



U.S. Department  
of Transportation

**Federal Aviation  
Administration**

Small Airplane Directorate  
Chicago Aircraft Certification Office  
2300 E. Devon Avenue, Room 107  
Des Plaines, IL 60018

March 24, 2014

Mr. Ripley Quinby III  
Ack Emma, LLC  
1 Wallingford Rd.  
Danbury, CT 06810

Dear Mr. Quinby,

This is in reply to your letter of March 4, 2014, submitting your statement certifying that your CYA-100 Angle of Attack (AOA) Measurement and Display System, meets the design and performance requirements of FAA memorandum number AIR-100-14-110-PM01 for a supplemental angle of attack system and is produced under a quality system that satisfies the requirements of the same memorandum. Based on our acceptance of your statement and 14 CFR 21.8(d), we approve your supplemental angle of attack system, CYA-100 Angle of Attack Measurement and Display System, part numbers that are shown in the following table:

Part Number	Description
CYA-100	Angle of Attack Kit

We also accept the statement that your quality system meets the requirements of the memorandum and is FAA approved as stated in 14 CFR 21.9(a)(2) . We authorize production of this supplemental AOA system at your General Technics manufacturing facility, located at 3 Mulberry St., Ridgefield, CT 06877.

All major components of the articles produced under this approval must be permanently and legibly marked with the authorization holder's name, or trademark, or symbol, part number and "14 CFR 21.8(d)". Since you stated that the Vane Probe can not be marked due to possible disruption of airflow, marking the article's container in accordance with 14 CFR 45.15(d) is acceptable. This is similar to the allowance that we have given when marking articles holding a Part Manufacturer's Approval (PMA)(Reference FAA Order 8120.22, Chapter 4., Section 4-3.e.(4)).

You must allow the FAA to inspect your quality system, facilities, technical data, and any manufactured articles and witness any tests, including any inspections or test at a supplier facility, necessary to investigate any service difficulty or possible non-compliance with the FAA memorandum AIR-100-14-110-PM01. Any service difficulties with the AoA system should be reported to the ACO.

You must notify the FAA before making any changes to the location of any of your manufacturing facilities, company name or ownership.

This approval may not be transferred. Any design changes that require the retesting of this AoA must be coordinated with the ACO before introduction into production. Any changes in the quality system must be coordinated with the Boston MIDO.

This approval is effective until surrendered, withdrawn or otherwise terminated by the FAA. If you have any questions, please call Roy Boffo, at (847) 294-7564, fax (847) 294-7834, email [roy.boffo@faa.gov](mailto:roy.boffo@faa.gov).

Sincerely,



Charles L. Smalley  
Manager, Chicago Aircraft Certification Office

cc: Boston MIDO