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11/2/2020

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### **CERT WORKS ODA PROJECT COMPLETION NOTICE**

Cert Works Project No: ST25-1367  
Project: Gulfstream G150 Flap Actuator Heater  
Aircraft: Gulfstream Aerospace LP G150

The Cert Works ODA has completed a review of the design and substantiating data, for the above referenced project, and found that it meets the applicable airworthiness requirements. As a result, we have issued the following Supplemental Type Certificate:

### **ST01075DE**

This Supplemental Type Certificate issuance is based on a review and approval, as appropriate, of the following documents:

#### **Drawing List**

E-GS-20-0002, Master Drawing List, Flap/Slat Actuator Supplemental Heater System Gulfstream G150; Revision: C 10/9/2020

#### **Flight Manual Suppl**

E-GS-20-0009, FAA Approved Airplane Flight Manual Supplement to the Gulfstream G150 Airplane Flight Manual; Revision: IR 10/12/2020

#### **ICA**

E-GS-20-0008, Instructions for Continued Airworthiness, Flap/Slat Actuator Supplemental Heater System Gulfstream G150; Revision: IR 10/9/2020

#### **Specification**

E-GS-20-0017, Electrical Loads Analysis, Flap/Slat Actuator Supplemental Heater System Gulfstream G150; Revision: IR 10/1/2020

#### **Substantiation Report**

E-GS-20-0012, System Safety Assessment, Flap/Slat Actuator Supplemental Heater System Gulfstream G150; Revision: IR 10/12/2020

E-GS-20-0003, Systems Substantiation Report, Flap/Slat Actuator Supplemental Heater System Gulfstream G150; Revision: IR 10/12/2020

E-GS-20-0016, Structural Substantiation, Flap/Slat Actuator Supplemental Heater System Gulfstream G150; Revision: B 10/9/2020

**Test Plan**

E-GS-20-0006, Flight Deck Effects Test Plan, Flap/Slat Actuator Supplemental Heater System Gulfstream G150;  
Revision: A 10/9/2020

E-GS-20-0004, Ground Test Plan, Flap/Slat Actuator Supplemental Heater System Gulfstream G150; Revision: A  
10/20/2020

**Test Report**

E-GS-20-0007, Flight Deck Effects Report, Flap/Slat Actuator Supplemental Heater System Gulfstream G150;  
Revision: IR 10/20/2020

E-GS-20-0005, Ground Test Report, Flap/Slat Actuator Supplemental Heater System Gulfstream G150; Revision: IR  
10/19/2020

E-GS-20-0015, Flammability Test Plan and Report, Flap/Slat Actuator Supplemental Heater System Gulfstream  
G150; Revision: A 10/20/2020

In accordance with Title 14 Code of Federal Regulations, 14 CFR 21.3, and as a recipient of this certificate, you are required to report any failure, malfunction, or defect, except as provided in 14 CFR 21.3(d), in any product or part manufactured by you or your contracted suppliers, and which you have determined has resulted or result in any occurrences listed in 14 CFR 21.3(c). The report should be communicated initially by telephone to the Manager of your Aircraft Certification Office within 24 hours after it has been determined a failure has occurred and followed up with a written notice to the Aircraft Certification Office. FAA form 8010-4, Malfunction or Defect Report or other appropriate format is acceptable in transmitting the required details.

You, as the STC holder, are responsible for any design changes necessary to correct unsafe conditions as well as for submitting those design changes to the Aircraft Certification Office for approval. This requirement is contained in 14 CFR 21.99. In addition, you are required to advise the Aircraft Certification Office of any change of address or ownership.

Also, 14 CFR 21.50 requires that maintenance procedures for continued airworthiness, as applicable to this change in type design, be made available to the operator at the time the aircraft is returned to service.

By accepting this certificate, you acknowledge that you have read and understand your responsibilities as an STC holder.

If you plan to manufacture replacement or modification parts for sale in conformance with approved data listed on the Certificate, you are required to comply with 14 CFR Part 21 Subpart K. A Parts Manufacturer Approval may be issued under the provisions of 14 CFR Part 21 Subpart K when you submit a statement certifying you have established a quality system as required by 14 CFR 21.307. The identification requirements for parts produced under a PMA are in 14 CFR 45.15. Your statement may be in letter form, with reference to your STC, and should be addressed to your Manufacturing Inspection District Office.

In support of Continued Operational Safety, Cert Works supports any issues found after the approval related to unsafe conditions or regulatory non-compliances. If such an event has occurred Cert Works requests that you notify us, after appropriate FAA notifications.

Thank you for your business with the Cert Works ODA. If you have any questions or suggestions for improvements please contact us at any time.

Best Regards,

Kreg R. Voorhies  
President  
Cert Works