

UNITED STATES OF AMERICA
DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

Air Agency Certificate

Number TFPR634K

This certificate is issued to

PAS TECHNOLOGIES, INC

whose business address is

**1021 NORTH 22ND AVENUE
PHOENIX, ARIZONA 85009**

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:

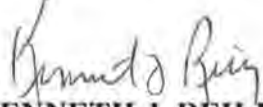
**LIMITED AIRFRAME (06/07/1999)
LIMITED ENGINE (06/07/1999)
LIMITED ACCESSORIES (06/07/1999)
LIMITED NONDESTRUCTIVE INSPECTION (06/07/1999)
LIMITED SPECIALIZED SERVICES (06/07/1999)
LIMITED LANDING GEAR COMPONENTS (10/01/2010)**

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

Date issued:

By direction of the Administrator

DECEMBER 30, 1991
REISSUED OCTOBER 1, 2010


KENNETH J. REILLY
MANAGER, SCOTTSDALE 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: 02/11/2016

HQ Revision: 05e

a. These operations specifications are issued to PAS Technologies, Inc., 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:
1021 North 22nd Avenue
Phoenix, Arizona 85009

Mailing Address:
1021 North 22nd Avenue
Phoenix, Arizona 85009

b. The holder of these operations specifications is the holder of certificate number TFPR634K 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.

Delegated authorities: None

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 Tom Vernon Jr., Principal Maintenance Inspector (WP07)
[1] SUPPORT INFO: CH added a process to their Limited Specialized Services
rating
[2] EFFECTIVE DATE: 3/15/2016, [3] AMENDMENT #: 7
DATE: 2016.03.15 11:22:56 -05:00

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



Nida, Christopher, Chief Inspector

3/16/16

Date

A002 . Definitions and Abbreviations

HQ Control: 02/11/2016

HQ Revision: 05c

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.
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.
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	An approval provided to a repair station located outside the United

Authorization	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 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 Agreement, Annex 2, Maintenance.
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.
MOE	A maintenance organization exposition (MOE) pertains to EASA member countries that use an MOE in place of a Repair Station Manual (RSM) and a Quality Control Manual (QCM).
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 certificated repair station located in the United States.

Repair Station located outside the United States A 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 Tom Vernon Jr., Principal Maintenance Inspector (WP07)
[1] SUPPORT INFO: CH added a process to their Limited Specialized Services
rating
[2] EFFECTIVE DATE: 3/15/2016, [3] AMENDMENT #: 6
DATE: 2016.03.15 11:22:59 -05:00

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



Nida, Christopher, 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

None authorized

Limited Ratings

<u>Rating</u>	<u>Manufacturer</u>	<u>Make/Model</u>	<u>Limitations</u>
Airframe	From the Capability List, as amended.	From the Capability List, as amended.	Limited to piece parts.
Engines	From the Capability List, as amended.	From the Capability List, as amended.	Limited to piece parts. Excludes complete engine overhaul.
Accessories	From the Capability List, as amended.	From the Capability List, as amended.	Limited to Mechanical accessories.
Landing Gear Components	From the Capability List, as amended.	From the Capability List, as amended.	Limited to piece parts.
Nondestructive Inspection, Testing, and Processing	See Limitations	See Limitations	Liquid Penetrant I/A/W ASTM-E-1417, BAC 5423, and AMS 2645, as revised. Magnetic Particle I/A/W ASTM-E-1444, AMS 2640, BAC 5424, and Boeing Specifications 20-20-01, as revised. Nital Etch I/A/W MIL-STD-867 and Boeing BAC 5436, as revised.

Limited Ratings - Specialized Services

<u>Rating</u>	<u>Specifications</u>	<u>Limitations</u>
Anodize	MIL-A-8625, Type I, Type II, Type III, Chromic, Sulfuric, and Hard Anodize, PN 14.06, AMS 2470, BAC 5019, P6444, AMS 2471, AMS 2472, BAC 5022, BAC 5821 (Class 1 & 2), AMS 2469, EMS 52401, EMS 52456, GPS 3205-1. All as revised	Repair limitations as contained in the referenced Civil or Military Specification.

<u>Rating</u>	<u>Specifications</u>	<u>Limitations</u>
Alodine	MIL-C-5541, AMS 2473, BAC 5719, PN 14.12. All as revised	Repair limitations as contained in the referenced Civil or Military Specification.
Chrome Plating	ASTM-B-177, ASTM-B-650, AMS 2406, AMS2460, AMS 2438, EMS 52410, EMS 52443, BAC 5709, Boeing Standard Overhaul Practices Manual (Chapter 20). All as revised.	Repair limitations as contained in the referenced Civil or Military Specification.
Passivation	MIL-S-5002, C 5041, PN 14.10, GPS 3000-1, BAC 5625, ASTM-A-967, ASTM-A-380. All as revised	Repair limitations as contained in the referenced Civil or Military Specification.
Solid Film Lubricant	MIL-STD-186, BAC 5811, MIL-L-23398, EMS 52402, EMS 52481, GPS 3211-1, GPS 7004-1, MIL-PRF-81329, MIL-PRF-46010. All as revised	Repair limitations as contained in the referenced Civil or Military Specification.
Paint	MIL-STD-1303, MIL-STD-171, FP 5025, BAC 5736, BAC 5845, MIL-C-8514, MIL-STD-7179, MIL-F-18264, MIL-PFR-85285, MIL-PRF-23377, Boeing Standard Overhaul Practices Manual (Chapter 20). All as revised.	Repair limitations as contained in the referenced Civil or Military Specification.
Phosphate Coatings (Heavy, Manganese, or Zinc Base)	BAC 5810, MIL-DTL-16232, AMS2481. All as revised	Repair limitations as contained in the referenced Civil or Military Specification.
Cleaning Methods	TT-C-490D, MIL-S-5002, ASTM-A-380. All as revised	Repair limitations as contained in the referenced Civil or Military Specification.
Electroless Nickel Plating	HS 201, ASTM-B-656, ASTM-B-733, AMS 2404, AMS 2405, EMS 52404, GPS 7003-1, Boeing Standard Overhaul Practices Manual (Chapter 20). All as revised.	Repair limitations as contained in the referenced Civil or Military Specification.
Cadmium Plating	MIL-STD-865, BAC 5718, BAC 5854, MIL-STD-870, AMS-QQ-P-416, AMS-2400, Boeing Standard Overhaul Practices Manual (Chapter 20). All as revised..	Repair limitations as contained in the referenced Civil or Military Specification.
Nickel Plating	MIL-STD-865, BAC 5746, AMS 2403, AMS 2424, AMS-QQ-N-290, Boeing Standard Overhaul Practices Manual (Chapter 20). All as revised.	Repair limitations as contained in the referenced Civil or Military Specification.
Copper Plating	AMS 2418, BAC 5722, All as revised.	Repair limitations as contained in the referenced Civil or Military Specification.
Silver Plating	AMS 2410, AMS 2412, All as revised.	Repair limitations as contained in the referenced Civil or Military Specification.
Black Oxide Coating	MIL-DTL-13924D as revised	Repair limitations as contained in the referenced Civil or Military Specification.

<u>Rating</u>	<u>Specifications</u>	<u>Limitations</u>
Shot Peening	BAC5730, AMS2430, AMS2431 and AMS2432. All as revised	Repair limitations as contained in the referenced Civil or Military Specification.

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



Digitally signed by Tom Vernon Jr., Principal Maintenance Inspector (WP07)
[1] SUPPORT INFO: Template change, N8900.411
[2] EFFECTIVE DATE: 8/3/2017, [3] AMENDMENT #: 7
DATE: 2017.08.03 16:27:12 -05:00

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



Nida, Christopher, Chief Inspector

3-1-18

Date

A004. Summary of Special Authorizations and Limitations

HQ Control: 9/23/1998
HQ Revision: 010

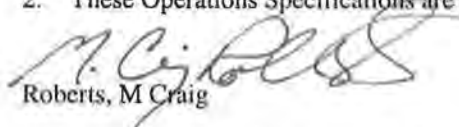
a. The certificate holder, in accordance with the reference paragraphs, is authorized to:

	<u>Reference Paragraphs</u>
Conduct operations choosing to have an antidrug and alcohol misuse prevention program.	A449

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

Use Exemptions.	A005
Use an approved electronic recordkeeping system, electronic/digital signature, and/or electronic media.	A025
Perform maintenance with NAA ratings where the scope of work is authorized by a BASA/MIP.	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

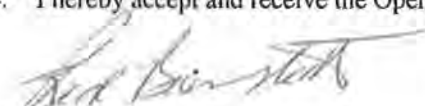
1. Issued by the Federal Aviation Administration.
2. These Operations Specifications are approved by direction of the Administrator.


Roberts, M Craig

Principal Maintenance Inspector

WP07

3. Date Approval is effective: 7/3/06 Amendment Number: 2
4. I hereby accept and receive the Operations Specifications in this paragraph.


Bramstedt, Rick

FAA Accountable Manager, 145

Date: 7/3/06

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
Chief Inspector	Nida, Christopher	A
FAA Accountable Manager, 145 / General Manager	Speach, Kevin	A
Director of Quality Assurance / Quality Assurance Manager	Soward, Mark	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
Speach, Kevin	kevin_speach@pas-technologies.com	602-744-2615	ALL
Soward, Mark	mark_soward@pas-technologies.com	602-744-2647	ALL

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 Tom Vernon Jr., Principal Maintenance Inspector (WP07)
[1] SUPPORT INFO: CH made changes in management personnel.
[2] EFFECTIVE DATE: 2/3/2017, [3] AMENDMENT #: 6
DATE: 2017.03.17 14:45:57 -05:00

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

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

Nida, Christopher, Chief Inspector

3-21-17

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:	Λ2
Address:	
Address:	N/A
City:	
State:	
Zip code:	

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.



2010.06.18 11:41:32 Central Daylight Time
Location: WebOPSS
Digitally signed by Jack G Major, Principal
Maintenance Inspector (WP07)

4. Date Approval is effective: 06/18/2010 Amendment Number: 3
5. I hereby accept and receive the Operations Specifications in this paragraph.

Alonzo, Jorge, Quality Assurance Manager

A handwritten signature in black ink, appearing to read "Alonzo" followed by a flourish.

Date: 06/18/2010
