

**2009-20-04 Glaser-Dirks Flugzeugbau GmbH:** Amendment 39-16027; Docket No. FAA-2009-0881; Directorate Identifier 2009-CE-050-AD.

### **Effective Date**

(a) This airworthiness directive (AD) becomes effective October 19, 2009.

### **Affected ADs**

(b) None.

### **Applicability**

(c) This AD applies to Model DG-100 gliders, serial numbers 5 and 21 through 103, certificated in any category.

### **Subject**

(d) Air Transport Association of America (ATA) Code 27: Flight Controls.

### **Reason**

(e) The mandatory continuing airworthiness information (MCAI) states:

The Elevator control bearing stand RU19 was required to be inspected for correct production in 1978 in accordance with Technical Note (TN) No. 301/6. In 2009, an accident occurred with a DG-100. The suspension bolt was found torn out of the bearing stand making the elevator uncontrollable. The investigation confirmed that the bearing stand had not been produced correctly. It is therefore assumed that the inspections per TN 301/6 did not produce reliable results.

As a consequence, this new Airworthiness Directive (AD) mandates replacement of the bearing stand with a reinforced version.

### **Actions and Compliance**

(f) Unless already done, do the following actions.

(1) Before further flight after October 19, 2009 (the effective date of this AD), inspect the bearing stand RU19 following paragraph 1 of the Instructions section of DG Flugzeugbau Technical note No. 301/26, Rev. 1, dated August 4, 2009. You may take credit for this paragraph if the bearing stand was inspected before October 19, 2009 (the effective date of this AD) following DG Flugzeugbau Technical note No. 301/26, dated July 16, 2009.

(2) If any discrepancy is found (crack, delamination, etc.), before further flight replace the bearing stand RU19 following paragraph 3 of the Instructions section of DG Flugzeugbau Technical note No. 301/26, Rev. 1, dated August 4, 2009.

(3) Within 3 months after October 19, 2009 (the effective date of this AD) replace the bearing stand RU19 following paragraph 3 of the Instructions section of DG Flugzeugbau Technical note No. 301/26, Rev. 1, dated August 4, 2009. You may take credit for this paragraph if the bearing stand RU19 has been replaced before October 19, 2009 (the effective date of this AD) following DG Flugzeugbau Technical note No. 301/6, dated May 29, 1978, or following paragraph 3 of the Instructions section of DG Flugzeugbau Technical note No. 301/26, dated July 16, 2009.

### **FAA AD Differences**

Note: This AD differs from the MCAI and/or service information as follows:

(1) DG Flugzeugbau GmbH Technical Note No. 301/26, Rev. 1, dated August 4, 2009, states that instruction 1 may be executed by the pilot/owner. By FAA regulations, this AD requires all affected gliders to have the required actions done by an appropriately rated mechanic.

(2) The MCAI states to do the actions following DG Flugzeugbau GmbH Technical Note No. 301/26, dated July 16, 2009. DG Flugzeugbau GmbH updated the technical note after the MCAI was issued. We are requiring you use the updated technical note (DG Flugzeugbau GmbH Technical Note No. 301/26, Rev. 1, dated August 4, 2009) to do the actions of this AD, unless the AD specifies otherwise.

### **Other FAA AD Provisions**

(g) The following provisions also apply to this AD:

(1) Alternative Methods of Compliance (AMOCs): The Manager, Standards Office, FAA, has the authority to approve AMOCs for this AD, if requested using the procedures found in 14 CFR 39.19. Send information to ATTN: Greg Davison, Glider Program Manager, FAA, Small Airplane Directorate, 901 Locust, Room 301, Kansas City, Missouri 64106; telephone: (816) 329-4130; fax: (816) 329-4090. Before using any approved AMOC on any airplane to which the AMOC applies, notify your appropriate principal inspector (PI) in the FAA Flight Standards District Office (FSDO), or lacking a PI, your local FSDO.

(2) Airworthy Product: For any requirement in this AD to obtain corrective actions from a manufacturer or other source, use these actions if they are FAA-approved. Corrective actions are considered FAA-approved if they are approved by the State of Design Authority (or their delegated agent). You are required to assure the product is airworthy before it is returned to service.

(3) Reporting Requirements: For any reporting requirement in this AD, under the provisions of the Paperwork Reduction Act (44 U.S.C. 3501 et seq.), the Office of Management and Budget (OMB) has approved the information collection requirements and has assigned OMB Control Number 2120-0056.

### **Related Information**

(h) Refer to MCAI European Aviation Safety Agency (EASA) Emergency AD No.: 2009-0163-E, dated July 29, 2009, DG Flugzeugbau GmbH Technical Note No. 301/26, dated July 16, 2009; DG Flugzeugbau GmbH Technical Note No. 301/26, Rev. 1, dated August 4, 2009; and DG Flugzeugbau Technical note No. 301/6, dated May 29, 1978, for related information.

## **Material Incorporated by Reference**

(i) You must use DG Flugzeugbau GmbH Technical Note No. 301/26, Rev. 1, dated August 4, 2009, to do the actions required by this AD, unless the AD specifies otherwise.

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

(2) For service information identified in this AD, contact DG Flugzeugbau GmbH, Otto-Lilienthal-Weg 2, 76646 Bruchsal, Federal Republic of Germany; telephone: + 49 (0) 7251 3020140; Fax: +49 (0) 7251 3020149; Internet: <http://www.dg-flugzeugbau.de/index-e.html>; E-Mail: [dirks@dg-flugzeugbau.de](mailto:dirks@dg-flugzeugbau.de).

(3) You may review copies of the service information incorporated by reference for this AD at the FAA, Central Region, Office of the Regional Counsel, 901 Locust, Kansas City, Missouri 64106. For information on the availability of this material at the Central Region, call (816) 329-3768.

(4) You may also review copies of the service information incorporated by reference for this AD 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/code\\_of\\_federal\\_regulations/ibr\\_locations.html](http://www.archives.gov/federal_register/code_of_federal_regulations/ibr_locations.html).