



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

Engine & Propeller Directorate

Manufacturing Inspection District Office -44  
400 Airport Drive, Bldg. 201, Rm 102  
New Cumberland, PA 17070-3419

Tel: (717) 782 - 4425 Fax: (717) 782 - 2231

March 12, 2012

Mr. Donald D. Lichty  
Thrane & Thrane, Inc.  
509 Viking Drive, Suites K, L and M  
Virginia Beach, Virginia 23452

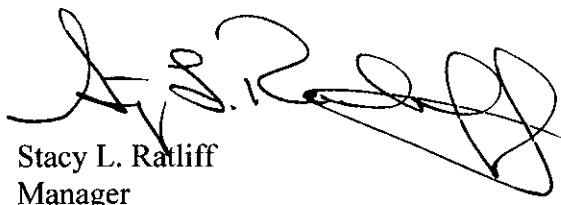
**FEDERAL AVIATION ADMINISTRATION – PARTS MANUFACTURER APPROVAL**

Dear Mr. Lichty:

In accordance with the provisions of Title 14, Code of Federal Regulations (14 CFR) Part 21, Certification Procedures for Products, Articles, and Parts, subpart K, the FAA has found that the design data, based on a licensing agreement submitted by AeroMech Incorporated with your letter dated March 6, 2012 meets the airworthiness requirements of the regulations applicable to the products on which the articles are to be installed. Additionally, the FAA has determined that Thrane & Thrane, Inc. has established the quality system required by § 21.307 at 509 Viking Drive, Suites K, L & M, Virginia Beach, Virginia 23452. Accordingly, Parts Manufacturer Approval (PMA) is hereby granted for production of the replacement parts listed in the enclosed Supplement No. 6. Accordingly, Parts Manufacturer Approval (PMA) is hereby granted for production of the replacement articles listed in the enclosed Supplement No. 6.

You are reminded that the provisions of 14 CFR, Parts 21 and 45, noted in our PMA letter of approval dated March 14, 2005, PMA Supplement No. 1 also apply to the enclosed PMA Listing Supplement No. 6. The enclosed supplement should be retained with the original PMA letter as evidence of approval to produce the parts concerned.

Sincerely,



Stacy L. Ratliff  
Manager

Enclosure:  
Thrane & Thrane PMA Supplement No. 6

cc: Air -140 Supplement only

FEDERAL AVIATION ADMINISTRATION - PARTS MANUFACTURER APPROVAL

Thrane & Thrane, Inc.  
509 Viking Dr. Suite K, L, & M  
Virginia Beach Virginia 23452

PMA No.: PQ2077NE  
Supplement No.: 6  
Date: March 12, 2012

Article Name	Part Number	Approved Replacement for Part Number	Approval Basis and Approved Design Data	Make Eligibility	Model Eligibility
Satellite Data Unit	405035A-THD Rev B.00	Modification Part	Licensing agreement between AeroMech Inc. & Thrane & Thrane, Inc. <u>File No:</u> AMI-12-0011 <u>Date:</u> Mar 1, 2012 STC ST02213SE <u>DWG No:</u> 11-00045SC <u>Rev:</u> - A <u>Date:</u> Dec 2, 2011 or later FAA-approved revisions.	Dassault	Mystere-Falcon 900, Falcon 900EX
Diplexer/Low Noise Amplifier	173628-101 or 405013A Rev A.05	Modification Part	Licensing agreement between AeroMech Inc. & Thrane & Thrane, Inc. <u>File No:</u> AMI-12-0011 <u>Date:</u> Mar 1, 2012 STC ST02213SE <u>DWG No:</u> 11-00051SC <u>Rev:</u> - A <u>Date:</u> Jan 30, 2012 or later FAA-approved revisions.	Dassault	Mystere-Falcon 900, Falcon 900EX
High Power Amplifier	405014A-THD Rev B.00	Modification Part	Licensing agreement between AeroMech Inc. & Thrane & Thrane, Inc. <u>File No:</u> AMI-12-0011 <u>Date:</u> Mar 1, 2012 STC ST02213SE <u>DWG No:</u> 11-00047SC <u>Rev:</u> - A <u>Date:</u> Dec 2, 2011 or later FAA-approved revisions.	Dassault	Mystere-Falcon 900, Falcon 900EX

FEDERAL AVIATION ADMINISTRATION - PARTS MANUFACTURER APPROVAL

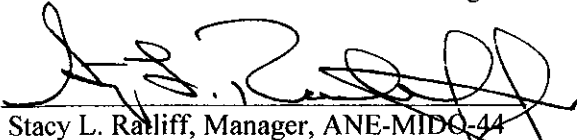
Thrane & Thrane, Inc.  
509 Viking Dr. Suite K, L, & M  
Virginia Beach Virginia 23452

PMA No.: PQ2077NE  
Supplement No.: 6  
Date: March 12, 2012

Article Name	Part Number	Approved Replacement for Part Number	Approval Basis and Approved Design Data	Make Eligibility	Model Eligibility
High Speed Data Unit	405038A-THD Rev B.00	Modification Part	Licensing agreement between AeroMech Inc. & Thrane & Thrane, Inc. <u>File No:</u> AMI-12-0011 <u>Date:</u> Mar 1, 2012 STC ST02213SE <u>DWG No:</u> 11-00046SC <u>Rev:</u> - A <u>Date:</u> Dec 2, 2011 or later FAA-approved revisions.	Dassault	Mystere-Falcon 900, Falcon 900EX
Swift Broadband Unit	405040A-THD Rev B.00	Modification Part	Licensing agreement between AeroMech Inc. & Thrane & Thrane, Inc. <u>File No:</u> AMI-12-0011 <u>Date:</u> Mar 1, 2012 STC ST02213SE <u>DWG No:</u> 11-00050SC <u>Rev:</u> - <u>Date:</u> Dec 8, 2011 or later FAA-approved revisions.	Dassault	Mystere-Falcon 900, Falcon 900EX

-----End of Listing-----

**Note:** The procedures that have been accepted by the type certificate or TSO holder and their cognizant FAA Aircraft Certification Office, for minor changes to the original articles used on the type-certified products, are also acceptable for incorporating the same minor changes on identical PMA replacement articles. The PMA holder must be able to show traceability relating to the TC, STC, or TSO authorization holder on all minor changes incorporated by this procedure. When these procedures are no longer applicable because of completion of the production contract, or the termination of the licensing agreement or business relationship, all subsequent minor changes to the PMA articles must be submitted in a manner as determined by the ACO. Major design changes (reference 14 CFR §§ 21.93 and 21.97) to drawings and specifications are to be handled in the same manner as that for an original PMA.

  
Stacy L. Ratliff, Manager, ANE-MIDG-44  
Manufacturing Inspection District Office  
New Cumberland, Pennsylvania