduces stress on the forward arm area and increases its high cycle fatigue alternating stress capability.

Accordingly, the FAA is proposing to require the replacement of the affected LPT rotor stage 3 disk with a redesigned LPT rotor stage 3 disk, P/N 2453M80P01, as a terminating action to the HPT blade inspection, vibration survey, UI, EGT resistance check, EGT thermocouple inspection, cleaning, and FPI. This proposed AD would also revise the installation prohibition for affected LPT rotor stage 3 disks. AD 2012-02-07 prohibited the installation or reinstallation of an affected LPT rotor stage 3 disk if it had exceeded 6,200 cycles since new. This proposed AD would prohibit installing an affected LPT rotor stage 3 disk onto any engine.

##### FAA’s Determination

The FAA is issuing this NPRM after determining that the unsafe condition described previously is likely to exist or develop on other products of the same type designs.

##### Proposed AD Requirements in This NPRM

This proposed AD would retain certain requirements of AD 2012-02-07. As a terminating action to the HPT blade inspection, vibration survey, UI, EGT resistance check, EGT thermocouple inspection, cleaning, and FPI of the LPT rotor stage 3 disk, this proposed AD would require removal and replacement of the LPT rotor stage 3 disk with improved design LPT rotor

stage 3 disk P/N 2453M80P01 within 18 months of the effective date of the AD. This proposed AD would also prohibit the installation or reinstallation of

certain LPT rotor stage 3 disks on any engine.

**Costs of Compliance**

The FAA estimates that this AD, if adopted as proposed, would affect 26

engines installed on airplanes of U.S. registry.

The FAA estimates the following costs to comply with this proposed AD:

**ESTIMATED COSTS**

| Action   | Labor cost                                     | Parts cost | Cost per product | Cost on U.S. operators |
|--|--|------------|------------------|------------------------|
| HPT blade inspection, vibration survey, UI, EGT resistance check, EGT thermocouple inspection, cleaning and FPI of the LPT rotor stage 3 disk. | 28 work-hours × \$85 per hour = \$2,380 .....  | \$0        | \$2,380          | \$61,880               |
| Remove and replace LPT rotor stage 3 disk  | 620 work-hours × \$85 per hour = \$52,700 .... | 276,300    | 329,000          | 8,554,000              |

**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.

The FAA is 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**

The FAA determined that this proposed AD would not have federalism implications under Executive Order 13132. This proposed AD 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.

For the reasons discussed above, I certify that the proposed regulation:

- (1) Is not a “significant regulatory action” under Executive Order 12866,
- (2) Would not affect intrastate aviation in Alaska, and
- (3) Would 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.

**The Proposed Amendment**

Accordingly, under the authority delegated to me by the Administrator, the FAA proposes to amend 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:
  - a. Removing Airworthiness Directive AD 2012–02–07, Amendment 39–16930 (77 FR 4650, January 31, 2012); and
  - b. Adding the following new airworthiness directive:

**General Electric Company:** Docket No. FAA–2022–1416; Project Identifier AD–2022–00725–E.

**(a) Comments Due Date**

The FAA must receive comments on this airworthiness directive (AD) action by January 23, 2023.

**(b) Affected ADs**

This AD replaces AD 2012–02–07, Amendment 39–16930 (77 FR 4650, January 31, 2012) (AD 2012–02–07).

**(c) Applicability**

This AD applies to General Electric Company (GE) CF6–45A, CF6–45A2, CF6–50A, CF6–50C, CF6–50CA, CF6–50C1, CF6–50C2, CF6–50C2B, CF6–50C2D, CF6–50E, CF6–50E1, CF6–50E2, and CF6–50E2B model turbofan engines, including engines marked on the engine data plate as CF6–50C2–F and CF6–50C2–R, with an installed low-pressure turbine (LPT) rotor stage 3 disk having a part number listed in Table 1 to paragraph (c) of this AD.

**TABLE 1 TO PARAGRAPH (c)—APPLICABLE LPT ROTOR STAGE 3 DISK PART NUMBERS**

|            |            |            |            |            |
|------------|------------|------------|------------|------------|
| 9061M23P06 | 9061M23P07 | 9061M23P08 | 9061M23P09 | 9224M75P01 |
| 9061M23P10 | 1473M90P01 | 1473M90P02 | 1473M90P03 | 1473M90P04 |
| 9061M23P12 | 9061M23P14 | 9061M23P15 | 9061M23P16 | 1479M75P01 |
| 1479M75P02 | 1479M75P03 | 1479M75P04 | 1479M75P05 | 1479M75P06 |
| 1479M75P07 | 1479M75P08 | 1479M75P09 | 1479M75P11 | 1479M75P13 |
| 1479M75P14 | N/A        | N/A        | N/A        | N/A        |

**(d) Subject**

Joint Aircraft System Component (JASC) Code 7250, Turbine Section.

**(e) Unsafe Condition**

This AD was prompted by the occurrence of four events of separation of the LPT rotor assembly, occurring after the effective date of

AD 2012–02–07, which resulted in the LPT rotor assembly departing the rear of the engine. The FAA is issuing this AD to prevent critical life-limited rotating engine part failure. The unsafe condition, if not addressed, could result in an uncontained engine failure and damage to the airplane.

**(f) Compliance**

Comply with this AD within the compliance times specified, unless already done.

**(g) Required Actions**

(1) Borescope Inspections (BSI) of High-Pressure Turbine (HPT) Rotor Stage 1 and Stage 2 Blades:

For the BSIs required by paragraphs (g)(1)(i) through (iii) of this AD, inspect the blades from the forward and aft directions. Inspect all areas of the blade airfoil. The inspection must include blade leading and

trailing edges and their convex and concave airfoil surfaces. Inspect for signs of impact, cracking, burning, damage, and distress.

(i) Within 75 cycles since last inspection (CSLI) or before further flight, whichever occurs later, perform an initial BSI of the HPT rotor stage 1 and stage 2 blades.

(ii) Thereafter, within every 75 CSLI, repeat the BSI of the HPT rotor stage 1 and stage 2 blades.

(iii) Within the cycle limits after the engine has experienced any of the events specified in Table 1 to paragraph (g)(1) of this AD, borescope-inspect the HPT rotor stage 1 and stage 2 blades.

(iv) If the engine fails any of the BSIs required by this AD, before further flight, remove the engine from service.

**TABLE 2 TO PARAGRAPH (g)(1)—CONDITIONAL BSI CRITERIA**

| If the engine has experienced:   | Then borescope inspect: |
|--|-------------------------|
| (i) An exhaust gas temperature (EGT) above redline .....   | Within 10 cycles.       |
| (ii) A shift in the smoothed EGT trending data that exceeds 18 °F (10 °C), but is less than or equal to 36 °F (20 °C).                             | Within 10 cycles.       |
| (iii) A shift in the smoothed EGT trending data that exceeds 36 °F (20 °C) .....   | Before further flight.  |
| (iv) Two consecutive raw EGT trend data points that exceed 18 °F (10 °C), but are less than or equal to 36 °F (20 °C), above the smoothed average. | Within 10 cycles.       |
| (v) Two consecutive raw EGT trend data points that exceed 36 °F (20 °C) above the smoothed average .....   | Before further flight.  |

(2) Engines with Damaged HPT Rotor Blades:

For those engines that fail any BSI requirements of this AD, before returning the engine to service, accomplish the actions required by paragraph (g)(2)(i) or (ii) of this AD:

(i) Remove the LPT rotor stage 3 disk from service; or  
 (ii) Perform a fluorescent-penetrant inspection (FPI) of the inner diameter surface forward cone body (forward spacer arm) of the LPT rotor stage 3 disk as specified in paragraphs (g)(6)(i)(A) through (C) of this AD.

(3) EGT Thermocouple Probe Inspections.

(i) Within 750 CSLI, or before further flight, whichever occurs later, inspect the EGT thermocouple probe for damage.

**Note 1 to paragraph (g)(3)(i):** Damage to the EGT thermocouple probe may be indicated by wear through the thermocouple guide sleeve or contact between the turbine mid-frame liner and the EGT thermocouple probe.

(ii) Thereafter, within every 750 CSLI, re-inspect the EGT thermocouple probe for damage.

(iii) If any EGT thermocouple probe shows wear through the thermocouple guide sleeve or contact between the turbine mid-frame liner and the EGT thermocouple probe, before further flight, remove and replace the EGT thermocouple probe and ensure the turbine mid-frame liner does not contact the EGT thermocouple probe.

(4) EGT System Resistance Checks.

(i) Within 750 cycles since the last resistance check on the EGT system or before further flight, whichever occurs later, perform an EGT system resistance check.

(ii) Thereafter, within every 750 cycles since the last resistance check, repeat the EGT system resistance check.

(iii) If an EGT system component fails the resistance system check, before further flight, remove and replace, or repair the EGT system component.

(ii) Use about a one-minute acceleration and a one-minute deceleration of the engine between ground idle and 84% N2 (about 8,250 rpm) to perform the engine core vibration survey.

(iii) Use a spectral/trim balance analyzer or equivalent to measure the N2 rotor vibration.

(iv) If the vibration level is above 5 mils Double Amplitude then, before further flight, remove the engine from service.

(v) For those engines that fail any engine core vibration survey requirements of this AD, then before returning the engine to service:

(A) Remove the LPT rotor stage 3 disk from service; or

(B) Perform an FPI of the inner diameter surface forward spacer arm of the LPT rotor stage 3 disk as specified in paragraph (g)(6)(i)(A) through (C) of this AD.

(vi) Thereafter, within every 350 cycles since the last engine core vibration survey, perform the engine core vibration survey as required in paragraphs (g)(5)(i) through (v) of this AD.

(vii) If the engine has experienced any vibration reported by maintenance or flight crew that is suspected to be caused by the engine core (N2), within 10 cycles after the report, perform the engine core vibration survey as required in paragraphs (g)(5)(i) through (v) of this AD.

(viii) Vibration surveys carried out in an engine test cell as part of an engine manual performance run fulfill the vibration survey requirements of paragraphs (g)(5)(ii) and (iii) of this AD.

(6) Initial and Repetitive FPI of LPT Rotor Stage 3 Disk.

(i) At the next shop visit after accumulating 1,000 cycles since the last FPI of the LPT rotor stage 3 disk forward spacer arm or before further flight, whichever occurs later:

(A) Clean the LPT rotor stage 3 disk forward spacer arm, including the use of a wet-abrasive blast, to eliminate residual or background fluorescence.

(B) Perform an FPI of the LPT rotor stage 3 disk forward spacer arm for cracks and for a band of fluorescence. Include all areas of the disk forward spacer arm and the inner

diameter surface forward spacer arm of the LPT rotor stage 3 disk.

(C) If a crack or a band of fluorescence is present, before further flight, remove the disk from service.

(ii) Thereafter, at each engine shop visit that occurs after accumulating 1,000 cycles since the last FPI of the LPT rotor stage 3 disk forward spacer arm, clean and perform an FPI of the LPT rotor stage 3 disk forward spacer arm, as specified in paragraph (g)(6)(i)(A) through (C) of this AD.

(7) Removal of LPT Rotor Stage 3 Disk.

(i) For any installed LPT rotor stage 3 disk having a part number listed in Table 1 to paragraph (c) of this AD, at the first occurrence of any one of the conditions identified in paragraphs (g)(7)(i)(A) through (C) of this AD, remove the LPT rotor stage 3 disk from service and replace with LPT rotor stage 3 disk part number 2453M80P01.

(A) For a disk that has accumulated fewer than 3,200 cycles since new (CSN) as of March 6, 2012 (the effective date of AD 2012-02-07), remove the disk from service before accumulating 6,200 CSN.

(B) For a disk that accumulated 3,200 or more CSN as of March 6, 2012 (the effective date of AD 2012-02-07), do the actions required by paragraphs (g)(7)(i)(B)(1) or (2) of this AD, as applicable to your engine.

(1) If the engine has a shop visit before the disk accumulates 6,200 CSN, remove the disk from service at that shop visit.

(2) If the engine does not have a shop visit before the disk accumulates 6,200 CSN, remove the disk from service at the next shop visit after accumulating 6,200 CSN, not to exceed 3,000 cycles from March 6, 2012 (the effective date of AD 2012-02-07).

(C) Before exceeding 18 months from the effective date of this AD.

**(h) Terminating Action**

Replacement of the LPT rotor stage 3 disk in accordance with paragraph (g)(7) of this AD constitutes terminating action for the inspections, engine checks and vibration surveys required by paragraphs (g)(1) through (6) of this AD.

**(i) Installation Prohibition**

After the effective date of this AD, do not install or reinstall onto any engine an LPT rotor stage 3 disk listed in Table 1 to paragraph (c) of this AD that has accumulated 6,200 CSN or more.

**(j) Definitions**

(1) For the purposes of this AD, an EGT above redline is a confirmed over-temperature indication that is not a result of EGT system error.

(2) For the purposes of this AD, a shift in the smoothed EGT trending data is a shift in a rolling average of EGT readings that can be confirmed by a corresponding shift in the trending of fuel flow or fan speed/core speed (N1/N2) relationship. You can find further guidance about evaluating EGT trend data in GE Company Service Rep Tip 373 "Guidelines For Parameter Trend Monitoring."

(3) For the purposes of this AD, an engine shop visit is the induction of an engine into the shop, where the separation of a major engine flange occurs; except the following maintenance actions, or any combination, are not considered engine shop visits:

(i) Induction of an engine into a shop solely for removal of the compressor top or bottom case for airfoil maintenance or variable stator vane bushing replacement.

(ii) Induction of an engine into a shop solely for removal or replacement of the stage 1 fan disk.

(iii) Induction of an engine into a shop solely for replacement of the turbine rear frame.

(iv) Induction of an engine into a shop solely for replacement of the accessory gearbox or transfer gearbox, or both.

(v) Induction of an engine into a shop solely for replacement of the fan forward case.

(4) For the purposes of this AD, a raw EGT trend data point above the smoothed average is a confirmed temperature reading over the rolling average of EGT readings that is not a result of EGT system error.

**(k) Credit for Previous Actions**

You may take credit for the actions required by paragraph (g) of this AD if they were performed before the effective date of this AD using GE Service Bulletin (SB) No. CF6-50 SB 72-1315, Initial Issue, dated June 3, 2011, or GE SB No. CF6-50 SB 72-1315, Revision 1, dated June 30, 2011.

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

(1) The Manager, ECO Branch, FAA, has the authority to approve AMOCs for this AD, if requested using the procedures found in 14 CFR 39.19. In accordance with 14 CFR 39.19, send your request to your principal inspector or local Flight Standards District Office, as appropriate. If sending information directly to the manager of the certification office, send it to the attention of the person identified in paragraph (m) of this AD and email it to: [ANE-AD-AMOC@faa.gov](mailto:ANE-AD-AMOC@faa.gov).

(2) Before using any approved AMOC, notify your appropriate principal inspector, or lacking a principal inspector, the manager of the local flight standards district office/certificate holding district office.

(3) AMOCs approved previously for AD 2010-12-10, Amendment 39-16331 (75 FR 32649, June 9, 2010), AD 2011-02-07, Amendment 39-16580 (76 FR 6323, February 4, 2011), or AD 2011-18-01, Amendment 39-16783 (76 FR 52213, August 22, 2011) are approved as AMOCs for the corresponding provisions of this AD.

**(m) Related Information**

For more information about this AD, contact Sungmo Cho, Aviation Safety Engineer, ECO Branch, FAA, 1200 District Avenue, Burlington, MA 01803; phone: (781) 238-7241; email: [Sungmo.D.Cho@faa.gov](mailto:Sungmo.D.Cho@faa.gov).

**(n) Material Incorporated by Reference**

None.

Issued on November 3, 2022.

**Christina Underwood,**

*Acting Director, Compliance & Airworthiness Division, Aircraft Certification Service.*

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**DEPARTMENT OF THE TREASURY****Internal Revenue Service****26 CFR Part 1**

[REG-106134-22]

RIN 1545-BQ39

**Syndicated Conservation Easement Transactions as Listed Transactions**

**AGENCY:** Internal Revenue Service (IRS), Treasury.

**ACTION:** Notice of proposed rulemaking and notice of public hearing.

**SUMMARY:** This document contains proposed regulations that identify certain syndicated conservation easement transactions and substantially similar transactions as listed transactions, a type of reportable transaction. Material advisors and certain participants in these listed transactions are required to file disclosures with the IRS and are subject to penalties for failure to disclose. The proposed regulations affect participants in these transactions as well as material advisors. In addition, while the proposed regulations exclude qualified organizations from being treated as participants or parties to a prohibited tax shelter transaction subject to excise tax, this notice of proposed rulemaking requests comments on whether the final regulations should remove the exclusion from the application of the excise tax for qualified organizations that facilitate syndicated conservation easement transactions. Finally, this document provides notice of a public hearing on the proposed regulations.

**DATES:**

*Comment date:* Electronic or written comments must be received by February 6, 2023.

*Public hearing:* The public hearing is scheduled to be held by teleconference on March 1, 2023, at 10 a.m. ET. Requests to speak and outlines of topics to be discussed at the public hearing must be received by February 6, 2022. If no outlines are received by February 6, 2023, the public hearing will be cancelled. Requests to attend the public hearing must be received by 5 p.m. ET on February 27, 2023. The telephonic hearing will be made accessible to people with disabilities. Requests for special assistance during the telephonic hearing must be received by February 24, 2023.

**ADDRESSES:** Commenters are strongly encouraged to submit public comments electronically. Submit electronic submissions via the Federal eRulemaking Portal at [www.regulations.gov](http://www.regulations.gov) (indicate IRS and REG-106134-22). Once submitted to the Federal eRulemaking Portal, comments cannot be edited or withdrawn. The Department of the Treasury (Treasury Department) and the IRS will publish any comments to the public docket. Send paper submissions to: CC:PA:LPD:PR (REG-106134-22), Room 5203, Internal Revenue Service, P.O. Box 7604, Ben Franklin Station, Washington, DC 20044.

For those requesting to speak during the hearing, send an outline of topic submissions electronically via the Federal eRulemaking Portal at [www.regulations.gov](http://www.regulations.gov) (indicate IRS and REG-106134-22).

Individuals who want to testify by telephone at the public hearing must send an email to [publichearings@irs.gov](mailto:publichearings@irs.gov) to receive the telephone number and access code for the hearing. The subject line of the email must contain the regulation number REG-106134-22 and the word TESTIFY. For example, the subject line may say: Request to TESTIFY at Hearing for REG-106134-22. The email should include a copy of the speaker's public comments and outline of topics. Individuals who want to attend by telephone the public hearing must also send an email to [publichearings@irs.gov](mailto:publichearings@irs.gov) to receive the telephone number and access code for the hearing. The subject line of the email must contain the regulation number REG-106134-22 and the word ATTEND. For example, the subject line may say: Request to ATTEND Hearing for REG-106134-22. To request special assistance during the telephonic hearing, contact the Publications and Regulations Branch of the Office of