

UNITED STATES OF AMERICA  
DEPARTMENT OF TRANSPORTATION  
FEDERAL AVIATION ADMINISTRATION

# Air Agency Certificate

*Number* I72R916X

*This certificate is issued to*  
INNOVATIVE SOLUTIONS AND SUPPORT, INC.

*whose business address is*

720 PENNSYLVANIA DRIVE  
EXTON, PA 19341-1129

*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 ACCESSORY  
LIMITED INSTRUMENT

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

*Date issued:*

JANUARY 27, 2004

*By direction of the Administrator*



THOMAS R. MARTIN

MANAGER, PHILADELPHIA FSDO-17

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: 11/16/04**  
**HQ Revision: 050**

- a. These operations specifications are issued to INNOVATIVE SOLUTIONS AND SUPPORT 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:

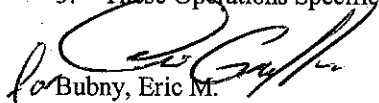
Fixed Location:  
720 Pennsylvania Drive  
Exton, PA 19341-1129

- b. The holder of these operations specifications is the holder of Certificate Number I72R916X 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.

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

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1. Issued by the Federal Aviation Administration.
  2. Support information reference: INTERNAL OFFICE AUDIT FOUND BASA INFORMATION NOT SHOWN
  3. These Operations Specifications are approved by direction of the Administrator.

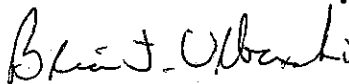
  
Bubny, Eric M.

Principal Avionics Inspector

EA17

4. Date Approval is effective: 7/10/08
5. I hereby accept and receive the Operations Specifications in this paragraph.

Amendment Number: 2



Urbanski, Brian J.

Vice President Quality Assurance

Date: 7/10/08

**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

**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.

**Limited Rating**

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 or data acceptable to 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.

**Maintenance**

The inspection, overhaul, repair, preservation, and the replacement of parts, but excludes preventive maintenance.

**Maintenance  
Implementation  
Procedures (MIP)**

Procedures for implementing the provisions of a BASA that apply to maintenance.

**MOE**

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.

**Preventive  
Maintenance**

As defined in Appendix A subparagraph (c) of 14 CFR Part 43.

**QCM**

Quality Control Manual

**RSM**

Repair Station Manual

**Substantial  
Maintenance**

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.

*Eric M. Bubny*

Bubny, Eric M.

Principal Avionics Inspector

EA17

3. Date Approval is effective: 2/17/05
4. I hereby accept and receive the Operations Specifications in this paragraph.

Amendment Number: 1

*Brian J. Urbanski*

Urbanski, Brian J.

Vice President Quality Assurance

Date: 2/17/05

**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**

<b><u>Rating</u></b>	<b><u>Manufacturer</u></b>	<b><u>Make/Model</u></b>	<b><u>Limitations</u></b>
Instruments- Electronic	Innovative Solutions & Support	Altimeter	9D-80110 all series 9D-01135 all series
		Airspeed Indicator	9D-80201 all series 9D-80210 all series 9D-01141 all series
	Altitude Alerter	9D-80301 all series 9D-80310 all series	
	Digital Air Data Computer	9B-81010 all series 9B-81020 all series 9D-81050 all series 9B-81090 all series	
	Air Data Sensor	9B-81103 all series	
	Air Data Display Unit	9D-80130 all series	
	Integrated Air Data Display Unit	9D-80170 all series	
	Air Data Module	9B-81070 all series	
	Analog Interface Unit	9B-81040 all series	
	Fuel Quantity Indicator	9D-80510 all series	
	Standby Engine Indicator	9D-80617 all series	
	Fuel Quantity Master Indicator	9D-00658 all series	
	Fuel Quantity Repeater	9D-00659 all series	

<u>Rating</u>	<u>Manufacturer</u>	<u>Make/Model</u>	<u>Limitations</u>
	Fuel Quantity Totalizer	9D-00884 all series	
	Installation Configuration Module	9B-03508 all series 9B-04293 all series 9B-06017 all series 9B-06758 all series 9B-06759 all series	
	Cockpit Information Portal	9D-84000 all series 9D-84011 all series 9D-84020 all series 9B-84021 all series 9D-84024 all series 9B-84025 all series 9D-84031 all series 9B-84032 all series 9D-84051 all series 9B-84052 all series 9D-84073 all series 9D-84078 all series 9B-84080 all series 9D-84086 all series 9D-84098 all series 9D-84100 all series	
	Cabin Display	9D-84500 all series	
	Display Control Panel	9D-05284 all series 9D-05522 all series	
	Auxiliary Control Panel	9D-86001 all series 9D-86002 all series	
Instruments - Mechanical	Caution Warning Advisory Panel	9D-80902 all series	
Accessories- Electrical	Inclinometer Kit	8B-07525 all series	
	Innovative Solutions & Support Harness	8E-02554 all series	
	Connector Kit	8E-02635 all series	
Instruments - Electronic	Air Data Interface Unit	9B-81078 all series	
	Installation Configuration Module	9B-07035 all series 9B-07686 all series	

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<u>Rating</u>	<u>Manufacturer</u>	<u>Make/Model</u>	<u>Limitations</u>
	Cockpit Information Panel	9B-81111 all series 9B-84082 all series 9B-84083 all series 9D-84095 all series 9B-84097 all series 9B-87006 all series	
	Display Control Panel	9D-86005 all series 9D-86006 all series	

**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.



2009.11.19 12:32:04 Central Standard Time  
Location: WebOPSS  
Digitally signed by Philip E Stauffer,  
Principal Avionics Inspector

4. Date Approval is effective: 11/19/2009

Amendment Number: 7

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

Urbanski, Brian J., Vice President Quality Assurance

*Brian J. Urbanski*

Date: 11/19/2009

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**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:**

Conduct operations choosing to have an antidrug and alcohol misuse prevention program. Reference Paragraphs  
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:**

Use Exemptions. A005

Use an approved electronic recordkeeping system, electronic/digital signature, and/or electronic media. A025

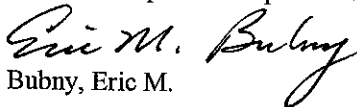
Perform maintenance with NAA ratings where the scope of work is authorized by a BASA/MIP. A060

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 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.

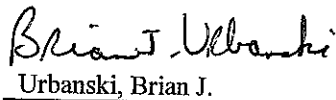
  
Bubny, Eric M.

Principal Avionics Inspector

EA17

3. Date Approval is effective: 2/17/05
4. I hereby accept and receive the Operations Specifications in this paragraph.

Amendment Number: 2

  
Urbanski, Brian J.

Vice President Quality Assurance

Date: 2/17/05

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**

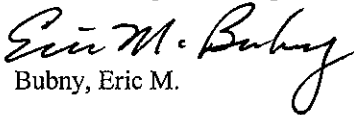
Title	Name	Parts Authorized
Vice President Quality Assurance	Urbanski, Brian J.	A,D
Director of Maintenance / President	Ptakowski, Roman	A,D

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
Urbanski, Brian J.	burbanski@innovative-ss.com	610-646-9800	ALL

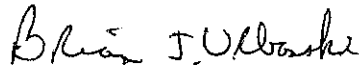
1. Issued by the Federal Aviation Administration.
2. These Operations Specifications are approved by direction of the Administrator.

  
Bubny, Eric M.

Principal Avionics Inspector

EA17

3. Date Approval is effective: 1/5/07 Amendment Number: 2
4. I hereby accept and receive the Operations Specifications in this paragraph.



Urbanski, Brian J.

Vice President Quality Assurance

Date: 1/5/07

**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**

	<b>Location &amp; Telephone of Antidrug and Alcohol Misuse Prevention Program Records:</b>
<b>Telephone Number:</b>	A1 (610-363-2722)
<b>Address:</b>	MedCenter 100
<b>Address:</b>	625 North Pottstown Pike
<b>City:</b>	Exton
<b>State:</b>	PA
<b>Zip code:</b>	19341

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.



2009.11.19 12:30:49 Central Standard Time  
Location: WebOPSS  
Digitally signed by Philip E Stauffer,  
Principal Avionics Inspector

4. Date Approval is effective: 11/19/2009

Amendment Number: 4

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

Urbanski, Brian J., Vice President Quality Assurance

*Brian J. Urbanski*

Date: 11/19/2009

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PART D - Additional Maintenance Authorizations & Limitations

		HQ CONTROL DATE	EFFECTIVE DATE	AMENDMENT NUMBER
100	Work to be Performed at a Place Other Than the Repair Station Fixed Location(s)	11/16/04	02/17/05	0
107	Line Maintenance Authorization	11/16/04	(Not used)	

**D100. Work to be Performed at a Place Other Than the  
Repair Station Fixed Location(s)**

HQ Control: 11/16/04  
HQ Revision: 050

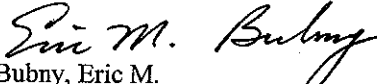
- a. The certificate holder may perform work at a place other than its Fixed Location (as listed in paragraph A001, and paragraph A101 if issued, of these operations specifications) provided it has the facilities, material, equipment and technical personnel to perform the work authorized in the following table.

Table 1

Work Authorized	Repair Stations Manual References	Quality Control Manual References
All services for which the repair station is rated.	Section 2.2	Section 2.2

- 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.

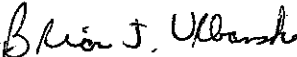
1. Issued by the Federal Aviation Administration.  
2. These Operations Specifications are approved by direction of the Administrator.

  
Bubny, Eric M.

Principal Avionics Inspector

EA17

3. Date Approval is effective: 2/17/05 Amendment Number: 0  
4. I hereby accept and receive the Operations Specifications in this paragraph.

  
Urbanski, Brian J.

Vice President Quality Assurance

Date: 2/17/05