



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

FILE
COPY

May 28, 2015

Mr. Donald D. Lichty
Quality Manager
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 based on a licensing agreement submitted by L2 Consulting Services Inc., with your letter dated May 27, 2015 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. 9. Accordingly, Parts Manufacturer Approval (PMA) is hereby granted for production of the replacement articles listed in the enclosed Supplement No. 9.

You are reminded that the provisions of 14 CFR, Parts 21 and 45, noted in our PMA letter of approval dated August 15, 2013 PMA Supplement No. 2 Amendment 1 also apply to the enclosed PMA Listing Supplement No. 9. The enclosed supplement should be retained with the original PMA letter as evidence of approval to produce the parts concerned.

Sincerely,

Original Signed by
Stacy L. Ratliff

Stacy L. Ratliff
Stacy L. Ratliff
Manager

Original Signed By
Henry K. Cooper

Enclosure:
Thrane and Thrane PMA Supplement No. 9

CONCURRENCES
ROUTING SYMBOL ANE-MIDO-44
INITIALS/SIG T. Dengler
DATE 5/29/15
ROUTING SYMBOL ANE-MIDO-44
INITIALS/SIG J. Handzel
DATE 5/29/15
ROUTING SYMBOL ANE-MIDO-44
INITIALS/SIG S. Ratliff
DATE ON TUL
ROUTING SYMBOL ANE-MIDO-44
INITIALS/SIG H. Cooper
DATE 5/29/2015
INITIALS/SIG
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INITIALS/SIG
DATE

cc: Air -140 Supplement only

ANE-MIDO-44: JHanzel;jjh:717-782-4425 x 230:5.28.15.Thrane PMA Supl. 9

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.: 9
 Date: May 29, 2015

Article Name	Part Number	Approved Replacement for Part Number	Approval Basis & Approved Design Data	Make Eligibility	Model Eligibility
Swiftbroad Band Unit (SBU)	405040A-THD Rev C.00	Modification Part	Identicality per 14 CFR § 21.303, Licensing Agreement between L2 Consulting Services, Inc. & Thrane & Thrane, Inc. Letter Dated: 5/22/15 <u>DWG: 2325-B93-LOM</u> <u>Rev: IR</u> <u>Dated: 1/28/15</u> or later FAA-approved revisions	Boeing	767-200 Series 767-300 Series 767-300F Series
Configuration Module (CM)	405040A-001 Rev D.03	Modification Part	Identicality per 14 CFR § 21.303, Licensing Agreement between L2 Consulting Services, Inc. & Thrane & Thrane, Inc. Letter Dated: 5/22/15 <u>DWG: 2325-B93-LOM</u> <u>Rev: IR</u> <u>Dated: 1/28/15</u> or later FAA-approved revisions	Boeing	767-200 Series 767-300 Series 767-300F Series
High Power Amp/Low Noise Diplexer (HLD)	405016A-THD Rev C.00	Modification Part	Identicality per 14 CFR § 21.303, Licensing Agreement between L2 Consulting Services, Inc. & Thrane & Thrane, Inc. Letter Dated: 5/22/15 <u>DWG: 2325-B93-LOM</u> <u>Rev: IR</u> <u>Dated: 1/28/15</u> or later FAA-approved revisions	Boeing	767-200 Series 767-300 Series 767-300F Series

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.: 9
Date: May 29, 2015

Article Name	Part Number	Approved Replacement for Part Number	Approval Basis & Approved Design Data	Make Eligibility	Model Eligibility
Iridium Band Reject Filter (IRF)	405019A Rev B.00	Modification Part	Identicality per 14 CFR § 21.303, Licensing Agreement between L2 Consulting Services, Inc. & Thrane & Thrane, Inc. Letter Dated: 5/22/15 DWG: 2325-B93-LOM Rev: IR Dated: 1/28/15 or later FAA-approved revisions	Boeing	767-200 Series 767-300 Series 767-300F Series

-----END OF LISTING-----

Note: The procedures that have been accepted by the type certificate or TSO authorization holder and its cognizant FAA Aircraft Certification Office, for minor changes to original articles used on type-certificated 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 termination of the licensing agreement or business relationship, all subsequent minor design changes to the PMA articles must be submitted in a manner as determined by the ACO. Major design changes (reference 14 CFR §§ 21.319 and 21.619) to drawings and specifications are to be handled in the same manner as that for an original PMA.

~~Original Signed By
Stacy L. Ratliff~~

Original Signed By
Henry K. Cooper



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

May 27 2015

Thrane & Thrane, Inc.
509 Viking Drive Suite K, L, & M
Virginia Beach, Virginia 23452
(757-747-2346)

Manufacturing Inspection District Office
Capitol City Airport, BLDG 201
400 Airport Drive, Room 102
New Cumberland, PA 17070-3419

Attention: Stacy L. Ratliff, Manager, ANE-MIDO-44

Subject: Request for New FAA-PMA Approval

Ms. Ratliff:

Thrane & Thrane, Inc. is submitting an application for Parts Manufacturer Approval for our Part Numbers (P/N) 405040A-THD, 405040A-001, 405019A and 405016A-THD. We request your review of the enclosed data being submitted in support of this application. These parts are for a Swift Broad Band Satellite Communication System installed in a (Boeing 767-200,-300, 300F Series). Approval is requested based on **STC # ST11187SC and Licensing Agreement with L2 Consulting Services Inc, assist letter, dated May 22 2015** under 14 CFR part 21 § 21.303(a)(4).

The part will be manufactured at Thrane & Thrane, Inc. 509 Viking Drive Suite K, L, & M, Virginia Beach, Virginia 23452. Thrane & Thrane, Inc. hereby certifies that a quality system which is in accordance with 14 CFR part 21 § 21.307 has been established and the above part is manufactured in accordance with this system.

Your efforts in support of this request are most appreciated.

Best regards,

Donald D. Lichty
Quality Manager,
Thrane & Thrane, Inc.

Enclosures:

1 copy STC and PMA Assist Letter
1 copy unnumbered PMA Supplement