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Part A

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A001 . Issuance and Applicability

HQ Control: 11/16/2004

HQ Revision: 050

a. These operations specifications are issued to PAS Technologies Inc., a Domestic Repair Station, pursuant to Title 14 Code of Federal Regulations (CFR) Section 145.53. 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:
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 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.

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

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**

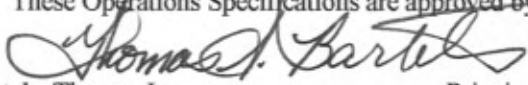
An approval provided to a foreign repair station to perform maintenance support under contract for a U.S. air carrier, or operator of U.S. - registered aircraft under 14 CFR Part 129, at a location other than the repair station facility. A geographic authorization is issued by the FAA to respond to the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

1. Issued by the Federal Aviation Administration.
2. Support information reference:
3. These Operations Specifications are approved by ~~direction~~ of the Administrator.



Bartels, Thomas I.

Principal Maintenance Inspector

CE05

4. Date Approval is effective: 5/31/07 Amendment Number: 6
5. I hereby accept and receive the Operations Specifications in this paragraph.



Clay, Michael R.

Plant Quality Manager

Date: 5/31/07

A003 . Ratings and Limitations

HQ Control: 01/30/2004

HQ Revision: 010

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	McDonnell Douglas	DC-9, DC-10, MD- 11, MD-80	Maintenance and alteration of airframe component parts and subassemblies by application of metallic and ceramic coatings, machining, surface finishing, TIG and plasma arc welding, heat treatment, glass bead, ceramic bead and shot peening, electron beam welding, creep forming, cold expansion fatigue life enhancement, and inspection in accordance with respective Federal Aviation Administration (FAA) approved overhaul manuals and/or repair data.
	Boeing	727, 737, 747, 757, 767, 777	Maintenance and alteration of airframe component parts and subassemblies by application of metallic and ceramic coatings, machining, plating and surface treatment, surface finishing, TIG and plasma arc welding, heat treatment, glass bead, ceramic bead and shot peening, electron beam welding, creep forming, cold expansion fatigue life enhancement, and inspection in accordance with respective Federal Aviation Administration (FAA) approved overhaul manuals and/or repair data.
	Airbus	A310, A320, A318, A319, A321, A300, A300/600	Maintenance and alteration of airframe component parts and subassemblies by application of metallic and ceramic coatings, machining, surface finishing, TIG and plasma arc welding, heat treatment, glass bead, ceramic bead and shot peening, electron beam welding, creep forming, cold expansion fatigue life enhancement, and inspection in accordance with respective Federal Aviation Administration (FAA) approved overhaul manuals and/or repair data.
	Gulfstream	G-IV	Maintenance and alteration of airframe component parts and subassemblies by application of metallic and ceramic coatings, machining, surface finishing, TIG and plasma arc welding, heat treatment, glass bead, ceramic bead and shot peening, electron beam welding, creep forming, cold expansion fatigue life enhancement, and inspection in accordance with respective Federal

<u>Rating</u>	<u>Manufacturer</u>	<u>Make/Model</u>	<u>Limitations</u>
PowerPlant	General Electric	CF-6, GE 90	Aviation Administration (FAA) approved overhaul manuals and/or repair data Maintenance and alteration of engine component parts and subassemblies by application of metallic and ceramic coatings, machining, surface finishing, TIG and plasma arc welding, heat treatment, glass bead, ceramic bead and shot peening, electron beam welding, creep forming, and inspection in accordance with respective Federal Aviation Administration (FAA) approved overhaul manuals and/or repair data.
	Pratt & Whitney	JT3D, JT8D, JT9D, PW 2000 and PW 4000 Series	Maintenance and alteration of engine component parts and subassemblies by application of metallic and ceramic coatings, machining, surface finishing, TIG and plasma arc welding, heat treatment, glass bead, ceramic bead and shot peening, electron beam welding, creep forming, and inspection in accordance with respective Federal Aviation Administration (FAA) approved overhaul manuals and/or repair data.
	Pratt & Whitney	JT8D Series	Disassembly, inspection and repair, reassembly and balancing of JT8D stage 1 and 2 fan rotor assemblies in accordance with respective Federal Aviation Administration (FAA) approved overhaul manuals and/or repair data.
	Pratt & Whitney Canada	JT15, PW100, PW300, and PW901	Maintenance and alteration of engine component parts and subassemblies by application of metallic and ceramic coatings, machining, surface finishing, TIG and plasma arc welding, heat treatment, glass bead, ceramic bead and shot peening, electron beam welding, creep forming, and inspection in accordance with respective Federal Aviation Administration (FAA) approved overhaul manuals and/or repair data.
	International Aero Engines	V2500	Maintenance and alteration of engine component parts and subassemblies by application of metallic and ceramic coatings, machining, surface finishing, TIG and plasma arc welding, heat treatment, glass bead, ceramic bead and shot peening, electron beam welding, creep forming, and inspection in accordance with respective Federal Aviation Administration (FAA) approved overhaul manuals and/or repair data.
	CFM International	CFM 56	Maintenance and alteration of engine component parts and subassemblies by application of metallic and ceramic coatings, machining, surface finishing, TIG and plasma arc welding, heat treatment, glass bead, ceramic bead and shot peening, electron beam welding, creep forming, and inspection in accordance with respective Federal Aviation Administration (FAA) approved overhaul manuals and/or repair data.

<u>Rating</u>	<u>Manufacturer</u>	<u>Make/Model</u>	<u>Limitations</u>
	Rolls Royce	RB211,AE-3007	Maintenance and alteration of engine component parts and subassemblies by application of metallic and ceramic coatings, machining, plating and surface treatment, surface finishing, TIG and plasma arc welding, heat treatment, glass bead, ceramic bead, and shot peening, electron beam welding, creep forming, cold expansion fatigue life enhancement, and inspection in accordance with respective Federal Aviation Administration (FAA) approved overhaul manuals and/or repair data.
	Honeywell International, Inc.	ATF3-Series	Maintenance and alteration of engine component parts and subassemblies by application of metallic and ceramic coatings, machining, plating and surface treatment, surface finishing, TIG and plasma arc welding, heat treatment, glass bead, ceramic bead, and shot peening, electron beam welding, creep forming, cold expansion fatigue life enhancement, and inspection in accordance with respective Federal Aviation Administration (FAA) approved overhaul manuals and/or repair data.
Accessories	Garrett	TSCP 700	Maintenance and repair of Garrett TSCP 700 APU Engine stage 2 and 3 compressor blades for United Airlines by application of metallic coatings, machining, TIG welding, surface finishing, ceramic bead and shot peening, heat treatment and inspection in accordance with respective Federal Aviation Administration (FAA) approved overhaul manuals and/or repair data.
	Honeywell	RE220	Maintenance and alteration of Honeywell RE220 APU component parts and subassemblies by application of metallic and ceramic coatings, machining, plating and surface treatment, surface finishing, TIG and plasma arc welding, heat treatment, glass bead, ceramic bead, and shot peening, electron beam welding, creep forming, cold expansion fatigue life enhancement, and inspection in accordance with respective Federal Aviation Administration (FAA) approved overhaul manuals and/or repair data.
	Honeywell International, Inc.	GTCP36 Series	Maintenance and alteration of Honeywell GTCP 36 Series APU component parts and subassemblies by application of metallic and ceramic coatings. Machining, plating and surface finishing, TIG and plasma arc welding, heat treatment, glass bead, ceramic bead, shot peening, electron beam welding, creep forming, cold expansion fatigue life enhancement and inspection in accordance with respective Federal Aviation Administration (FAA) approved overhaul manuals and/or repair data.
Landing Gear	Boeing	737, 757, 767	Maintenance and alteration of landing gear components

<u>Rating</u>	<u>Manufacturer</u>	<u>Make/Model</u>	<u>Limitations</u>
Components			and subassemblies by application of metallic and ceramic coatings, machining, surface finishing, TIG and plasma arc welding, heat treatment, glass bead, ceramic bead and shot peening, electron beam welding, creep forming and inspection in accordance with respective Federal Aviation Administration (FAA) approved overhaul manuals and/or repair data.
	McDonnell Douglas	MD-80	Maintenance and alteration of landing gear components and subassemblies by application of metallic and ceramic coatings, machining, surface finishing, TIG and plasma arc welding, heat treatment, glass bead, ceramic bead and shot peening, electron beam welding, creep forming and inspection in accordance with respective Federal Aviation Administration (FAA) approved overhaul manuals and/or repair data.
	PROCESS	AIRFRAME AND POWERPLANT COMPONENTS	
Thermal Spray Coating	Super Detonation Gun Plasma High Velocity Oxygen Fuel Detonation Gun		Authorization is limited to coatings and is to be accomplished in accordance with the manufacturer's maintenance manuals, Service Bulletins, Air Carrier Maintenance Manual (145.2) or other FAA approved technical data.
Machining & Welding	Machining Grinding Electron Beam Welding Manual Gas Tungsten-Arc Welding Plasma Arc Welding		Authorization is limited to machining & welding and is to be accomplished in accordance with the manufacturer's maintenance manuals, Service Bulletins, Air Carrier Maintenance Manual (145.2), or other FAA approved technical data.
	PROCESS	AIRFRAME AND POWERPLANT COMPONENTS	
Non- Destructive Testing	Visual Inspection Liquid Penetrant Magnetic Particle Inspection Ultrasonic Radiography Eddy Current		Authorization is limited to Non-Destructive Testing and is to be accomplished in accordance with the manufacturer's maintenance manuals, Service Bulletins, Air Carrier Maintenance Manual (145.2), or other FAA approved technical data.
Shot, Ceramic & Glass Bead	Fatigue strength,		Authorization is limited to shot, ceramic, and glass bead peening and is to be accomplished in accordance with

Operations Specifications

<u>Rating</u>	<u>Manufacturer</u>	<u>Make/Model</u>	<u>Limitations</u>
Peening	stress corrosion resistance and cleaning of surface		the manufacturer's maintenance manuals, Service Bulletins, Air Carrier Maintenance Manual (145.2), or other FAA approved technical data.
Prime & Paint	Boeing Material Standards Paint & Prime		Authorization is limited to prime & paint and is to be accomplished in accordance with the manufacturer's maintenance manuals, Service Bulletins, Air Carrier Maintenance Manual (145.2), or other FAA approved technical data.
Cadmium Plating	Low Hydrogen Embrittlement Cadmium		Authorization is limited to cadmium plating and is to be accomplished in accordance with the manufacturer's maintenance manuals, Service Bulletins, Air Carrier Maintenance Manual (145.2), or other FAA approved technical data.

Limited Ratings - Specialized Services

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

1. Issued by the Federal Aviation Administration .
2. Support information reference:
3. These Operations Specifications are approved by direction of the Administrator.



2011.06.29 10:12:00 Central Daylight Time
Location::WebOPSS
Digitally signed by Francis J Wesley,
Principal Maintenance Inspector (CE05)

4. Date Approval is effective: 06/29/2011 Amendment Number: 16
5. I hereby accept and receive the Operations Specifications in this paragraph.

Baker, Brett J., Plant Quality Manager

A handwritten signature in black ink, appearing to read "Brett J. Baker".

Date: 06/29/2011

A004. Summary of Special Authorizations and Limitations

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

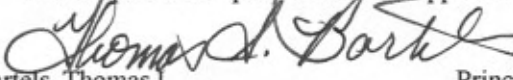
a. The certificate holder, in accordance with the reference paragraphs, is authorized to:

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

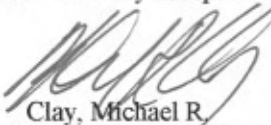
b. The certificate holder is *not* authorized and shall not:

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


Bartels, Thomas I. Principal Maintenance Inspector CE05

4. Date Approval is effective: 5/31/07 Amendment Number: 5
5. I hereby accept and receive the Operations Specifications in this paragraph.


Clay, Michael R. Plant Quality Manager Date: 5/31/07

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
Plant Quality Manager	Baker, Brett J.	A
General Manager	Magonegil, James	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
Baker, Brett J.	brett_baker@pas-technologies.com	816-556-4649	ALL

1. Issued by the Federal Aviation Administration .
2. Support information reference: Editing and formatting
3. These Operations Specifications are approved by direction of the Administrator.



2009.10.23 14:24:03 Central Daylight Time
Location: WebOPSS
Digitally signed by Thomas I Bartels.
Principal Maintenance Inspector

4. Date Approval is effective: 10/23/2009

Amendment Number: 12

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

Baker, Brett J., Plant Quality Manager

A handwritten signature in black ink, appearing to read "Brett J. Baker".

Date: 10/23/2009

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:	A2 (816) 556-4600
Address:	1234 Atlantic Street
Address:	
City:	North Kansas City
State:	MO
Zip code:	64116

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.



2010.08.02 10:52:41 Central Daylight Time
Location: WebOPSS
Digitally signed by Thomas I Bartels,
Principal Maintenance Inspector (CE05)

4. Date Approval is effective: 08/02/2010 Amendment Number: 7
5. I hereby accept and receive the Operations Specifications in this paragraph.

Baker, Brett J., Plant Quality Manager

A handwritten signature in black ink, appearing to read "Baker" with a stylized flourish.

Date: 08/02/2010
