

electronically should be provided in PDF (preferred), Microsoft Word or Excel, WordPerfect, or text (ASCII) file format. Provide documents that are not secured, that are written in English, and that are free of any defects or viruses. Documents should not contain special characters or any form of encryption and, if possible, they should carry the electronic signature of the author.

**Campaign form letters.** Please submit campaign form letters by the originating organization in batches of between 50 to 500 form letters per PDF or as one form letter with a list of supporters' names compiled into one or more PDFs. This reduces comment processing and posting time.

**Confidential Business Information.** Pursuant to 10 CFR 1004.11, any person submitting information that he or she believes to be confidential and exempt by law from public disclosure should submit via email two well-marked copies: One copy of the document marked "confidential" including all the information believed to be confidential, and one copy of the document marked "non-confidential" with the information believed to be confidential deleted. DOE will make its own determination about the confidential status of the information and treat it according to its determination.

It is DOE's policy that all comments may be included in the public docket, without change and as received, including any personal information provided in the comments (except information deemed to be exempt from public disclosure).

#### *E. Issues on Which DOE Seeks Comment*

Although DOE welcomes comments on any aspect of this proposed determination, DOE is particularly interested in receiving comments and views of interested parties concerning the following issues:

(1) DOE requests data and information related to achievable R-values of polyurethane foam insulation on jacketed UFHWSTs at thicknesses above 3 inches. DOE also seeks comment on its understanding of the difficulties associated with applying more than 3 inches of foam to jacketed UFHWSTs.

(2) DOE seeks comment on the considered efficiency levels analyzed for UFHWSTs. Additionally, DOE seeks comment on its assumption that polyurethane foam has an R-value per inch of 6.25, up to a maximum thickness of 3 inches.

(3) DOE requests comment on the inputs and assumptions used in its engineering analysis. In particular, DOE requests input on its choice of representative volumes, its assumptions

about the typical coverage of various insulation materials, and its estimated R-values for each insulation material at each EL considered.

(4) DOE requests comment on the appropriateness of its assumption regarding the use of a constant internal water temperature of 140 °F.

(5) DOE requests comment on its assumption regarding the typical ambient temperatures for UFHWSTs installed indoors and outdoors.

(6) DOE requests comment on its assumption that 10 percent of all UFHWST would be installed outdoors. DOE requests information on the typical capacities and R-values of outdoor equipment.

(7) DOE requests comment on its assumption that outdoor installations would be limited to climate zones 1A, 2A, and 2B. DOE requests information or data on the fraction of installations that occur within these, or other, climate zones.

(8) DOE requests comment on its Tank Thermal Loss Model.

(9) DOE requests data and information which can be used to estimate installation costs of UFHWSTs with modified dimensions.

(10) DOE requests information and data characterizing the types of buildings where installation difficulties are likely to occur and to lead to increased installation cost, as well as the frequency with which such installation problems may arise.

(11) DOE requests information and data characterizing the average installation costs for UFHWSTs at all different storage volumes.

(12) DOE requests information and data characterizing the circumstances that would drive the decision to potentially restructure existing building spaces, including doorways and mechanical rooms, when installing a replacement UFHWST. For example, is the decision driven by a minimum building code requirement for door openings?

(13) DOE requests comments generally regarding its stock analysis for UFHWSTs.

(14) DOE requests comment regarding its assumption that there would be only one UFHWST per building.

(15) DOE requests comment regarding its disaggregation of UFHWST stock by sector.

(16) DOE requests comment on its assumption that UFHWSTs are not used for industrial process hot water storage.

(17) DOE requests comment on its assumption of a 12-year lifetime for UFHWSTs similar to commercial electric hot water storage tanks.

(18) DOE requests comment on its use of *AEO 2021* trends as a scaler to project shipments to new construction.

(19) DOE requests comment on its distribution of shipments by storage volume, and on its assumption that the distribution of shipments by storage volume does not change over time.

(20) DOE requests comment regarding its applied efficiency distribution that 99 percent of all units sold are currently at baseline (R-12.5).

### **VIII. Approval of the Office of the Secretary**

The Secretary of Energy has approved publication of this notification of proposed determination.

#### **Signing Authority**

This document of the Department of Energy was signed on June 3, 2021, by Kelly Speakes-Backman, Principal Deputy Assistant Secretary and Acting Assistant Secretary for Energy Efficiency and Renewable Energy, pursuant to delegated authority from the Secretary of Energy. That document with the original signature and date is maintained by DOE. For administrative purposes only, and in compliance with requirements of the Office of the Federal Register, the undersigned DOE Federal Register Liaison Officer has been authorized to sign and submit the document in electronic format for publication, as an official document of the Department of Energy. This administrative process in no way alters the legal effect of this document upon publication in the **Federal Register**.

Signed in Washington, DC, on June 3, 2021.

**Treena V. Garrett,**

*Federal Register Liaison Officer, U.S. Department of Energy.*

[FR Doc. 2021-11957 Filed 6-9-21; 8:45 am]

**BILLING CODE 6450-01-P**

## **DEPARTMENT OF TRANSPORTATION**

### **Federal Aviation Administration**

#### **14 CFR Part 39**

[Docket No. FAA-2021-0459; Project Identifier MCAI-2021-00129-T]

**RIN 2120-AA64**

#### **Airworthiness Directives; Gulfstream Aerospace LP Airplanes**

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

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

**SUMMARY:** The FAA proposes to adopt a new airworthiness directive (AD) for

certain Gulfstream Aerospace LP Model Gulfstream G280 airplanes. This proposed AD was prompted by a report that during full-scale fatigue testing, a crack was found in the area of the attachment of the wing rib 0 to the front spar. This proposed AD would require non-destructive testing on the forward (front) spar vertical stiffener and rib 0 for any cracking, installation of a doubler to the forward (front) spar and rib 0 attachment, and repair if necessary, as specified in a Civil Aviation Authority of Israel (CAAI) AD, which is proposed for incorporation by reference. 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 July 26, 2021.

**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 <https://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 material that will be incorporated by reference (IBR) in this AD, contact The Civil Aviation Authority of Israel (CAAI), P.O. Box 1101, Golan Street, Airport City, 70100, Israel; telephone 972-3-9774665; fax 972-3-9774592; email [aip@mot.gov.il](mailto:aip@mot.gov.il). You may find this IBR material on the CAAI website at <https://www.caa.gov.il>. You may view this IBR material 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. It is also available in the AD docket at <https://www.regulations.gov> by searching for and locating Docket No. FAA-2021-0459.

#### Examining the AD Docket

You may examine the AD docket at <https://www.regulations.gov> by searching for and locating Docket No. FAA-2021-0459; 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:** Tom Rodriguez, Aerospace Engineer, Large Aircraft Section, International Validation Branch, FAA, 2200 South 216th St., Des Moines, WA 98198; telephone and fax 206-231-3226; email [Tom.Rodriguez@faa.gov](mailto:Tom.Rodriguez@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-2021-0459; Project Identifier MCAI-2021-00129-T” 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 <https://www.regulations.gov>, including any personal information you provide. The agency will also post a report summarizing each substantive verbal contact received about this proposed AD.

##### 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 Tom Rodriguez, Aerospace Engineer, Large Aircraft Section, International Validation Branch, FAA, 2200 South 216th St., Des Moines, WA 98198; telephone and fax 206-231-3226; email [Tom.Rodriguez@faa.gov](mailto:Tom.Rodriguez@faa.gov). 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 CAAI, which is the aviation authority for Israel, has issued CAAI AD I-57-2020-06-01, dated January 27, 2021 (CAAI AD I-57-2020-06-01) (also referred to as the Mandatory Continuing Airworthiness Information, or the MCAI), to correct an unsafe condition for certain Gulfstream Aerospace LP Model Gulfstream G280 airplanes.

This proposed AD was prompted by a report that during full-scale fatigue testing, a crack was found in the area of the attachment of the wing rib 0 to the front spar. The FAA is proposing this AD to address any cracking at the area of the wing rib 0 to the front spar, which could affect the structural integrity of the wing. See the MCAI for additional background information.

#### Related Service Information Under 14 CFR Part 51

CAAI AD I-57-2020-06-01 specifies procedures for non-destructive testing (high frequency, mid frequency, bolt hole eddy current inspections, and a liquid (dye) penetrant inspection) for cracking on the forward (front) spar vertical stiffener and rib 0, installation of a doubler to the forward (front) spar and rib 0 attachment, and repair if necessary. This material 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 and Requirements of This Proposed AD

This product has been approved by the aviation authority of another country, and is approved for operation in the United States. Pursuant to the FAA’s bilateral agreement with the State of Design Authority, the FAA has been notified of the unsafe condition described in the MCAI referenced above. The FAA is proposing this AD because the FAA 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.

#### Proposed AD Requirements

This proposed AD would require accomplishing the actions specified in CAAI AD I-57-2020-06-01 described previously, as incorporated by reference, except for any differences identified as exceptions in the regulatory text of this AD.

#### Explanation of Required Compliance Information

In the FAA’s ongoing efforts to improve the efficiency of the AD

process, the FAA initially worked with Airbus and EASA to develop a process to use certain EASA ADs as the primary source of information for compliance with requirements for corresponding FAA ADs. The FAA has since coordinated with other manufacturers and civil aviation authorities (CAAs) to use this process. As a result, CAAI AD I-57-2020-06-01 will be incorporated by reference in the FAA final rule. This

proposed AD would, therefore, require compliance with CAAI AD I-57-2020-06-01 in its entirety, through that incorporation, except for any differences identified as exceptions in the regulatory text of this proposed AD. Service information specified in CAAI AD I-57-2020-06-01 that is required for compliance with CAAI AD I-57-2020-06-01 will be available on the internet at <https://www.regulations.gov>

by searching for and locating Docket No. FAA-2021-0459 after the FAA final rule is published.

**Costs of Compliance**

The FAA estimates that this proposed AD affects 23 airplanes of U.S. registry. The FAA estimates the following costs to comply with this proposed AD:

**ESTIMATED COSTS FOR REQUIRED ACTIONS**

Labor cost	Parts cost	Cost per product	Cost on U.S. operators
80 work-hours × \$85 per hour = \$6,800* .....	\$400	*\$7,200	*\$165,600

\* If the actions are accomplished during 4C Check.

The FAA has received no definitive data on which to base the cost estimates for the repair specified in this proposed AD.

According to the manufacturer, some or all of the costs of this proposed AD may be covered under warranty, thereby reducing the cost impact on affected operators. The FAA does not control warranty coverage for affected operators. As a result, the FAA has included all known costs in the cost estimate.

**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 this 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 adding the following new airworthiness directive:

**Gulfstream Aerospace LP:** Docket No. FAA-2021-0459; Project Identifier MCAI-2021-00129-T.

**(a) Comments Due Date**

The FAA must receive comments on this airworthiness directive (AD) by July 26, 2021.

**(b) Affected ADs**

None.

**(c) Applicability**

This AD applies to Gulfstream Aerospace LP Model Gulfstream G280 airplanes,

certificated in any category, as identified in The Civil Aviation Authority of Israel (CAAI) AD I-57-2020-06-01, dated January 27, 2021 (CAAI AD I-57-2020-06-01).

**(d) Subject**

Air Transport Association (ATA) of America Code 57, Wings.

**(e) Reason**

This AD was prompted by a report that during full-scale fatigue testing, a crack was found in the area of the attachment of the wing rib 0 to the front spar. The FAA is issuing this AD to address any cracking at the area of the wing rib 0 to the front spar, which could affect the structural integrity of the wing.

**(f) Compliance**

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

**(g) Requirements**

Except as specified in paragraph (h) of this AD: Comply with all required actions and compliance times specified in, and in accordance with, CAAI AD I-57-2020-06-01.

**(h) Exceptions to CAAI AD I-57-2020-06-01**

Where CAAI AD I-57-2020-06-01 requires compliance “not later than 5,000 flight cycles,” this AD requires compliance before the accumulation of 5,000 total flight cycles since the date of issuance of the original Israeli airworthiness certificate or the date of issuance of the original Israeli export certificate of airworthiness.

**(i) No Reporting Requirement**

Although the service information referenced in CAAI AD I-57-2020-06-01 specifies to submit certain information to the manufacturer, this AD does not include that requirement.

**(j) Other FAA AD Provisions**

The following provisions also apply to this AD:

- (1) *Alternative Methods of Compliance (AMOCs):* The Manager, Large Aircraft Section, International Validation 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 Large Aircraft Section, International Validation Branch, send it to the attention of the person identified in paragraph (k)(2) of this AD. Information may be emailed to: [9-AVS-AIR-730-AMOC@faa.gov](mailto:9-AVS-AIR-730-AMOC@faa.gov). Before using any approved AMOC, notify your appropriate principal inspector, or lacking a principal inspector, the manager of the responsible Flight Standards Office.

(2) *Contacting the Manufacturer:* For any requirement in this AD to obtain instructions from a manufacturer, the instructions must be accomplished using a method approved by the Manager, Large Aircraft Section, International Validation Branch, FAA; or CAAI; or CAAI's authorized Designee. If approved by the CAAI Designee, the approval must include the Designee's authorized signature.

#### (k) Related Information

(1) For CAAI AD I-57-2020-06-01, contact The Civil Aviation Authority of Israel (CAAI), P.O. Box 1101, Golan Street, Airport City, 70100, Israel; telephone 972-3-9774665; fax 972-3-9774592; email [aip@mot.gov.il](mailto:aip@mot.gov.il). You may find this CAAI AD on the CAAI website at <https://www.caa.gov.il>. You may view this material 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. This material may be found in the AD docket on the internet at <https://www.regulations.gov> by searching for and locating Docket No. FAA-2021-0459.

(2) For more information about this AD, contact Tom Rodriguez, Aerospace Engineer, Large Aircraft Section, International Validation Branch, FAA, 2200 South 216th St., Des Moines, WA 98198; telephone and fax 206-231-3226; email [Tom.Rodriguez@faa.gov](mailto:Tom.Rodriguez@faa.gov).

Issued on June 6, 2021.

**Lance T. Gant,**

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

[FR Doc. 2021-12170 Filed 6-9-21; 8:45 am]

**BILLING CODE 4910-13-P**

## DEPARTMENT OF TRANSPORTATION

### Federal Aviation Administration

#### 14 CFR Part 39

[Docket No. FAA-2021-0455; Project Identifier 2018-SW-031-AD]

RIN 2120-AA64

#### Airworthiness Directives; Leonardo S.p.a. Helicopters

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

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

**SUMMARY:** The FAA proposes to adopt a new airworthiness directive (AD) for certain Leonardo S.p.a. Model AW189 helicopters. This proposed AD was prompted by fatigue testing and analyses. This proposed AD would require establishing a life limit for a certain part-numbered tail gearbox fitting. 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 July 26, 2021.

**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 <https://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 between 9 a.m. and 5 p.m., Monday through Friday, except Federal holidays.

For service information identified in this NPRM, contact Leonardo S.p.A. Helicopters, Emanuele Bufano, Head of Airworthiness, Viale G. Agusta 520, 21017 C. Costa di Samarate (Va) Italy; telephone +39-0331-225074; fax +39-0331-229046; or at <https://www.leonardocompany.com/en/home>. You may view this service information at the FAA, Office of the Regional Counsel, Southwest Region, 10101 Hillwood Pkwy., Room 6N-321, Fort Worth, TX 76177. For information on the availability of this material at the FAA, call (817) 222-5110.

#### Examining the AD Docket

You may examine the AD docket at <https://www.regulations.gov> by searching for and locating Docket No. FAA-2021-0455; 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, the European Aviation Safety Agency (now European Union Aviation Safety Agency) (EASA) AD, any comments received, and other information. The street address for Docket Operations is listed above.

**FOR FURTHER INFORMATION CONTACT:** Kristi Bradley, Program Manager, COS Program Management Section, Operational Safety Branch, Compliance & Airworthiness Division, FAA, 10101

Hillwood Pkwy., Fort Worth, TX 76177; telephone (817) 222-5110; email [kristin.bradley@faa.gov](mailto:kristin.bradley@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-2021-0455; Project Identifier 2018-SW-031-AD" 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 this 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 <https://www.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 Kristi Bradley, Program Manager, COS Program Management Section, Operational Safety Branch, Compliance & Airworthiness Division, FAA, 10101 Hillwood Pkwy., Fort Worth, TX 76177; telephone (817) 222-5110; email [kristin.bradley@faa.gov](mailto:kristin.bradley@faa.gov). Any commentary that the FAA receives which is not specifically designated as CBI will be placed in the public docket for this rulemaking.