

TABLE OF CONTENTS

PART A - General

| | HQ CONTROL DATE | EFFECTIVE DATE | AMENDMENT NUMBER |
|--------------------------------------------------------------------------------------------------------|--------------------|-------------------|---------------------|
| 1 Issuance and Applicability | 11/16/04 | 07/10/07 | 4 |
| 2 Definitions and Abbreviations | 11/16/04 | 07/03/06 | 3 |
| 3 Ratings and Limitations | 01/30/04 | 07/03/06 | 1 |
| 4 Summary of Special Authorizations and Limitations | 09/23/98 | 07/03/06 | 2 |
| 5 Exemptions | 02/20/98 | (Not used) | |
| 7 Designated Persons | 12/19/06 | 06/07/07 | 2 |
| 25 Electronic/Digital Recordkeeping System, Electronic/Digital Signature, and Electronic Media | 11/16/04 | (Not used) | |
| 60 European Aviation Safety Authority Ratings for Repair Stations Located Outside the United States | 11/16/04 | (Not used) | |
| 101 Additional Fixed Locations | 11/16/04 | (Not used) | |
| 449 Antidrug and Alcohol Misuse Prevention Program | 01/22/04 | 12/10/07 | 2 |

A001. Issuance and Applicability

HQ Control: 11/16/04
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:
1021 North 22nd Avenue
Phoenix, AZ 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 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.

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


Roberts, M. Craig

Principal Maintenance Inspector

WP07

4. Date Approval is effective: 7/10/07 Amendment Number: 4
5. I hereby accept and receive the Operations Specifications in this paragraph.


Bramstedt, Rick

FAA Accountable Manager, 145

Date: 7/10/07

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>OCM</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. |

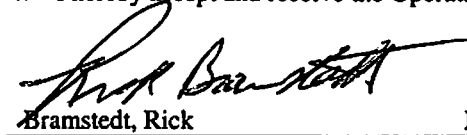
1. Issued by the Federal Aviation Administration.
2. These Operations Specifications are approved by direction of the Administrator.


Roberts, M. Craig

Principal Maintenance Inspector

WP07

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


Bramstedt, Rick

FAA Accountable Manager, 145

Date: 7/3/06

A003. Ratings and Limitations

HQ Control: 01/30/04
HQ Revision: 010

The Certificate Holder is authorized the following Ratings and/or Limitations:

Class Ratings

Limited Ratings

| <u>Rating</u> | <u>Manufacturer</u> | <u>Make / Model</u> | <u>Limitations</u> |
|----------------------------------------------------|------------------------------------------------|------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Airframe | From the accepted Capability List, as amended. | From the accepted Capability List, as amended. | Limited to the repair of piece parts by the grinding, plating, and coating processes listed in the Limited Ratings-Specialized Services of these Operation Specifications, using the listed specifications, approved manufacturers technical data, approved Process Specifications, or other methods, techniques, and practices acceptable to the Administrator. |
| PowerPlant | From the accepted Capability List, as amended. | From the accepted Capability List, as amended. | Limited to the repair of piece parts by the grinding, plating, and coating processes listed in the Limited Ratings-Specialized Services of these Operation Specifications, using the listed specifications, approved manufacturers technical data, approved Process Specifications, or other methods, techniques, and practices acceptable to the Administrator. |
| Accessories | From the accepted Capability List, as amended. | From the accepted Capability List, as amended. | Limited to the repair of piece parts by the grinding, plating, and coating processes listed in the Limited Ratings-Specialized Services of these Operation Specifications, using the listed specifications, approved manufacturers technical data, approved Process Specifications, or other methods, techniques, and practices acceptable to the Administrator. |
| Nondestructive Inspection, Testing, and Processing | | | Liquid Penetrant I/A/W ASTM-E-1417, BAC 5423, and AMS 2645, as revised. |

Limited Ratings

| <u>Rating</u> | <u>Manufacturer</u> | <u>Make / Model</u> | <u>Limitations</u> |
|----------------------|----------------------------|----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| | | | 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, ASTM-B-580, FP 5086, BAC 5716, PN 14.06, EMS 52486, AMS 2470, BAC 5019, P6444, GPS 7008-1, AMS 2471, AMS 2472, BAC 5022, BAC 5821 (Class 1 & 2), AMS 2468, AMS 2469, EMS 52401, EMS 52456, GPS 3204-1, GPS 3205-1. | |
| Alodine | MIL-C-5541, AMS 2473, BAC 5719, PN 14.12, EMS 52487, GPS 3200-1. | |
| Chrome Plating | QQ-C-320, ASTM-B-177, ASTM-B-630, ASTM-B-650, AMS 2406, BPS 4517, AMS 2438, FP 5027, EMS 52410, EMS 52443, EMS 52484, EMS 52486, BAC 5709, Boeing Standard Overhaul Practices Manual (Chapter 20), as revised. | |
| Passivation | MIL-S-5002, C 5041, PN 14.10, GPS 3000-1, BAC 5625, ASTM-A-967, ASTM-A-380. | |
| Solid Film Lubricant | MIL-L-8937, MIL-STD-186, AMS 3084, BAC 5811, MIL-L-23398, MIL-L-46010, EMS 52402, EMS 52481, MIL-L-81329, GPS 3211-1, GPS 7004-1. | |
| Paint | MIL-STD-1303, MIL-STD-171, FP 5025, BAC 5736, BAC 5845, MIL-P-6808, MIL-F-7179, MIL-C-8507, MIL-C-8514, MIL-P-14105, DOD-P-15328, MIL-F-18264, MIL-L-22751, MIL-P-23377, MIL-C-46081, MIL-E-82798, MIL-E-52835, GPS-3300-1, MIL-PFR-85285, Boeing Standard Overhaul Practices Manual (Chapter 20), as revised. | |
| Phosphate Coatings (Heavy, Manganese, or Zinc Base) | DOD-P-16232F, TT-C-490, BAC 5810. | |

Limited Ratings - Specialized Services

| <u>Rating</u> | <u>Specifications</u> | <u>Limitations</u> |
|----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------|
| Cleaning Methods | TT-C-490D, MIL-S-5002, ASTM-A-380, DOD-P-16232 | |
| Electroless Nickel Plating | HS 201, ASTM-B-656, ASTM-B-733, AMS 2404, AMS 2405, FP 2058, EMS 52404, EMS 52451, GPS 3108-1, GPS 7003-1, Boeing Standard Overhaul Practices Manual (Chapter 20), as revised. | |
| Cadmium Plating | MIL-STD-865, QQ-P-416, BAC 5701, BAC 5718, BAC 5854, ASM 2400, MIL-STD-870, Boeing Standard Overhaul Practices Manual (Chapter 20), as revised. | |
| Nickel Plating | MIL-STD-865, QQ-N-290, BAC 5746, AMS 2403, AMS 2424, AMS 2400, MIL-STD-870, Boeing Standard Overhaul Practices Manual (Chapter 20), as revised. | |
| Copper Plating | MIL-C-14550B, AMS 2418, FP 5023, BAC 5722. | |

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: 1

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


Bramstedt, Rick

FAA Accountable Manager, 145

Date: 7/3/06

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 |
|-------------------------------------------------------------------------------------------|------|

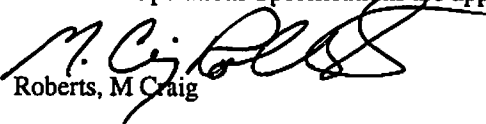
| | |
|------------------------------------------------------------------------------------------------------------------|------|
| Perform work, including continuous operations, at additional locations other than at its primary fixed location. | A101 |
|------------------------------------------------------------------------------------------------------------------|------|

| | |
|------------------------------------------------------------------------------------------|------|
| 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 |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|

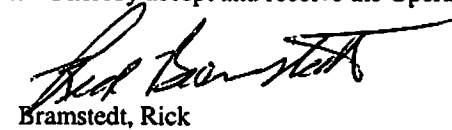
1. Issued by the Federal Aviation Administration.
2. These Operations Specifications are approved by direction of the Administrator.


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: 12/19/06
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 |
|---------------------------------------------|-------------------|------------------|
| FAA Accountable Manager, 145 / Site Manager | Bramstedt, Rick | A |
| Chief Inspector | Nida, Christopher | A |
| Quality Assurance Manager | Harkins, 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 |
|-----------------|-------------------------------------|---------------|--------------------------------|
| Bramstedt, Rick | rick_bramstedt@pas-technologies.com | 602-744-2615 | AW |
| Harkins, James | jim_harkins@pas-technologies.com | 602-744-2631 | AW |

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


Roberts, M. Craig

Principal Maintenance Inspector

WP07

4. Date Approval is effective: 6/7/07

Amendment Number: 2

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


Bramstedt, Rick

FAA Accountable Manager, 145

Date: 6/7/07

A449. Antidrug and Alcohol Misuse Prevention Program

HQ Control: 01/22/04
HQ Revision: 000

- 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 sightseeing operation as defined by 14 CFR §135.1(c).
- b. The certificate holder certifies that it will comply with the requirements of 14 CFR Part 121 appendices I and J 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 |
| Address: | |
| Address: | |
| 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 fewer than 50 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.

 for AWP-320
Roberts, M/Craig Principal Maintenance Inspector

WP07

4. Date Approval is effective: 12/10/07 Amendment Number: 2
5. I hereby accept and receive the Operations Specifications in this paragraph.


Bramstedt, Rick

FAA Accountable Manager, 145

Date: 12/10/07