

UNITED STATES OF AMERICA
DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

Air Agency Certificate

Number RO3R822L

This certificate is issued to

MIDCOAST AVIATION, INC.

whose business address is

6400 CURTISS-STEINBERG DRIVE
CAHOKIA, IL 62206

*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:

AIRFRAME
LIMITED AIRFRAME
LIMITED POWERPLANT (12/6/1977)
ACCESSORY (7/7/1980)/LIMITED ACCESSORY
RADIO (7/7/1980)
LIMITED INSTRUMENT (7/7/1980)
LIMITED SPECIALIZED SERVICE (4/9/1962)

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

Date issued:

JUNE 19, 1959

AMENDED: MAY 23, 2006

By direction of the Administrator


TIMOTHY J. HARRISTHAL

ACTING MANAGER, ST. LOUIS FSDO

**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: 11/16/04
HQ Revision: 050

- a. These operations specifications are issued to Midcoast Aviation, Inc., a The repair station certificate holder shall conduct operations in accordance with CFR Part 145 and these operations specifications.

The certificate holder's address:

Fixed Location:
6400 Curtiss-Steinberg Drive
Cahokia, IL 62206

Mailing Address:
6400 Curtiss-Steinberg Drive
Cahokia, IL 62206

- b. The holder of these operations specifications is the holder of Certificate Number RO3R822L 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 operations specifications shall remain in effect until the domestic repair station certificate is surrendered, suspended, or revoked.
- d. The repair station specified on these operations specifications performs maintenance and/or alteration of aircraft and/or aeronautical products to be installed on aircraft under the terms and conditions of a Bilateral Aviation Safety Agreement and associated Maintenance Implementation Procedures between the Federal Aviation Administration and a Foreign National Aviation Authority identified in Advisory Circular 145-8, as revised.

Delegated authorities: None

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

DIGITALLY FAA SIGNED 6/4/2008 9:23:07 AM

Buff, Sydney
Principal Maintenance Inspector

4. Date Approval is effective: 06/04/2008 Amendment Number: 7
5. I hereby accept and receive the Operations Specifications in this paragraph.

DIGITALLY INDUSTRY SIGNED 6/4/2008 8:34:04 AM

Gary Schandl,
FAA Accountable Manager, 145

Date: 06/04/2008

A002. Definitions and Abbreviations

HQ Control: 11/16/04
HQ Revision: 050

Unless otherwise defined in these operations specifications, all words, phrases, definitions, and abbreviations have identical meanings to those used in the Title 14 Code of Federal Regulations (CFR) Regulations and Title 49 United States Code 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.

**Bilateral Aviation
Safety Agreement
(BASA)**

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" shall mean 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.

CFR

Code of Federal Regulations

Class rating

As used with respect to the certification, ratings, privileges, and limitation of aircraft within a category having similar operating characteristics.

**Domestic Repair
Station**

A certificated repair station located in the United States.

Exemption

An authorization that permits an alternate means of compliance with a specific CFR. The exemption must meet the procedural requirements of CFR 14, Part 11.

**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.

FAA Form 8000-4-1

The FAA Form 8000-4-1 has been replaced with the form contained within this operations specifications application (OPSS) for the generation of the 14 CFR Part 145 Repair Station Operations Specifications.

Foreign Repair Station

A certificated repair station located outside of the United States.

**Geographic
Authorization**

An approval provided to a foreign repair station to perform maintenance support under contract for a U.S. air carrier, or operator of U.S. - registered aircraft under 14 CFR Part 129, at a location other than the repair station facility. A geographic authorization is issued by the FAA to respond to the need of a U.S. air carrier or Part 129 foreign operator 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.

EASA

European Aviation Safety Agency

<u>EASA Accountable Manager</u>	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.
<u>Limited Rating</u>	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.
<u>Limited Ratings - Specialized Services</u>	Rating issued for a special maintenance function when the function is performed in accordance with a specification or data acceptable to the Administrator.
<u>Line Maintenance</u>	Any unscheduled maintenance resulting from unforeseen events; or scheduled checks where certain servicing and/or inspections do not require specialized training, equipment, or facilities.
<u>Maintenance</u>	The inspection, overhaul, repair, preservation, and the replacement of parts, but excludes preventive maintenance.
<u>Maintenance Implementation Procedures (MIP)</u>	Procedures for implementing the provisions of a BASA that apply to maintenance.
<u>MOE</u>	Maintenance Organization Exposition - Pertains to European Aviation Safety Agency member countries that use an MOE in place of a Repair Station Manual and a Quality Control Manual.
<u>Preventive Maintenance</u>	As defined in Appendix A subparagraph (c) of 14 CFR Part 43.
<u>QCM</u>	Quality Control Manual
<u>RSM</u>	Repair Station Manual
<u>Substantial Maintenance</u>	Any activity involving a C-check (routine airframe maintenance) or greater maintenance; any engine maintenance requiring case separation or teardown; and/or major alterations or major repairs performed on airframes, engines, or propellers.

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

DIGITALLY FAA SIGNED 3/3/2005 8:55:29 AM

Buff, Sydney
Principal Maintenance Inspector

4. Date Approval is effective: 03/03/2005 Amendment Number: 3
5. I hereby accept and receive the Operations Specifications in this paragraph.

DIGITALLY INDUSTRY SIGNED 3/2/2005 2:06:15 PM

Gary Schandl,
FAA Accountable Manager, 145

Date: 03/02/2005

A003. Ratings and Limitations

HQ Control: 01/30/04
HQ Revision: 010

The Certificate Holder is authorized the following Ratings and/or Limitations:

Class Ratings

Accessory Class 1: Mechanical Accessories
Airframe Class 3: All-Metal Construction of Small Aircraft
Airframe Class 4: All-Metal Construction of Large Aircraft
Radio Class 1: Communications Equipment
Radio Class 2: Navigational Equipment
Radio Class 3: Radar Equipment

Limited Ratings

<u>Rating</u>	<u>Manufacturer</u>	<u>Make / Model</u>	<u>Limitations</u>
Accessories	Garrett Auxiliary Power Units	GTCP-30-92 Series	I/A/W Maintenance Manual Excluding Hot Section Inspection
		GTCP-36-6 Series	I/A/W Maintenance Manual Excluding Hot Section Inspection
		GTCP-36-100 Series	I/A/W Maintenance Manual Excluding Hot Section Inspection
		GTCP-36-150 Series	I/A/W Maintenance Manual Excluding Hot Section Inspection
	Sundstrand Auxiliary Power Units	T-62T-25 Series	I/A/W Maintenance Manual Excluding Hot Section Inspection
		T-62T-39 Series	I/A/W Maintenance Manual Excluding Hot Section Inspection
		T-62T-40 Series	I/A/W Maintenance Manual Excluding Hot Section Inspection
	Marathon	Nickel Cadmium Batteries	I/A/W Marathon Battery Instruction Manual
	Saft	Nickel Cadmium Batteries	I/A/W Saft Operating & Maintenance Manual
	General Electric	Nickel Cadmium Batteries	I/A/W GE Manual GET-3593B
	Acme-Utah	AMPS-500, Modular Power Supply	I/A/W URDC Component Maint Manual, 34-20-01
	Utah R & D	AMPS-200A, Backup Power Supply	I/A/W URDC Operations & Maint Manual, 196UM101
	Jet Electronic & Tech., Inc	Models PS-800, PS-823 & PS- 835, Emergency Power Supplies	I/A/W J.E.T. Manuals, TP-204, TP- 202, TP-329, as applicable

Airframe

Limited Ratings

<u>Rating</u>	<u>Manufacturer</u>	<u>Make / Model</u>	<u>Limitations</u>
	Grumman	Thrust Reverser	5000 Hour Inspection per FAA Approved Midcoast Aviation, Inc., Report No. MCTRINSP-001, dated 4/18/89.
Instruments	All Manufacturers	All Makes & Models	Altimeter system tests I/A/W 14 CFR Part 43, Appendix E
	All Manufacturers	All Makes & Models	Installation & Adjustment of Blind Encoders
Instruments - Electronic	Collins	332C-10, BDI-36, RMI-36 RMIs	None
		331-A9 Series HSI's	None
		329-BB Series FDI's	None
		562A-SF, 562A-5G, 562A-5M	None
		562C-4, 562C-5	None
		614E Series Mode Selectors & Controllers	None
		344 Series Instrument Amplifiers	None
		54W-1 Comparator Warning Monitor	None
		161A-1 Trim Coupler	None
	Fluid & Air Temperature Probes	All Makes & Models	I/A/W Manufacturers' Maintenance Instructions
PowerPlant	All Manufacturers	All Makes & Models Reciprocating Engines	Excluding Overhaul
	General Electric	CF34 Series	I/A/W Maintenance, Service and Shop Manual Excluding Overhaul
	General Electric	CJ-610 & CF-700	I/A/W Maintenance Manual & HSI
	Pratt & Whitney Pratt & Whitney	PT6 & JT12 Series PW305 Series	I/A/W Maintenance Manual I/A/W Maintenance Manual Excluding HSI & Overhaul
	Pratt & Whitney	JT15D Series	I/A/W Maintenance Manual Excluding HSI
	Pratt & Whitney	PW 307	I/A/W Light Maintenance Manual Excluding HSI & Overhaul
	Pratt & Whitney	PW 308	I/A/W Light Maintenance Manual Excluding HSI & Overhaul
	Honeywell (Garrett)	TFE-731 Series	I/A/W Light Maintenance Manual Excluding MPI & CZI
	Honeywell (Garrett)	ATF-3 Series	I/A/W Light Maintenance Manual Excluding MPI & CZI
	Honeywell (Airesearch)	TPE-331 Series	I/A/W Light Maintenance Manual Excluding MPI & CZI
	Honeywell (Avco Lycoming)	ALF-502 Series	I/A/W Light Maintenance Manual Excluding MPI & CZI
	Honeywell	AS907/HTF 7000	I/A/W Light Maintenance Manual Excluding HSI

Limited Ratings

<u>Rating</u>	<u>Manufacturer</u>	<u>Make / Model</u>	<u>Limitations</u>
	Rolls-Royce	Spey 163, 414, 506 & 511-8	I/A/W Maintenance Manual Excluding Mid-Life Overhaul
	Rolls-Royce	Tay 610 & 611 Series	I/A/W Maintenance Manual Excluding Mid-Life Overhaul
	Rolls-Royce	Dart 529 & 532 Series	I/A/W Maintenance Manual Excluding Mid-Life Overhaul
	Rolls-Royce	Viper 522 & 601 Series	I/A/W Maintenance Manual Excluding Mid-Life Overhaul
	BMW Rolls-Royce Aero	BR700-710A2-20	I/A/W Maintenance Manual Excluding Mid-Life Overhaul
	Rolls-Royce	AE 3007	I/A/W Maintenance Manual Excluding Mid-Life Overhaul
	CFE, Co.	CFE-738	I/A/W Light Maintenance Manual Excluding MPI & CZI

Limited Ratings - Specialized Services

<u>Rating</u>	<u>Specifications</u>	<u>Limitations</u>
Non Destructive Testing	I/A/W NAS 410	Repair limitations as contained in the referenced Civil or Military Specification.
Dye Penetrant Inspection	I/A/W ASTM-E-1417	Repair limitations as contained in the referenced Civil or Military Specification.
Magnetic Particle Inspection	I/A/W ASTM-E-1444	Repair limitations as contained in the referenced Civil or Military Specification.
Eddy Current Inspection	I/A/W T9074-AS-GIB-010-271	Repair limitations as contained in the referenced Civil or Military Specification.
Ultrasonic Inspection	I/A/W T9074-AS-GIB-010-271	Repair limitations as contained in the referenced Civil or Military Specification.
Radiographic Inspection	I/A/W ASTM-E-1742	Repair limitations as contained in the referenced Civil or Military Specification.
Welding	I/A/W AWS D17.1:2001	Repair limitations as contained in the referenced Civil or Military Specification.
Loral Cockpit Voice Recorder	I/A/W Repair Manual #23-70-01 & #23-70-11	Repair limitations as contained in the referenced Civil or Military Specification.
Fairchild Flight Data Recorder	I/A/W Repair Manual #31-30-01	Repair limitations as contained in the referenced Civil or Military Specification.

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

DIGITALLY FAA SIGNED 12/9/2008 2:32:07 PM

Buff, Sydney
Principal Maintenance Inspector

4. Date Approval is effective: 12/09/2008

Amendment Number: 11

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

DIGITALLY INDUSTRY SIGNED 12/9/2008 2:27:53 PM

Gary Schandl,
FAA Accountable Manager, 145

Date: 12/09/2008

A004. Summary of Special Authorizations and Limitations

HQ Control: 9/23/1998

HQ Revision: 010

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

	<u>Reference Paragraphs</u>
Use an approved electronic recordkeeping system, electronic/digital signature, and/or electronic media.	A025
Perform work, including continuous operations, at additional locations other than at its primary fixed location.	A101
Conduct operations choosing to have an antidrug and alcohol misuse prevention program.	A449
Perform work, excluding continuous operations, at additional locations other than at its primary Fixed Location.	D100

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

Use Exemptions.	A005
Perform maintenance with NAA ratings where the scope of work is authorized by a BASA/MIP.	A060
Perform maintenance in accordance with foreign repair station geographic authorizations.	B050
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

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

DIGITALLY FAA SIGNED 6/4/2008 9:41:07 AM

Buff, Sydney
Principal Maintenance Inspector

4. Date Approval is effective: 06/04/2008 Amendment Number: 8
5. I hereby accept and receive the Operations Specifications in this paragraph.

DIGITALLY INDUSTRY SIGNED 6/4/2008 8:33:24 AM

Gary Schandl,
FAA Accountable Manager, 145

Date: 06/04/2008

A007. Designated Persons

HQ Control: 12/19/06
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
Chief Inspector	William E. Shelton	A,D
FAA Accountable Manager, 145 / Director, Quality Assurance	Gary Schandl,	A,D

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
William Shelton	bshelton@midcoast-aviation.com	618.646.8269	All
Gary Schandl	gschandl@midcoast-aviation.com	618.646.8218	All

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

DIGITALLY FAA SIGNED 6/7/2007 9:02:55 AM

Buff, Sydney
Principal Maintenance Inspector

4. Date Approval is effective: 06/07/2007 Amendment Number: 4
5. I hereby accept and receive the Operations Specifications in this paragraph.

DIGITALLY INDUSTRY SIGNED 6/7/2007 8:36:27 AM

Gary Schandl,
FAA Accountable Manager, 145

Date: 06/07/2007

A101. Additional Fixed Locations

HQ Control: 11/16/04
HQ Revision: 010

- a. The certificate holder may perform work at the following additional fixed location(s) listed in Table 1, provided it has the facilities, material, equipment and technical personnel to perform the work authorized:

Table 1

Additional Location Address(es)				
Address	City	State	Country	Postal Code
5995 N. McDonnell Blvd.	St. Louis	MO	USA	63134

- b. This authorizes the certificate holder to use multiple locations to perform its operations under a single certificate.
- c. This authorization does not constitute a geographic authorization for work performed at another location.
- d. The certificate holder may perform continuous operations at the facilities listed in Table 1 above.
- e. Privileges of a line station, as set forth by any EASA line station rating, are authorized at these locations, as applicable.
- f. All the authorizations and exemptions authorized for the certificate holder apply at these locations, as applicable.

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

DIGITALLY FAA SIGNED 3/3/2005 8:53:28 AM

Buff, Sydney
Principal Maintenance Inspector

4. Date Approval is effective: 03/03/2005 Amendment Number: 1
5. I hereby accept and receive the Operations Specifications in this paragraph.

DIGITALLY INDUSTRY SIGNED 3/2/2005 2:07:59 PM

Gary Schandl,
FAA Accountable Manager, 145

Date: 03/02/2005

A449. Antidrug and Alcohol Misuse Prevention Program

HQ Control: 01/22/04
HQ Revision: 000

- 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 sightseeing operation as defined by 14 CFR §135.1(c).
- b. The certificate holder certifies that it will comply with the requirements of 14 CFR Part 121 appendices I and J 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 (618) 646-8019
Address:	6400 Curtiss-Steinberg Drive
Address:	
City:	Cahokia
State:	IL
Zip code:	62206

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. Support information reference:
3. These Operations Specifications are approved by direction of the Administrator.


DIGITALLY FAA SIGNED 4/1/2009 9:42:08 AM

Buff, Sydney

Principal Maintenance Inspector

CE03

4. Date Approval is effective: 04/01/2009 Amendment Number: 3
5. I hereby accept and receive the Operations Specifications in this paragraph.


WILLIAM E. SHELTON
CHIEF INSPECTOR, 145

4-1-09

Date:

**D100. Work to be Performed at a Place Other Than the
Repair Station Fixed Location(s)**

HQ Control: 11/16/04
HQ Revision: 050

- a. The certificate holder may perform work at a place other than its Fixed Location (as listed in paragraph A001, and paragraph A101 if issued, of these operations specifications) provided it has the facilities, material, equipment and technical personnel to perform the work authorized in the following table.

Table 1

Work Authorized	Repair Stations Manual References	Quality Control Manual References
Any functions for which the Repair Station is rated.	RSM / QCM, Section B, Part 1, Page 47	RSM / QCM, Section B, Part 1, Page 47

- b. The certificate holder **may not** perform **continuous** operation at a facility other than the station's Fixed Location listed in paragraph A001, and paragraph A101 if issued.
- c. Line Stations. Privileges of a line station, as set forth by the EASA certificate and scope of work and located within the country where the main facility is domiciled are listed in Table 1 are authorized.
- d. Work may be due to a special circumstance or on a recurring basis. If on a recurring basis, the repair station must have procedures in its manual.

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

DIGITALLY FAA SIGNED 1/23/2006 1:41:49 PM

Buff, Sydney
Principal Maintenance Inspector

4. Date Approval is effective: 01/23/2006 Amendment Number: 4
5. I hereby accept and receive the Operations Specifications in this paragraph.

DIGITALLY INDUSTRY SIGNED 1/13/2006 10:27:55 AM

Gary Schandl,
FAA Accountable Manager, 145

Date: 01/13/2006