

UNITED STATES OF AMERICA
DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

Air Agency Certificate

Number BU5Y766M

This certificate is issued to

RUAG AEROSPACE SERVICES GMBH

whose business address is

**OBERPFAFFENHOFEN-FLUGPLATZ
82234 WESSLING, GERMANY**

*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 (November 28, 1994)

LIMITED POWERPLANT

LIMITED RADIO (October 28, 1997)

LIMITED INSTRUMENTS (August 7, 1998)

LIMITED ACCESSORIES (September 3, 1993)

**LIMITED NON-DESTRUCTIVE INSPECTION, TESTING, AND PROCESSING
(November 28, 1994)**

*This certificate, unless canceled, suspended, or revoked,
shall continue in effect* **UNTIL OCTOBER 31, 2012.**

Date issued:

JUNE 1, 1978

By direction of the Administrator


NOEL E. ARBIS

ASSISTANT MANAGER, EA-33

**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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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 RUAG AEROSPACE SERVICES GMBH, a Foreign 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:
Oberpfaffenhofen-Flugplatz
Wessling, 82234
Germany

Mailing Address:
Postfach 1253
Wessling, Germany
82231

b. The holder of these operations specifications is the holder of Certificate Number BU5Y766M 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 10/31/2012 , unless sooner 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 U.S.-registered aircraft under the terms and conditions of a Bilateral Aviation Safety Agreement and associated Maintenance Implementation Procedures Agreement between the United States Government and a Government identified in Advisory Circular 145-7, 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: 11/16/2004

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
Geographic
Authorization**

A certificated repair station located outside of the United States.

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.

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	Cessna	500 Series 650 Series 680 Series	
	Bombardier	CL-600 Series	
	Bombardier	BD-700 Series, BD-100-1A10	
	Dornier	27, 28, 128, 228 Series	
	Embraer	EMB-135	
PowerPlant	Pratt & Whitney	JT-15D Series	Excludes major overhauls and alterations of engines and modules.
	General Electric	CF-34 Series	Excludes major overhauls and alterations of engines and modules.
	Williams-Rolls	FJ44 Series	Excludes major overhauls and alterations of engines and modules.
	Allied Signal (Garret)	TFE 731 Series TPE 331 Series ALF-502 Series	Excludes major overhauls and alterations of engines and modules.
Radio	From the accepted Capability List, as amended.	From the accepted Capability List, as amended.	Limited to the radios listed in the RUAG Aerospace Services GmbH Capability List, document No. VA-IB-015, dated September 2004, as revised and accepted.
	Transponder Systems		Limited to perform ATC transponder tests

<u>Rating</u>	<u>Manufacturer</u>	<u>Make/Model</u>	<u>Limitations</u>
			and inspections, including Mode-S, in accordance with FAR 43, Appendix F, as revised.
Instruments	From the accepted Capability List, as amended.	From the accepted Capability List, as amended.	Limited to the instruments listed in the RUAG Aerospace Services GmbH Capability List, document No. VA-IB-015, dated September 2004, as revised and accepted.
	Altimeter and Static Systems		Limited to perform (Static Systems, Altimeter Instrument, Automatic Pressure Altitude Reporting System) tests and inspections in accordance with FAR 43, Appendix F, as revised.
Accessories	From the accepted Capability List, as amended.	From the accepted Capability List, as amended.	Limited to the accessories listed in the RUAG Aerospace Services GmbH Capability List, document No. VA-IB-015, dated September 2004, as revised and accepted.
	Allied Signal Engines	GTCP 36-100 APU GTCP 36-150 APU	Limited to minor overhaul and modifications.
Nondestructive Inspection, Testing, and Processing	Eddy Current Liquid Penetrant Magnetic Particle Radiography Ultrasonic		All non-destructive testing personnel qualifications and certification must be in accordance with AIA-NAS-410 or FAA approved equivalent. All non-destructive inspection and testing listed must be accomplished in accordance with appropriate and current data that has been approved or accepted by the FAA.

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.



2010.09.28 01:10:46 Central Daylight Time
Location: WebOPSS
Digitally signed by Patrick Harkins,
Principal Maintenance Inspector (EA33)

4. Date Approval is effective: 11/01/2010 Amendment Number: 8
5. I hereby accept and receive the Operations Specifications in this paragraph.

Neumann, Wolfgang, FAA Accountable Manager, 145

Date: 09/28/2010

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

	Reference Paragraphs
Use Exemptions.	A005
Use an approved electronic recordkeeping system, electronic/digital signature, and/or electronic media.	A025
Perform work, including continuous operations, at additional locations other than at its primary fixed location.	A101
Conduct operations choosing to have an antidrug and alcohol misuse prevention program.	A449
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

A060 . European Aviation Safety Authority Ratings for Repair Stations Located Outside the United States **HQ Control: 11/16/2004**
HQ Revision: 010

- a. The certificate holder is authorized the following European Aviation Safety Authority ratings where the scope of work is authorized by the appropriate NAA form.
- (1) EASA ratings are limited by type and weight of aircraft
 - (2) A rating may be issued for base or line maintenance
 - (3) Rotors are also listed under components (C-10) and transmissions (C-11)
- b. The certificate holder is authorized the following EASA Aircraft Ratings per the scope of work identified on the applicable EASA Form 3:

EASA AIRCRAFT RATINGS	SCOPE OF WORK AUTHORIZED
A-1 Aeroplanes/Airships (above 5700 kg)	DE.145.0002
A-2 Aeroplanes/Airships (5700 kg & below)	DE.145.0002

- c. The certificate holder is authorized the following EASA Engine and APU Ratings per the scope of work identified on the applicable EASA Form 3:

EASA ENGINE RATINGS	SCOPE OF WORK AUTHORIZED
B-1 Turbine	DE.145.0002
B-3 APU	DE.145.0002

- d. The certificate holder is authorized the following EASA Ratings for Components other than complete engines or APU per the scope of work identified on the applicable EASA Form 3:

EASA RATINGS FOR COMPONENTS	SCOPE OF WORK AUTHORIZED
C-1 Air Cond & Pres	DE.145.0002
C-2 Auto Flight	DE.145.0002
C-3 Comms & Nav	DE.145.0002
C-4 Doors & Hatches	DE.145.0002
C-5 Electrical Power	DE.145.0002
C-6 Equipment	DE.145.0002
C-7 Engine-APU	DE.145.0002
C-8 Flight Controls	DE.145.0002
C-9 Fuel-Airframe	DE.145.0002
C-12 Hydraulic	DE.145.0002
C-13 Instruments	DE.145.0002
C-14 Landing Gear	DE.145.0002
C-15 Oxygen	DE.145.0002
C-17 Pneumatic	DE.145.0002
C-18 Protection	DE.145.0002

EASA RATINGS FOR COMPONENTS	SCOPE OF WORK AUTHORIZED
C-20 Structural	DE.145.0002

- e. The certificate holder is authorized the following EASA Ratings for specialized services per the scope of work identified on EASA Form 3:

EASA RATINGS FOR SPECIALIZED SERVICES	SCOPE OF WORK AUTHORIZED
D-1 Nondestructive Inspection (NDI)	DE.145.0002

1. Issued by the Federal Aviation Administration .
2. Support information reference:
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2010.09.28 01:10:55 Central Daylight Time
Location: WebOPSS
Digitally signed by Patrick Harkins,
Principal Maintenance Inspector (EA33)

4. Date Approval is effective: 11/01/2010 Amendment Number: 8
5. I hereby accept and receive the Operations Specifications in this paragraph.

Neumann, Wolfgang, FAA Accountable Manager, 145

Date: 09/28/2010

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Part D

	HQ CONTROL DATE	EFFECTIVE DATE	AMENDMENT NUMBER
100 Work to be Performed at a Place Other Than the Repair Station Fixed Location(s)	11/16/2004	11/01/2010	6

D100 . Work to be Performed at a Place Other Than the Repair Station Fixed Location(s) HQ Control: 11/16/2004
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
Aircraft on Ground (AOG)	FAA Supplement VA-1B 011 Item 5(c)	FAA Supplement VA-1B 011 Item 5(c)

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



2010.09.28 01:10:58 Central Daylight Time
Location: WebOPSS
Digitally signed by Patrick Harkins,
Principal Maintenance Inspector (EA33)

4. Date Approval is effective: 11/01/2010 Amendment Number: 6
5. I hereby accept and receive the Operations Specifications in this paragraph.

Neumann, Wolfgang, FAA Accountable Manager, 145

Date: 09/28/2010

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	Cessna	500 Series 650 Series 680 Series	
	Bombardier	CL-600 Series	
	Bombardier	BD-700 Series, BD-100-1A10	
	Dornier	27, 28, 128, 228 Series	
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PowerPlant	Pratt & Whitney	JT-15D Series	Excludes major overhauls and alterations of engines and modules.
	General Electric	CF-34 Series	Excludes major overhauls and alterations of engines and modules.
	Williams-Rolls	FJ44 Series	Excludes major overhauls and alterations of engines and modules.
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Radio	From the accepted Capability List, as amended.	From the accepted Capability List, as amended.	Limited to the radios listed in the RUAG Aerospace Services GmbH Capability List, document No. VA-IB-015, dated September 2004, as revised and accepted.
	Transponder Systems		Limited to perform ATC transponder tests

<u>Rating</u>	<u>Manufacturer</u>	<u>Make/Model</u>	<u>Limitations</u>
			and inspections, including Mode-S, in accordance with FAR 43, Appendix F, as revised.
Instruments	From the accepted Capability List, as amended.	From the accepted Capability List, as amended.	Limited to the instruments listed in the RUAG Aerospace Services GmbH Capability List, document No. VA-IB-015, dated September 2004, as revised and accepted.
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Limited Ratings - Specialized Services

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

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Neumann, Wolfgang, FAA Accountable Manager, 145

Date: 09/28/2010

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

	Reference Paragraphs
Use Exemptions.	A005
Use an approved electronic recordkeeping system, electronic/digital signature, and/or electronic media.	A025
Perform work, including continuous operations, at additional locations other than at its primary fixed location.	A101
Conduct operations choosing to have an antidrug and alcohol misuse prevention program.	A449
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

