

UNITED STATES OF AMERICA
DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

Air Agency Certificate

Number CHIR823C

This certificate is issued to
COLUMBIA HELICOPTERS, INC.

whose business address is
14452 ARNDT ROAD NE
AURORA STATE AIRPORT
AURORA, OREGON 97002

*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:

AIRFRAME, RADIO 08-08-74, ACCESSORIES 10-21-76,
INSTRUMENT 04-28-92, LIMITED POWERPLANT 10-29-93,
LIMITED AIRFRAME 03-31-99, LIMITED LANDING GEAR 02-17-01,
LIMITED NON-DESTRUCTIVE TESTING 02-17-01,
LIMITED SPECIALIZED SERVICES 02-17-01,
LIMITED ROTOR BLADES 02-17-01

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

Date issued:

JANUARY 30, 1967

Reissue: MARCH 8, 2004

By direction of the Administrator


LARRY S. BIRD

MANAGER, NM-FSDO-09

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 Columbia Helicopters, 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:
14452 Arndt Road NE
Aurora State Airport
Aurora, OR 97002

Mailing Address:
PO Box 3500
Portland, OR 97208

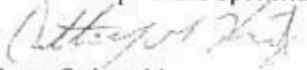
- b. The holder of these operations specifications is the holder of Certificate Number CHIR823C and shall hereafter be referred to as the certificate holder.
- c. These operations specifications are issued as part of this Repair Station Certificate, and are in effect as of the Date Approval is effective. 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.

NONE

Delegated authorities: None

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

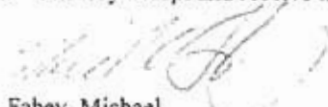

Kurtz, Cathryn M.

Principal Maintenance Inspector

NM09

3. Date Approval is effective: 1/25/05
4. I hereby accept and receive the Operations Specifications in this paragraph.

Amendment Number: 5


Fahey, Michael

FAA Accountable Manager, 145

Date: 1/25/05

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**

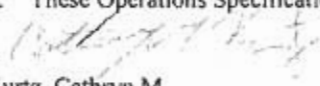
An approval provided to a foreign repair station to perform maintenance support under contract for a U.S. air carrier, or operator of U.S. - registered aircraft under 14 CFR Part 129, at a location other than the repair station facility. A geographic authorization is issued by the FAA to respond to the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

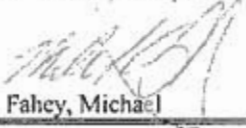
1. Issued by the Federal Aviation Administration.
2. These Operations Specifications are approved by direction of the Administrator.


Kurtz, Cathryn M.

Principal Maintenance Inspector

NM09

3. Date Approval is effective: 1/25/05 Amendment Number: 2
4. I hereby accept and receive the Operations Specifications in this paragraph.


Fahcy, Michael

FAA Accountable Manager, 145

Date: 1/25/05

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

Airframe Class 1: Composite Construction of Small Aircraft
 Airframe Class 3: All-Metal Construction of Small Aircraft
 Radio Class 1: Communications Equipment
 Radio Class 2: Navigational Equipment
 Radio Class 3: Radar Equipment
 Instrument Class 1: Mechanical
 Instrument Class 2: Electrical
 Instrument Class 3: Gyroscopic
 Instrument Class 4: Electronic
 Accessory Class 1: Mechanical Accessories
 Accessory Class 2: Electrical Accessories
 Accessory Class 3: Electronic Accessories

Limited Ratings

<u>Rating</u>	<u>Manufacturer</u>	<u>Make / Model</u>	<u>Limitations</u>
Airframe	Sikorsky	CH-54, S-55, S-58, S-61, S-64, S-76	None
Airframe	Boeing Vertol	107 II Series and 234 Series	None
Airframe	Kawasaki	KV 107 II Series	None
Airframe	Bell	214 Series	None
Airframe	Acrospatiale	AS332C	None
Airframe	Fokker	F-28	Airframe Structural Repair of Components
Landing Gear Components	DeHavilland	DHC-8	None
Landing Gear Components	Gulfstream	GII Series	None
Nondestructive Inspection, Testing, and Processing-Magnetic Particle	N/A	N/A	ASTM-E-1444, as revised
Nondestructive Inspection, Testing, and Processing-Liquid Penetrant	N/A	N/A	ASTM-E-1417, as revised
Nondestructive Inspection, Testing, and Processing-Radiographic	N/A	N/A	ASTM-E-1742, as revised
Nondestructive Inspection, Testing, and Processing-Eddy Current	N/A	N/A	BSS-7048, as revised
PowerPlant	General Electric	58 Series	None
PowerPlant	Ishikawajima-Harima Heavy Industries Company, LTD	CT58-140 Series	None

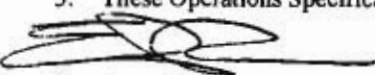
Limited Ratings

Rating	Manufacturer	Make / Model	Limitations
PowerPlant	Honeywell	AL5512 Series	Except Overhaul
PowerPlant	Allison	250, C18, C20, and C30	Models C18/C30 - Except overhaul
PowerPlant	Honeywell	T53 Series	Except Overhaul
PowerPlant	Pratt and Whitney	T73 Series	Except Overhaul
PowerPlant	Sundstrand Power Systems	T-62T	PowerPlant Overhaul of Auxiliary Power Unit
Rotor Blades	Fairchild Hiller	All Makes/Models	Rotor Blades Main Rotor Blades and Major Repairs in accordance with AD 86-22-04, as revised

Limited Ratings - Specialized Services

Rating	Specifications	Limitations
Plastic Media Blasting	CHI Procedures - CHI-QCP-32	Aircraft and Aircraft Components

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


Ramseyer, Erik D.

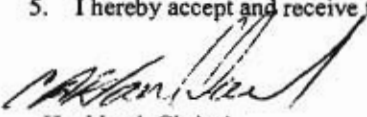
Principal Maintenance Inspector

NM09

4. Date Approval is effective: 6/27/08

Amendment Number: 3

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


Hankland, Chris A.

Chief Inspector

Date: 6/27/08

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


Ramseyer, Erik D.

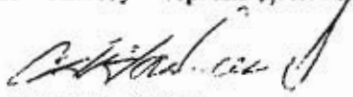
Principal Maintenance Inspector

NM09

4. Date Approval is effective: 6/27/08

Amendment Number: 4

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


Hankland, Chris A.

Chief Inspector

Date: 6/27/08

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

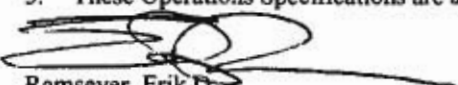
Title	Name	Parts Authorized
Agent for Service / President	Fahey, Michael	A,D
Chief Inspector / Director of Quality	Hankland, Chris A.	A,D
FAA Accountable Manager, 145 / Accountable Manager	Fahey, Michael	A,D

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
Nicklaus, Chad T.	chadn@colheli.com	503 678-1222	ALL
Hankland, Chris	chrishan@colheli.com	503 678-1222	ALL

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


Ramseyer, Erik D.

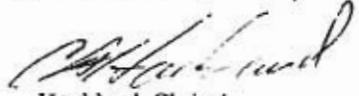
Principal Maintenance Inspector

NM09

4. Date Approval is effective: 6/27/08

Amendment Number: 4

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


Hankland, Chris A.

Chief Inspector

Date: 6/27/08

A101. Additional Fixed Locations

HQ Control: 11/16/04
HQ Revision: 010

- a. The certificate holder may perform work at the following additional fixed location(s) listed in Table 1, provided it has the facilities, material, equipment and technical personnel to perform the work authorized:

Table 1

Additional Location Address(es)				
Address	City	State	Country	Postal Code
20350 Arndt Rd. NE	Aurora	OR	UNITED STATES	97002

- b. This authorizes the certificate holder to use multiple locations to perform its operations under a single certificate.
- c. This authorization does not constitute a geographic authorization for work performed at another location.
- d. The certificate holder may perform continuous operations at the facilities listed in Table 1 above.
- e. Privileges of a line station, as set forth by any EASA line station rating, are authorized at these locations, as applicable.
- f. All the authorizations and exemptions authorized for the certificate holder apply at these locations, as applicable.

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


Kurtz, Cathryn M.

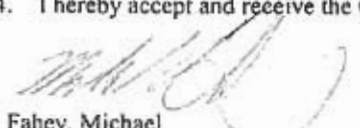
Principal Maintenance Inspector

NM09

3. Date Approval is effective: 1/25/05

Amendment Number: 1

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


Fahey, Michael

FAA Accountable Manager, 145

Date: 1/25/05

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

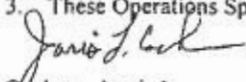
	Location & Telephone of Antidrug and Alcohol Misuse Prevention Program Records:
Telephone Number:	A3 (503) 678-1222
Address:	14452 Arndt Road
Address:	N/A
City:	Aurora
State:	OR
Zip code:	97002

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.


Cochran, Jarvis L.

Principal Avionics Inspector

NM09

4. Date Approval is effective: 7/16/09 Amendment Number: 3
5. I hereby accept and receive the Operations Specifications in this paragraph.


Hankland, Chris A.

Chief Inspector

Date: 7/16/09

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

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

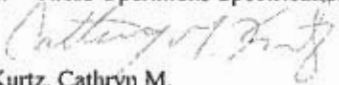
- a. The certificate holder may perform work at a place other than its Fixed Location (as listed in paragraph A001, and paragraph A101 if issued, of these operations specifications) provided it has the facilities, material, equipment and technical personnel to perform the work authorized in the following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

Table 1

Work Authorized	Repair Stations Manual References	Quality Control Manual References
Repair Station will provide maintenance service for work for which it is rated in accordance with Columbia Helicopters, Inc. Repair Station Manual, as revised, and Quality Control Manual, as revised.	Columbia Helicopters, Inc. Repair Station Manual, as revised.	Columbia Helicopters Inc. Quality Control Manual, as revised.

- 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.


Kurtz, Cathryn M.

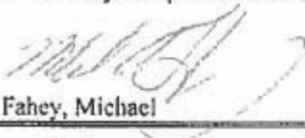
Principal Maintenance Inspector

NM09

3. Date Approval is effective: 1/25/05

Amendment Number: 2

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


Fahey, Michael

FAA Accountable Manager, 145

Date: 1/25/05