

UNITED STATES OF AMERICA
DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

Air Agency Certificate

Number BTVR626C

This certificate is issued to

PENTASTAR AVIATION, LLC

whose business address is

7002 HIGHLAND ROAD
WATERFORD, MI 48327

*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 PROPELLER (05-13-11)
LIMITED POWERPLANT
LIMITED ACCESSORY
AIRFRAME CLASS 3 (01-14-09)
AIRFRAME CLASS 4 (01-14-09)
LIMITED RADIO (11-22-2023)

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

Date issued:

AUGUST 2, 1974
REISSUED: NOVEMBER 22, 2023

By direction of the Administrator

James L. Gotha
James L. Gotha, GL-23, Belleville, MI

**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: 05/10/2024

HQ Revision: 05g

a. These operations specifications are issued to Pentastar Aviation, LLC., a Repair Station located in the United States, pursuant to 14 CFR Part 145, § 145.53(a). 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:
7002 Highland Rd.
Waterford, Michigan 48327

Mailing Address:
7002 Highland Rd.
Waterford, Michigan 48327

b. The holder of these operations specifications is the holder of certificate number BTVR626C 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 operation specifications does not perform maintenance and/or an alteration of aircraft and/or aeronautical products under a Bilateral Aviation Safety Agreement (BASA).

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.

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 Martha M Winnard on behalf of Jason L. Lucas, Principal
Avionics Inspector (GL23)

[1] EFFECTIVE DATE: 7/24/2024, [2] AMENDMENT #: 22

DATE: 2024.07.24 11:00:55 -05:00

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

Digitally signed by JAMES R BREITER, Quality Control Manager

DATE: 2024.07.24 08:54:50 -05:00

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 Martha M Winnard, Principal Maintenance Inspector (GL23)
[1] EFFECTIVE DATE: 2/22/2021, [2] AMENDMENT #: 16
DATE: 2021.02.22 09:56:10 -06:00

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

James R Breiter, Quality Control Manager

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

None authorized

None authorized

Airframe Class 3: All-Metal Construction of Small Aircraft

Airframe Class 4: All-Metal Construction of Large Aircraft

Limited Ratings

<u>Rating</u>	<u>Manufacturer</u>	<u>Make/Model</u>	<u>Limitations</u>
Engines	From the Capability List, as amended.	From the Capability List, as amended.	None
Propellers	From the Capability List, as amended.	From the Capability List, as amended.	Propeller overhaul is not authorized
Accessories	From the Capability List, as amended.	From the Capability List, as amended.	Limited to Auxiliary Power Units, Electrical Inverters and Power Supplies.
Radio	All	All	Limited to Transponders CFR 91.413 (Part 43 Appendix F)

Limited Ratings - Specialized Services

<u>Rating</u>	<u>Specifications</u>	<u>Limitations</u>
None Authorized.		

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



Digitally signed by Paul A Reynolds, Principal Avionics Inspector (GL23)
[1] EFFECTIVE DATE: 11/22/2023, [2] AMENDMENT #: 41
DATE: 2023.11.20 13:08:35 -06:00

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

Digitally signed by JAMES R BREITER, Quality Control Manager
DATE: 2023.11.20 13:01:26 -06:00

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 acceptable 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
Perform safety-sensitive functions requiring a drug and alcohol testing program under 14 CFR part 120	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*:

	Reference Paragraphs
Use Exemptions.	A005
Perform maintenance with ratings for repair stations located outside the United States under a Bilateral Aviation Safety Agreement with Maintenance Provisions.	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 non-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 Martha M Winnard, Principal Maintenance Inspector (GL23)
[1] EFFECTIVE DATE: 9/1/2021, [2] AMENDMENT #: 14
DATE: 2021.09.02 12:01:59 -05:00

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

Digitally signed by JAMES R BREITER, Quality Control Manager
DATE: 2021.09.01 12:51:24 -05:00

A007 . Designated Persons

HQ Control: 09/08/2021

HQ Revision: 03a

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	Email Address
Quality Control Manager	Breiter, James R	A,D	
Quality Assurance Specialist	Schelske, Stephan	A,D	
FAA Accountable Manager, 145 / Director of Maintenance Operations	Rowe, Joshua	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
Breiter, James	jbreiter@pentastar.aero	248-666-8387	ALL
Rowe, Joshua	jrowe@pentastar.aero	248-666-8381	ALL
Schelske, Stephan	sschelske@pentastar.aero	248-666-8244	ALL

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



Digitally signed by Martha M Winnard, Principal Maintenance Inspector (GL23)
[1] EFFECTIVE DATE: 1/13/2025, [2] AMENDMENT #: 31
DATE: 2025.01.13 11:23:58 -06:00

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

Digitally signed by JAMES R BREITER, Quality Control Manager
DATE: 2025.01.13 11:17:24 -06:00

**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.)

PROQUIS ENTERPRISE 3.10.04 DIGITAL RECORDKEEPING SYSTEM
TALENTLMS ELECTRONIC TRAINING / DIGITAL RECORDKEEPING SYSTEM

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").

N/A

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 Paul A Reynolds, Principal Avionics Inspector (GL23)

[1] EFFECTIVE DATE: 5/9/2017, [2] AMENDMENT #: 0

DATE: 2017.05.09 09:28:21 -05:00

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

Digitally signed by Gary M Roberts, Director of Quality Control

DATE: 2017.05.04 14:56:04 -05:00

A101 . Additional Fixed Locations

HQ Control: 12/11/2020

HQ Revision: 01b

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

Table 1

Additional Location Address(es)				
Address	City	State	Country	Postal Code
7310 Highland Road	Waterford	Michigan	UNITED STATES	48327
7208 Highland Road	Waterford	Michigan	UNITED STATES	48327

b. This authorizes the certificate holder to use multiple locations to perform its operations under a single certificate.

c. With the exception of the provisions of subparagraph g below, this authorization does not constitute work performed at additional location(s) outside the domiciled country.

d. The certificate holder may perform continuous operations at the facilities listed in Table 1 above.

e. All the authorizations and exemptions authorized for the certificate holder apply at these locations, as applicable.

f. Repair stations located outside the United States covered by the U.S./European Union (EU) Safety Agreement must be under the surveillance of an aviation authority (AA), hold a European Aviation Safety Agency (EASA) line station approval, and must be located within the EU Member States.

g. Repair stations with their principal place of business located within the United Kingdom of Great Britain and Northern Ireland (UK) operating under the Maintenance Implementation Procedures (MIP) are authorized additional fixed locations outside of the UK. The repair station must hold a UK Civil Aviation Authority (CAA) approval, be under direct surveillance by the UK CAA for that location, and must not be located within the United States.

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



Digitally signed by Martha M Winnard, Principal Maintenance Inspector (GL23)
[1] EFFECTIVE DATE: 1/13/2025, [2] AMENDMENT #: 3
DATE: 2025.01.13 11:23:58 -06:00

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

Digitally signed by JAMES R BREITER, Quality Control Manager
DATE: 2025.01.13 07:44:45 -06:00

A449 . Drug and Alcohol Testing Program

HQ Control: 08/30/2021

HQ Revision: 00b

- a. The 14 CFR Part 145 repair station certificate holder has implemented a drug and alcohol testing program because the certificate holder performs safety-sensitive functions for a 14 CFR Part 121, 121/135, and/or 135 certificate holder, and/or for a 14 CFR Part 91 operator conducting operations under § 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 drug and alcohol testing program.
- c. Drug and alcohol testing 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 Drug and Alcohol Testing Program Records	
Telephone Number:	A3 (UG8A)
Address:	
Address:	
City:	
State:	--
Zip code:	

d. Limitations and Provisions.

(1) The FAA's Drug Abatement Division is responsible for oversight and enforcement of the DOT/FAA-mandated drug and alcohol testing program. Questions regarding the program requirements or regulations must be directed to the Drug Abatement Division at 202-267-8442 or drugabatement@faa.gov.

(2) The certificate holder is responsible for updating this operations specification when any of the following changes occur:

(a) Phone number and address where the drug and alcohol testing 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.

- e. 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 Martha M Winnard, Principal Maintenance Inspector (GL23)
[1] EFFECTIVE DATE: 9/3/2021, [2] AMENDMENT #: 6
DATE: 2021.09.03 06:24:21 -05:00

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

Digitally signed by JAMES R BREITER, Quality Control Manager
DATE: 2021.09.03 05:47:01 -05:00

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Part D

	HQ CONTROL DATE	EFFECTIVE DATE	AMENDMENT NUMBER
100 Work to be Performed at a Place Other Than the Repair Station's Fixed Location(s)	05/20/2024	07/24/2024	13

D100 . Work to be Performed at a Place Other Than the Repair Station's Fixed Location(s) HQ Control: 05/20/2024
HQ Revision: 05a

a. The certificate holder is authorized to perform work on a recurring basis at a location other than its fixed location(s) listed in Operations Specification A001, Issuance and Applicability, and, if issued, A101, Additional Fixed Locations, provided it has the facilities, material, equipment, and technical personnel to perform the work authorized in Table 1 below:

Table 1 - Work Authorized

Work Authorized	Repair Station Manual References	Quality Control Manual References
Provide maintenance service as authorized in the Repair Station Procedures Manual	Refer to Repair Station Procedures Manual Section 3.5	Refer to Repair Station Procedures Manual Section 3.5

b. Work Authorized. The work authorized in Table 1 above could be the repair station's entire rating(s) or portions thereof.

c. Repair Station Manual (RSM). Table 1 must list the section(s) in the RSM and, if applicable, the Quality Control Manual (QCM) that contain the procedures that govern how the repair station will perform work on a recurring basis at a place other than the repair station's fixed location(s).

d. Continuous Operations. Issuance of this operations specification does not authorize continuous operations at a location away from the repair station's fixed location(s) listed in operations specification A001 and, if issued, A101.

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 Martha M Winnard on behalf of Jason L. Lucas, Principal
Avionics Inspector (GL23)

[1] EFFECTIVE DATE: 7/24/2024, [2] AMENDMENT #: 13

DATE: 2024.07.24 11:00:56 -05:00

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

Digitally signed by JAMES R BREITER, Quality Control Manager

DATE: 2024.07.24 08:54:58 -05:00