



U.S. Department
of Transportation
**Federal Aviation
Administration**

Vandalia Mfg. Inspection District Office
3800 Wright Drive
Vandalia, OH 45377
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August 31, 2010

Applied Composites Engineering
705 S. Girls School Rd.
Indianapolis, IN 46231

FEDERAL AVIATION ADMINISTRATION - PARTS MANUFACTURER APPROVAL

In accordance with Title 14, Code of Federal Regulations (14 CFR), part 21, Certification Procedures for Products and Parts, subpart K, the FAA has found that the design data, as submitted by Applied Composites Engineering, (hereinafter referred to as "the Manufacturer") on February 23, 2009, meets the airworthiness requirements of 14 CFR applicable to the product(s) on which the part(s) is to be installed. Additionally, the FAA has determined that the Manufacturer has established the fabrication inspection system (FIS) required by § 21.303(h) at 705 S. Girls School Rd., Indianapolis, IN 46231. Accordingly, Parts Manufacturer Approval (PMA) is hereby granted to the Manufacturer to produce the replacement parts (or modification parts, as applicable) listed in the enclosed supplement(s) in conformity with the FAA-approved design data. Subsequent changes to these design data must be approved in a manner acceptable to the FAA.

The following terms and conditions apply to this approval:

1. The Manufacturer's FIS, methods, procedures, and manufacturing facilities, including suppliers, are subject to FAA surveillance and investigations. Accordingly, the Manufacturer must advise its suppliers that their facilities are also subject to FAA surveillance and investigations.
2. The Manufacturer must notify Vandalia Manufacturing Inspection District Office (MIDO) in writing within ten working days from the date the manufacturing facilities, at which parts are manufactured, are relocated or expanded, to include additional facilities at other locations. This requirement also applies to the Manufacturer's suppliers with major inspection authorization, and those suppliers who furnish parts or related services where a determination of safety and conformance to the approved design cannot or will not be made upon receipt at the approved receiving facility.

3. Upon request, the Manufacturer must make available to FAA any pertinent information concerning their suppliers who furnish parts/services. This includes:

- a. A description of the part or service;
- b. Where and by whom the part or service will undergo inspection;
- c. Any delegation of inspection duties;
- d. Any delegation of materials review authority;
- e. The name and title of the FAA contact at the supplier facility;
- f. The inspection procedures required to be implemented;
- g. Any direct-shipment authority;
- h. Results of the Manufacturer's evaluation, audit, and/or surveillance of their suppliers;
- i. The purchase/work order number (or equivalent); and
- j. Any feedback relative to service difficulties originating at the Manufacturer's suppliers.

4. Parts, appliances, or manufacturing services furnished by any suppliers located in a foreign country may not be used in the production of any part or appliance listed in the enclosed supplement unless:

- a. That part or service can and will be completely inspected for conformity at the Manufacturer's U.S. facility; or
- b. The FAA has determined that the location of the foreign supplier facility places no undue burden on the FAA in administering applicable airworthiness requirements. The Manufacturer must advise the FAA at least ten working days in advance when the use of such foreign suppliers is contemplated. This will allow the FAA time to make this determination.

5. Parts produced under the terms of this approval must be permanently marked with the identification information as required by 14 CFR part 45, Identification and Registration Marking, § 45.15. Use the letters "FAA-PMA," the name, trademark, or symbol of the company, the part number, and the name and model designation of each type-certificated product on which the part is eligible for installation. If the part is too small or impractical to mark, the FAA must approve alternate means of identification. For a part based on an STC, the identification of installation-eligible type-certificated products must refer to the STC on the shipping document.

6. This approval is not transferable and it may be withdrawn for any reason that precludes its issuance or whenever the FAA finds that the FIS is not being maintained. A withdrawal may occur if unsafe or nonconforming parts are accepted under the FIS.

7. The Vandalia MIDO must be notified within ten working days from the date that the address shown in this approval has been changed.

8. The Manufacturer must maintain its FIS in continuous compliance with the requirements of § 21.303(h). The Manufacturer must also ensure that each part conforms to the approved design data and is safe for installation on type-certificated products.


9. The Manufacturer is eligible for the appointment of qualified individuals in its employ to represent the FAA as Designated Manufacturing Inspection Representatives (DMIRs) in accordance with the provisions of part 183. The PMA holder may also be authorized to apply for and obtain an Organization Designation Authorization (ODA). Orders 8100.8 and 8100.15 contain procedures for the administration of DMIRs and ODAs, respectively.

10. The Manufacturer must report in a timely manner, to the Vandalia MIDO, information concerning service difficulties on any part produced under this approval. The Manufacturer also must report any failures, malfunctions, and defects that are required to be reported in accordance with § 21.3.

11. All technical data required by § 21.303(c)(3), for the parts to be produced in accordance with this approval, must be readily available to the FAA at the facility where the parts are being produced.

12. The Manufacturer must notify the Vandalia MIDO immediately in writing of any changes to the FIS that may affect the inspection, conformity, or airworthiness of the parts approved in this letter.

13. The Manufacturer must produce all parts in accordance with **Applied Composites Engineering (ACE) Manual for FAA-PMA Parts 21.303(h), Original Version, dated August 2010**, that has been presented as evidence of compliance with § 21.303(h). Accordingly, any revisions to these data must be submitted to the Vandalia MIDO for approval prior to implementation.


Jane W. Dorsey
Manager, Vandalia Mfg. Inspection
District Office

Enclosure:

Supplement No. 1