

UNITED STATES OF AMERICA
DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

Air Agency Certificate

Number EBVR450D

This certificate is issued to

**Duncan Aviation, Inc.
DBA Duncan Aviation**

whose business address is

**15745 South Airport Road
Battle Creek, Michigan 49015**

*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* **Satellite Repair Station**

with the following ratings:

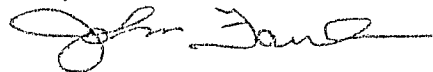
Airframe (06/07/2004)	Limited Engine (10/04/2005)
Accessory	Limited Specialized Service (02/13/2007)
Instrument	Limited Emergency Equipment (04/26/2006)
Radio	Limited Non-Destructive Testing (10/04/2005)

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

Date issued:

**May 16, 1967
Reissued March 25, 2020**

By direction of the Administrator



**Murray D. Huling
Manager, AFG-GRR-FSDO-09**

**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: 05/06/2022

HQ Revision: 05f

a. These operations specifications are issued to Duncan Aviation, Inc., 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:
15745 South Airport Road
Battle creek, Michigan 49015

b. The holder of these operations specifications is the holder of certificate number EBVR450D 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 performs maintenance and/or an alteration of aircraft and/or aeronautical products under a safety agreement.

e. The certificate holder is authorized to conduct the operations described in subparagraph a under the following other business names:

Duncan Aviation
Delegated Authorities: None

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



Digitally signed by Kenneth J Hughes, Principal Avionics Inspector (GL09)
[1] SUPPORT INFO: Template Revision
[2] EFFECTIVE DATE: 6/1/2022, [3] AMENDMENT #: 12
DATE: 2022.06.01 12:37:15 -05:00

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

Digitally signed by Todd E Wright, Chief Inspector
[1] SUPPORT INFO: Template Revision
DATE: 2022.05.31 13:04:17 -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. The Certificate Holder applies for the Operations in this paragraph.
2. These Operations Specifications are approved by direction of the Administrator.



Digitally signed by Robert D Holdridge II, Principal Maintenance Inspector (GL09)
[1] SUPPORT INFO: Remove limited airframe, add DBA, add Todd Wright to
A007, template changes
[2] EFFECTIVE DATE: 3/25/2020, [3] AMENDMENT #: 10
DATE: 2020.03.25 06:58:13 -05:00

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

Peter L. Mills, Chief Inspector

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

- Accessory Class 1: Mechanical Accessories
- Accessory Class 2: Electrical Accessories
- Airframe Class 1: Composite Construction of Small Aircraft
- Airframe Class 3: All-Metal Construction of Small Aircraft
- Airframe Class 4: All-Metal Construction of Large Aircraft
- Instrument Class 1: Mechanical
- Instrument Class 2: Electrical
- Instrument Class 3: Gyroscopic
- 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>
PowerPlant - Turbine	Honeywell	TFE731-2/3/4/5 Series, TFE731-20/40/50/60 Series, ALF 502 Series, ATF-3 Series and AS907 Series	Excludes Overhaul
	CFE Company	CFE 738	Excludes Overhaul
	Williams/Rolls International	FJ44 Series	Excludes Overhaul
	Allison/Rolls	AE3007 Series	Excludes Overhaul
	Rolls Royce	Spey Series, Tay Series, and BR700-710 Series	Excludes Overhaul
	General Electric	CF34 Series	Excludes Overhaul

<u>Rating</u>	<u>Manufacturer</u>	<u>Make/Model</u>	<u>Limitations</u>
	Pratt & Whitney	PT6 Series, JT15 Series, PW545 Series, PW305 Series, PW306 Series, PW307A, PW308 Series, PW530 Series, PW535 Series, PW615F-A, and PW617F-E	Excludes Overhaul
PowerPlant - Reciprocating	Lycoming	All Opposed Engines	Excludes Overhaul
	Continental	All Opposed Engines	Excludes Overhaul
	Franklin	All Opposed Engines	Excludes Overhaul
Nondestructive Inspection, Testing, and Processing			Non-destructive testing of aircraft, engines, propellers and appliances, including liquid penetrant, magnetic particle, eddy current, and ultrasonic in accordance with the manufacturer's technical data and the Duncan Aviation, Inc. Written Practices Manual.
Emergency Equipment	Hoover Industries	FV-35 Series	Life vest inspection and maintenance per Hoover Industries Manual 25-60-2
		FV-35E & FV-35F Series	Life vest inspection and maintenance per Hoover Industries Manual 25-60-06.
	Zodiac Air Cruisers	A/C-2 Series, A/C-3 Series, A/C-4 Series and AD-8 Series	Life vest inspection and maintenance per Air Cruisers Manual 25-60-05
		AC-2000	Life vest inspection and maintenance per Air Cruisers Manual 25-64-02
		AC-2F and AC-2CF	Life vest inspection and maintenance per Air Cruisers Manual 25-64-03
	Switlik Parachute	AV-2A	Life vest inspection and maintenance per Switlik Manual 25-60-41
		AV-2	Life vest inspection and maintenance per Switlik Manual 25-60-30
		AV-8	Life vest inspection and maintenance per Switlik Manual 25-60-33
		AV-10A	Life vest inspection and maintenance per Switlik Manual 25-60-32
		AV-12A	Life vest inspection and maintenance

<u>Rating</u>	<u>Manufacturer</u>	<u>Make/Model</u>	<u>Limitations</u>
		AV-35, S-11000 Series	per Switlik Manual 25-60-43 Life vest inspection and maintenance per Switlik Manual 25-60-190
		AV-35, S-21000 Series	Life vest inspection and maintenance per Switlik Manual 25-60-200
		AV-35, S-51000 Series	Life vest inspection and maintenance per Switlik Manual 25-61-07
		AV-35, S-61000 Series	Life vest inspection and maintenance per Switlik Manual 25-61-08
		VS35 Series	Life vest inspection and maintenance per Switlik Manual 25-60-59
	Life vests for which manufacturer's technical data is not available.		Maintenance and preventative maintenance, excluding alterations, per Duncan Aviation procedure AP-ACS-97-005, revision 4, dated June 2, 2017.

Limited Ratings - Specialized Services

<u>Rating</u>	<u>Specifications</u>	<u>Limitations</u>
Aircraft Paint	Duncan Aviation, Inc. Approved Procedure AP-34-002-96, as revised.	Limitations as contained in the referenced approved procedure.

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



Digitally signed by Kenneth J Hughes, Principal Avionics Inspector (GL09)
[1] EFFECTIVE DATE: 11/3/2020, [2] AMENDMENT #: 30
DATE: 2020.11.03 13:33:27 -06:00

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

Todd E. Wright

Todd E. Wright, Chief Inspector

11/4/2020

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
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*:

	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 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 Kenneth J Hughes, Principal Avionics Inspector (GL09)
[1] EFFECTIVE DATE: 5/5/2016, [2] AMENDMENT #: 10
DATE: 2016.05.05 13:04:45 -05:00

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

Peter L Mills

05/19/2016

Mills, Peter L., Chief Inspector

Date

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
FAA Accountable Manager, 145 / EASA Accountable Manager (145), Executive Vice President/Chief Operating Officer	Richards, Andrew B.	A,D	
Manager of Regulatory Compliance	Mertens, Michael R.	A,D	
Chief Inspector	Wright, Todd E.	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
Mertens, Michael R.	mike.mertens@duncanaviation.com	(402) 475-2611	ALL
Wright, Todd E.	todd.wright@duncanaviation.com	(269) 425-0940	ALL

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



Digitally signed by Kenneth J Hughes, Principal Avionics Inspector (GL09)
[1] SUPPORT INFO: Template Revision
[2] EFFECTIVE DATE: 6/1/2022, [3] AMENDMENT #: 14
DATE: 2022.06.01 12:37:15 -05:00

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

Digitally signed by Todd E Wright, Chief Inspector
[1] SUPPORT INFO: Template Revision
DATE: 2022.05.31 13:35:55 -05:00

**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.)

Electronic recordkeeping system as referenced in Duncan Aviation Repair Station General Operating Manual (RSGOM).

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

Electronic/Digital Signature System (ESO) procedures as outlined in the Duncan Aviation RSGOM.

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").

An electronic copy of the RSGOM shall be posted within five working days as referenced in the Duncan Aviation RSGOM.

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 Robert D Holdridge II, Principal Maintenance Inspector (GL09)
[1] SUPPORT INFO: Remove limited airframe, add DBA, add Todd Wright to
A007, template changes
[2] EFFECTIVE DATE: 3/25/2020, [3] AMENDMENT #: 2
DATE: 2020.03.25 06:58:26 -05:00

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

Peter L. Mills, Chief Inspector

Date

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
5605 Portage Road	Kalamazoo	Michigan	UNITED STATES	49001
16101 South Airport Road	Battle Creek	Michigan	UNITED STATES	49015
15955 South Airport Road	Battle Creek	Michigan	UNITED STATES	49015

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



Digitally signed by Kenneth J Hughes, Principal Avionics Inspector (GL09)
[1] SUPPORT INFO: Added 15955 S. Airport Rd.
[2] EFFECTIVE DATE: 5/31/2023, [3] AMENDMENT #: 4
DATE: 2023.05.31 11:19:10 -05:00

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

Todd E. Wright

Todd E. Wright, Chief Inspector

5-31-2023

Date

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 (JGVA)
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 Kenneth J Hughes, Principal Avionics Inspector (GL09)

[1] SUPPORT INFO: Template Revision

[2] EFFECTIVE DATE: 6/1/2022, [3] AMENDMENT #: 6

DATE: 2022.06.01 12:37:16 -05:00

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

Digitally signed by Todd E Wright, Chief Inspector

[1] SUPPORT INFO: Template Revision

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Table of Contents

Part D

	HQ CONTROL DATE	EFFECTIVE DATE	AMENDMENT NUMBER
100 Work to be Performed at a Place Other Than the Repair Station Fixed Location(s)	11/16/2004	12/29/2015	10

D100 . Work to be Performed at a Place Other Than the Repair Station Fixed Location(s) HQ Control: 11/16/2004
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
All functions authorized in paragraph A003	Repair Station Manual, Work Performed Away From Station	N/A

- 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.

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



Digitally signed by Kenneth J Hughes, Principal Avionics Inspector (GL09)
[1] EFFECTIVE DATE: 12/29/2015, [2] AMENDMENT #: 10
DATE: 2015.12.29 06:08:04 -06:00

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

Peter L. Mills

1/19/2016

Peter L. Mills
Chief Inspector

DATE