

UNITED STATES OF AMERICA
DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

Air Agency Certificate

Number TU5R236N

This certificate is issued to

ETHOSENERGY ACCESSORIES AND COMPONENTS, LLC

whose business address is

**66 PROSPECT HILL ROAD
EAST WINDSOR, CT 06088**

*upon finding that its organization complies in all respects
with the requirements of the Federal Aviation Regulations
relating to the establishment of an Air Agency, and is
empowered to operate an approved* **REPAIR STATION**

with the following ratings:

**LIMITED - ENGINES (08/03/1992)
LIMITED - NONDESTRUCTIVE INSPECTION (08/03/1992)
LIMITED - SPECIALIZED SERVICE
LIMITED ACCESSORIES (02/24/2000)**

*This certificate, unless canceled, suspended, or revoked,
shall continue in effect* **INDEFINITELY**

Date issued:

**OCTOBER 9, 1990
REISSUED: July 7, 2014**

By direction of the Administrator



**BETH A. BABB, MANAGER
EA-FSDO-63, WINDSOR LOCKS, CT**

**This Certificate is not Transferable, AND ANY MAJOR CHANGE IN THE BASIC FACILITIES, OR IN THE LOCATION THEREOF,
SHALL BE IMMEDIATELY REPORTED TO THE APPROPRIATE REGIONAL OFFICE OF THE FEDERAL AVIATION ADMINISTRATION**

Any alteration of this certificate is punishable by a fine of not exceeding \$1,000, or imprisonment not exceeding 3 years, or both

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A001 . Issuance and Applicability

HQ Control: 02/11/2016

HQ Revision: 060

a. These operations specifications are issued to EthosEnergy Accessories and Components, LLC, a Repair Station located in the United States, pursuant to 14 CFR Part 145, § 145.53. The repair station certificate holder shall conduct operations in accordance with 14 CFR Part 145 and these operations specifications.

The certificate holder's address:

Fixed Location:
66 Prospect Hill Road
East Windsor, Connecticut 06088

b. The holder of these operations specifications is the holder of certificate number TU5R236N and shall hereafter be referred to as the "certificate holder".

c. These operations specifications are issued as part of this repair station certificate and are in effect as of the date approval is effective. This certificate and these operations specifications shall remain in effect until the certificate for a repair station that is located in the United States is surrendered, suspended, or revoked.

d. The repair station specified on these operations specifications and located within the United States performs maintenance and/or an alteration of aircraft and/or aeronautical products to be installed on aircraft under the terms and conditions of the U.S./EU Safety Agreement, Annex 2, Maintenance, between the FAA and the EU.

e. The certificate holder is authorized to use only the business name which appears on the certificate to conduct the operations described in subparagraph a.

Delegated authorities: None

1. Issued by the Federal Aviation Administration.
2. These Operations Specifications are approved by direction of the Administrator.



Digitally signed by William K Dekine, Principal Maintenance Inspector (EA63)
[1] SUPPORT INFO: System update to paragraphs
[2] EFFECTIVE DATE: 2/23/2016, [3] AMENDMENT #: 14
DATE: 2016.02.23 12:08:55 -06:00

3. I hereby accept and receive the Operations Specifications in this paragraph.



REID, BRYAN, QUALITY MANAGER

09 MARCH 2016

Date

A002 . Definitions and Abbreviations

HQ Control: 12/14/2017

HQ Revision: 05d

Unless otherwise defined in these operations specifications, all words, phrases, definitions, and abbreviations have identical meanings to those used in 14 CFR and 49 U.S.C., as cited in Public Law 103-272, as amended. Additionally, the definitions listed below are applicable to operations conducted in accordance with these operations specifications.

BASA	The Bilateral Aviation Safety Agreement (BASA) is an executive agreement concluded between the United States and a foreign country for the purpose of promoting aviation safety; also known as an Agreement for the Promotion of Aviation Safety.
Certificate Holder	In these operations specifications, the term "certificate holder" means the holder of the repair station certificate described in these operations specifications in Part A paragraph A001 and any of its officers, employees, or agents used in the conduct of operations under this certificate.
CAAS	Civil Aviation Authority of Singapore
CFR	Code of Federal Regulations
Class Rating	As used with respect to the certification, ratings, privileges of airframes, powerplants, propellers, radios, instruments, and accessories within a category having similar operating characteristics.
EASA	European Aviation Safety Agency
EASA Accountable Manager	The manager who has corporate authority for ensuring that all maintenance required by the customer can be financed and carried out to the standard required by the EASA full-member Authority.
EU	European Union
Exemption	An authorization that permits an alternate means of compliance with a specific CFR. The exemption must meet the procedural requirements of 14 CFR Part 11.
FOCA	Federal Office of Civil Aviation
FAA Accountable Manager	A person designated by the certificated repair station who is responsible for and has authority over all repair station operations that are conducted under 14 CFR Part 145, including ensuring that the repair station's personnel follow the regulations and serving as the primary contact with the FAA.

Geographic Authorization	Authorization provided to a repair station located outside the United States to perform maintenance support under contract for a U.S. air carrier (or an operator of U.S.- registered aircraft under 14 CFR Part 129) at a location other than the repair station's main facility. A geographic authorization is issued by the FAA to respond to a U.S. air carrier's or Part 129 foreign operator's need for maintenance at a station where the frequency and scope of that maintenance does not warrant permanently staffing and equipping the station for its accomplishment.
Limited Rating	A rating issued to repair stations for the performance of maintenance on particular makes and models of airframes, powerplants, propellers, radios, instruments, accessories, and/or parts.
Limited Ratings - Specialized Services	Rating issued for a special maintenance function when the function is performed in accordance with a specification approved by the Administrator.
Line Maintenance	Any unscheduled maintenance resulting from unforeseen events, or scheduled checks where certain servicing and/or inspections do not require specialized training, equipment, or facilities.
MAG	The Maintenance Annex Guidance (MAG) defines the process that the FAA and EASA undertake in the inspection, findings of compliance certification, and monitoring of repair stations, as well as their joint cooperation in quality assurance and standardization activities in support of the EASA Agreement, Annex 2, Maintenance. The term Maintenance Agreement Guidance (MAG) defines the processes and activities applicable to a specific country under an MIP, and is not associated with the EASA Agreement.
Maintenance	The inspection, overhaul, repair, preservation, and replacement of parts, but excludes preventive maintenance.
U.S./EU Aviation Safety Agreement, Annex 2, Maintenance	Annex 2 covers the reciprocal acceptance of findings of compliance, approvals, documentation and technical assistance regarding approvals and the monitoring of repair stations/maintenance organizations.
MIP	Maintenance Implementation Procedures (MIP) are procedures for implementing the provisions of a BASA that apply to maintenance performed under 14 CFR Part 145, Section 145.53(b).
MOE	A maintenance organization exposition (MOE) pertains to procedural manuals used by maintenance organizations certificated by a foreign country. The MOE along with the FAA Supplement, sets forth the structure and procedures of the repair station to meet the requirements of 14 CFR Part 145 under a MIP.

**Preventive
Maintenance**

As defined in 14 CFR part 1 and part 43 appendix A,
subparagraph (c).

QCM

Quality Control Manual

**Repair Station located
in the United States**

A FAA certificated repair station located in the United States.

**Repair Station located
outside the United
States**

A FAA certificated repair station located outside of the United States.

RSM

Repair Station Manual

1. Issued by the Federal Aviation Administration.
2. These Operations Specifications are approved by direction of the Administrator.



Digitally signed by William K Dekine, Principal Maintenance Inspector (EA63)
[1] SUPPORT INFO: System change
[2] EFFECTIVE DATE: 2/9/2018, [3] AMENDMENT #: 12
DATE: 2018.02.09 12:50:48 -06:00

3. I hereby accept and receive the Operations Specifications in this paragraph.

A handwritten signature in black ink, appearing to read "Bryan Reid".

REID, BRYAN, QUALITY MANAGER

16 FEB 2018

Date

A003 . Ratings and Limitations

HQ Control: 04/03/2017

HQ Revision: 01a

The certificate holder is authorized the following Ratings and/or Limitations:

Class Ratings

None Authorized

Limited Ratings

<u>Rating</u>	<u>Manufacturer</u>	<u>Make/Model</u>	<u>Limitations</u>
Accessories	Honeywell	GTCP 331 Series	Maintenance and Alterations of Auxiliary Power Unit Fuel Nozzle and Manifold Assembly
Engines	Pratt & Whitney	JT-8D-200 Series	Maintenance and Alteration of Fuel Nozzle, Fuel Nozzle Support & Fuel Nozzle Nut
		PW2000 Series and PW4000 Series	Maintenance and alteration of Fuel Manifolds, Manifold Adapters, Fuel Nozzles, and Fuel Nozzle Supports.
	International Aero Engines (IAE)	V2500A Series and V2500D Series	Maintenance and alteration of Fuel Manifolds, Manifold Adapters, Fuel Nozzles, and Fuel Nozzle Supports.
	Honeywell	TPE 331 Series	Maintenance and Alterations of Fuel Manifolds, Manifold Adapters, Fuel Nozzles, Fuel Nozzle Supports.
		ALF502 Series	Maintenance and Alteration of overspeed pickup ring/Aft Seal Plate & Stubshaft/Forward Seal Face Plate
		LF507-1F	Maintenance and Alteration of overspeed pickup ring/Aft Seal Plate & Stubshaft/Forward Seal Face Plate

<u>Rating</u>	<u>Manufacturer</u>	<u>Make/Model</u>	<u>Limitations</u>
	Hamilton Sundstrand	T-62T-40C11	Maintenance and Alteration of APU fuel Nozzles
	Rolls Royce Limited	Tay 611 Series	Maintenance and Alterations of , Airflow Control Actuator and Regulator
		Spey 511 Series	Maintenance and Alterations of Airflow Control Actuator and Regulator.
		Spey 555 Series	Maintenance and Alterations of Airflow Control Actuator and Regulator
		Tay 620 Series	Maintenance and Alterations of Airflow Control Actuator and Regulator
		Tay 650 Series	Maintenance and Alterations of Airflow Control Actuator and Regulator
		Tay 651 Series	Maintenance and Alterations of Airflow Control Actuator and Regulator.
	General Electric Co.	CF34-8 Series	Maintenance and Alterations of Fuel Injectors
		CF6-50 Series	Clean, Test and Inspection of Fuel Nozzles.
		CF6-80 Series	Clean, Test and Inspection of Fuel Nozzles.
		CFM56 Series	Maintenance and Alterations of Fuel Injectors.
Nondestructive Inspection, Testing, and Processing	All	All	Fluorescent Penetrant Inspection (FPI).
	All	All	Computed X-Ray Inspection (X-Ray)

Limited Ratings - Specialized Services

<u>Rating</u>	<u>Specifications</u>	<u>Limitations</u>
Cleaning	Turbine Engine Services (TES) Process 927	Repair limitations as contained in the referenced Civil or Military Specification.
Weld Repair of V2500 Fuel Nozzle and Support Assembly Air Swirler Cracks	Process No. TDA 98-0195	Repair limitations as contained in the referenced Civil or Military Specification.

<u>Rating</u>	<u>Specifications</u>	<u>Limitations</u>
Sleeve Repair for the Bearing Replacement and Seal Land Restoration Repair for the TPE331 Fuel Valve Assembly	Process No. TDA 99-0237	Repair limitations as contained in the referenced Civil or Military Specification.
PW 2000	Process No. TDA 00-0300	Repair limitations as contained in the referenced Civil or Military Specification.
PW 2000	Process No. TDA 05-0355	Repair limitations as contained in the referenced Civil or Military Specification.
PW 2000	Process No. TDA 99-0281	Repair limitations as contained in the referenced Civil or Military Specification.
PW 2000	Process No. TDA 10-0500	Repair limitations as contained in the referenced Civil or Military Specification.
V2500	Process No. TDA 13-0505	Repair limitations as contained in the referenced Civil or Military Specification.
General Electric Co. CF34-8 Series	Process No. TDA 15-0604	Repair limitations as contained in the referenced Civil or Military Specification.

1. The Certificate Holder applies for the Operations in this paragraph.
2. These Operations Specifications are approved by direction of the Administrator.



Digitally signed by Ganesh Persaud, Principal Maintenance Inspector (EA63)
[1] SUPPORT INFO: CH's letter of request to for the Added Rating of Maintenance
and Alteration of the CFM56 Series engine Fuel Injector dated 06 FEB 2019.
[2] EFFECTIVE DATE: 2/11/2019, [3] AMENDMENT #: 37
DATE: 2019.02.11 10:19:51 -06:00

3. I hereby accept and receive the Operations Specifications in this paragraph.

A handwritten signature in blue ink, appearing to read "Bryan Reid", written over a horizontal line.

REID, BRYAN, QUALITY MANAGER

14 FEB 2019

Date

A004 . Summary of Special Authorizations and Limitations

HQ Control: 09/23/1998

HQ Revision: 010

a. The certificate holder, in accordance with the reference paragraphs, is authorized to:

	Reference Paragraphs
Use an approved electronic recordkeeping system, electronic/digital signature, and/or electronic media.	A025
Conduct operations choosing to have an antidrug and alcohol misuse prevention program.	A449

b. The certificate holder is *not authorized and shall not:*

	Reference Paragraphs
Use Exemptions.	A005
Perform maintenance with EASA ratings where the scope of work is authorized by a BASA/MAG (U.S.-EU), MIP/MaG (U.S.-Swiss).	A060
Perform work, including continuous operations, at additional locations other than at its primary fixed location.	A101
Perform maintenance in accordance with foreign repair station geographic authorizations.	B050
Perform work, excluding continuous operations, at additional locations other than at its primary Fixed Location.	D100
Perform line maintenance for cert. holders conducting operations under Parts 121 and 135 and for foreign carriers/persons operating U.S. registered aircraft in common carriage under Part 129, apart from D100 which authorizes that work away from station.	D107

1. Issued by the Federal Aviation Administration.
2. These Operations Specifications are approved by direction of the Administrator.



Digitally signed by William K Dekine, Principal Maintenance Inspector (EA63)
[1] SUPPORT INFO: System update to paragraphs
[2] EFFECTIVE DATE: 2/23/2016, [3] AMENDMENT #: 8
DATE: 2016.02.23 09:36:59 -06:00

3. I hereby accept and receive the Operations Specifications in this paragraph.

A handwritten signature in blue ink, appearing to read "Bryan Reid", written over a horizontal line.

REID, BRYAN, QUALITY MANAGER

09 MARCH 2016

Date

A007 . Designated Persons

HQ Control: 12/19/2006

HQ Revision: 030

a. The personnel listed in the following table are designated to officially apply for and receive operations specifications for the certificate holder indicated below.

Table 1 – Designated Persons to Apply for and Receive Authorizations

Title	Name	Parts Authorized
QUALITY MANAGER	REID, BRYAN	A
FAA Accountable Manager, 145 / PRESIDENT	Watson, Tom	A

b. The following personnel listed in Table 2 are designated by the certificate holder to receive Information for Operators (INFO) messages for the certificate holder as indicated below. A receipt for the information by an operator or person is not required.

Table 2 – Designated to Receive INFO Messages

Name	Email Address	Telephone No.	Type of Information to Receive
Bryan Reid	bryan.reid@ethosenergygroup.com	860-386-7715	ALL

1. Issued by the Federal Aviation Administration.
2. These Operations Specifications are approved by direction of the Administrator.



Digitally signed by William K Dekine, Principal Maintenance Inspector (EA63)
[1] SUPPORT INFO: Email dated 2/1/2016 to correct name spelling
[2] EFFECTIVE DATE: 2/1/2016, [3] AMENDMENT #: 24
DATE: 2016.02.01 10:10:38 -06:00

3. I hereby accept and receive the Operations Specifications in this paragraph.

REID, BRYAN, QUALITY MANAGER

08 FEB 2016

Date

**A025 . Electronic/Digital Recordkeeping System,
Electronic/Digital Signature, and Electronic Media**

HQ Control: 04/03/2017

HQ Revision: 00b

a. The certificate holder is authorized to use an acceptable electronic/digital recordkeeping system, described and/or referenced in this paragraph (if none, enter N/A.)

N/A

b. The certificate holder is authorized the use of the following electronic/digital signature procedures (if none, enter "N/A").

N/A

c. The certificate holder is authorized to use electronic media for the repair station and quality control manuals, if acceptable (if none, enter "N/A").

As outlined in Document Control Procedures WI 2.1.1

1. The Certificate Holder applies for the Operations in this paragraph.
2. These Operations Specifications are approved by direction of the Administrator.



Digitally signed by William K Dekine, Principal Maintenance Inspector (EA63)
[1] SUPPORT INFO: 8130-2 DATED 8/30/2017
[2] EFFECTIVE DATE: 9/11/2017, [3] AMENDMENT #: 7
DATE: 2017.09.11 14:10:03 -05:00

3. I hereby accept and receive the Operations Specifications in this paragraph.

A handwritten signature in black ink, appearing to read "Bryan Reid", written over a horizontal line.

REID, BRYAN, QUALITY MANAGER

18SEP2017

Date

A449 . Antidrug and Alcohol Misuse Prevention Program

HQ Control: 07/17/2009

HQ Revision: 00a

- a. The Part 145 repair station certificate holder has elected to implement an Antidrug and Alcohol Misuse Prevention Program, because the certificate holder performs safety-sensitive functions for a 14 CFR Part 121, and 135 certificate holder and/or for a 14 CFR Part 91 operator conducting operations under Section 91.147.
- b. The certificate holder certifies that it will comply with the requirements of 14 CFR Part 120 and 49 CFR Part 40 for its Antidrug and Alcohol Misuse Prevention Program.
- c. Antidrug and Alcohol Misuse Prevention Program records are maintained and available for inspection by the FAA's Drug Abatement Compliance and Enforcement Inspectors at the location listed in Table 1 below:

Table 1

Location & Telephone of Antidrug and Alcohol Misuse Prevention Program Records:	
Telephone Number:	A1 (860) 292-3115
Address:	66 Prospect Hill Road
Address:	
City:	East Windsor
State:	CT
Zip code:	06088

d. Limitations and Provisions.

- (1) Antidrug and Alcohol Misuse Prevention Program inspections and enforcement activity will be conducted by the Drug Abatement Division. Questions regarding these programs should be directed to the Drug Abatement Division.
- (2) The certificate holder is responsible for updating this operations specification when any of the following changes occur:
 - (a) Location or phone number where the Antidrug and Alcohol Misuse Prevention Program Records are kept.
 - (b) If the certificate holder's number of safety-sensitive employees goes to 50 and above, or falls below 50 safety-sensitive employees.
- (3) The certificate holder with 50 or more employees performing a safety-sensitive function on January 1 of the calendar year must submit an annual report to the Drug Abatement Division of the FAA.
- (4) The certificate holder with fewer than 50 employees performing a safety-sensitive function on January 1 of any calendar year must submit an annual report upon request of the Administrator, as specified in the regulations.

The certificate holder has 50 or more safety-sensitive employees.

1. Issued by the Federal Aviation Administration.
2. These Operations Specifications are approved by direction of the Administrator.



Digitally signed by Henry H Trammel, Principal Maintenance Inspector (EA63)
[1] SUPPORT INFO: Letter dated 5/13/14
[2] EFFECTIVE DATE: 7/7/2014, [3] AMENDMENT #: 6
DATE: 2014.07.07 13:03:21 -05:00

3. I hereby accept and receive the Operations Specifications in this paragraph.

A handwritten signature in black ink, appearing to read "M. Howarth".

9 JUL 2014

Howarth, Michael, Service Excellence Leader

Date