



U.S. Department
of Transportation
**Federal Aviation
Administration**

Aviation Safety

Flight Standards District Office
901 Locust St, Room 403
Kansas City, MO 64106
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T (800) 519-3269
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January 16, 2024

Mr. Chad Sheline
Accountable/General Manager
PAS/Standard Aero Technologies
1234 Atlantic Street
North Kansas City, MO 64116

Dear Mr. Sheline:

Enclosed are the following amended Operations Specifications (OpSpecs) and the respective tables of contents. This amendment reflects the optional template updates, and the change to the accountable manager for the following paragraphs.

<u>Paragraph</u>	<u>Amendment</u>
A001	11
A002	10
A007	23

Please sign the amended OpSpecs paragraphs and return by email to john.knox@faa.gov or regular mail to this office at your earliest convenience but not later than 15 business days from the date of this letter.

If you have any questions or need further assistance, please contact me at (816) 329-4021 or by e-mail at john.knox@faa.gov.

Sincerely,

JOHN R
KNOX

Digitally signed
by JOHN R KNOX
Date: 2024.01.16
06:46:52 -06'00'

John Rusty Knox
Principal Maintenance Inspector

Enclosures

A001 . Issuance and Applicability

HQ Control: 05/06/2022

HQ Revision: 05f

a. These operations specifications are issued to PAS Technologies Inc., 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:
1234 Atlantic Street
N. Kansas City, Missouri 64116

b. The holder of these operations specifications is the holder of certificate number OY23074L 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.

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



Digitally signed by John R. Knox, Principal Maintenance Inspector (CE05)
[1] EFFECTIVE DATE: 1/10/2024, [2] AMENDMENT #: 11
DATE: 2024.01.10 09:15:05 -06:00

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

Chad Sheline

Chad Sheline, General Manager

1/16/24

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 John R. Knox, Principal Maintenance Inspector (CE05)
[1] EFFECTIVE DATE: 1/10/2024, [2] AMENDMENT #: 10
DATE: 2024.01.10 09:15:12 -06:00

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

Chad Shelini

Chad Shelini, General Manager

1-14-23

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>
Engines	CFM International	CFM-56	Maintenance and alteration of components. Excludes complete engine overhaul.
	General Electric	CF-6, CF-34, GE-90	Maintenance and alteration of components. Excludes complete engine overhaul.
	International Aero Engines	V2500	Maintenance and alteration of components. Excludes complete engine overhaul.
	Pratt & Whitney	JT3D, JT8D, JT9D, PW1500, PW2000, PW4000	Maintenance and alteration of components. Excludes complete engine overhaul.
	Pratt & Whitney	PW1100- and 1400-Series	Maintenance and Alteration of Bearing Seals.
	Pratt & Whitney of Canada	JT15, PW100, PW300, PW901	Maintenance and alteration of components. Excludes complete engine overhaul.
	Rolls Royce	AE3007, RB211	Maintenance and alteration of components. Excludes complete engine overhaul.
	Honeywell International	ATF3, CFE738	Maintenance and alteration of components. Excludes complete engine overhaul.
Airframe	Airbus	A300, A310, A318, A319, A320, A321	Maintenance and alteration of components.
	Boeing	727, 737, 747, 757, 767, 777	Maintenance and alteration of components.
	Gulfstream	G-IV	Maintenance and alteration of components.

<u>Rating</u>	<u>Manufacturer</u>	<u>Make/Model</u>	<u>Limitations</u>
Landing Gear Components	McDonnell Douglas	DC-9, DC-10, MD-11, MD-80	Maintenance and alteration of components.
	Boeing	737, 757, 767	Maintenance and alteration of components.
	McDonnell Douglas	MD-80	Maintenance and alteration of components.
Nondestructive Inspection, Testing, and Processing	N/A	N/A	Eddy Current, Liquid Penetrant, Magnetic Particle, Radiographic and Ultrasonic testing methods.
Accessories	Garrett	TACP 700 APU	Maintenance and alteration of components. Except complete overhaul.
	Honeywell International	RE220, GTCP 36 APU	Maintenance and Alteration of components. Except complete overhaul.

Limited Ratings - Specialized Services

<u>Rating</u>	<u>Specifications</u>	<u>Limitations</u>
Machining	MIL-STD-866, as amended	Repair limitations as contained in the referenced Civil or Military Specification.
LHE Cadmium Plating	BAC SOPM 20-42-01 and 20-42-10, as amended	Repair limitations as contained in the referenced Civil or Military Specification.
Welding	AMS-2680, AMS-2681, and AWS D17.1, as amended	Repair limitations as contained in the referenced Civil or Military Specification.
Protective Coating, Thermal Spray (Plasma Spray, Flame Spray, HVOF, Detonation Gun)	Technical data approved by a Military Specification ASTM, AMS or any other data approved by the Administrator.	Repair limitations as contained in the referenced Civil or Military Specification.
Metal Processing (Bead Peening, Ceramic, Glass and Steel Shot)	AMS-2430, as amended	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 David S Johnson, Principal Maintenance Inspector (CE05)
[1] EFFECTIVE DATE: 3/18/2021, [2] AMENDMENT #: 24
DATE: 2021.03.18 07:42:44 -05:00

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

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

Allison Jones, Plant Quality Manager

A handwritten date "3/18/21" in blue ink, written over a horizontal line.

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 acceptable 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 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 William C. Taylor, Principal Maintenance Inspector (CE05)
[1] SUPPORT INFO: Name change of signature authority
[2] EFFECTIVE DATE: 5/23/2017, [3] AMENDMENT #: 9
DATE: 2017.05.23 11:02:16 -05:00

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

A handwritten signature in blue ink, appearing to read "Allison Jones".

Jones, Allison, Plant Quality Manager

A handwritten date in blue ink, "06/16/2017".

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 / General Manager	Sheline, Chad	A	
Chief Inspector	Loney, Debra	A	
Director of Quality Assurance / Plant Quality Manager	Loney, Debra	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
Chad Sheline	chad.sheline@standaero.com	513-906-6888	ALL

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



Digitally signed by John R. Knox, Principal Maintenance Inspector (CE05)
[1] EFFECTIVE DATE: 1/10/2024, [2] AMENDMENT #: 23
DATE: 2024.01.10 09:15:18 -06:00

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

Chad Sheline

Chad Sheline, General Manager

1-16-23

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.)

PAS Repair Station Manual & Quality Control Manual, Section 9.3

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

PAS Repair Station Manual & Quality Control Manual, Section 9.2

- 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").

PAS Repair Station Manual & Quality Control Manual page 1-1, paragraph 1.2

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 David S Johnson, Principal Maintenance Inspector (CE05)
[1] EFFECTIVE DATE: 12/17/2020, [2] AMENDMENT #: 2
DATE: 2020.12.17 13:54:52 -06:00

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

A handwritten signature in blue ink, appearing to read "Allison Jones", is written over a horizontal line.

Allison Jones, Plant Quality Manager

12/17/2020

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:	A2 (CONN502B)
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 David S Johnson, Principal Maintenance Inspector (CE05)

[1] SUPPORT INFO: Drug Abatement Division requests amendment due to program consolidation

[2] EFFECTIVE DATE: 7/13/2023, [3] AMENDMENT #: 10

DATE: 2023.07.13 12:57:38 -05:00

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

Debra Loney

Debra Loney, Plant Quality Manager

7/14/23

Date