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A001 . Issuance and Applicability

HQ Control: 02/11/2016

HQ Revision: 05e

a. These operations specifications are issued to Chronos Aviation, LLC., a Repair Station located in the United States, pursuant to 14 CFR Part 145, § 145.53. The repair station certificate holder shall conduct operations in accordance with 14 CFR Part 145 and these operations specifications.

The certificate holder's address:

Fixed Location:
Chicago Rockford International Airport
5121 Falcon Road
Rockford, Illinois 61109

Mailing Address:
Chicago Rockford International
Airport
5121 Falcon Road
Rockford, Illinois 61109

b. The holder of these operations specifications is the holder of certificate number E81R759X 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 these operations specifications shall remain in effect until the certificate for a repair station that is located in the United States is surrendered, suspended, or revoked.

d. U.S./EU Aviation Safety Agreement Repair Station/Maintenance Organization Approvals not authorized.

e. The certificate holder is authorized to conduct the operations described in subparagraph a under the following other business names:

Emery Air, Inc.
Delegated authorities: None

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



Digitally signed by Victor C Liberatore, Principal Maintenance Inspector (GL03)
[1] SUPPORT INFO: Change in Ownership
[2] EFFECTIVE DATE: 9/25/2019, [3] AMENDMENT #: 15
DATE: 2019.09.25 10:00:56 -05:00

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

Digitally signed by Gerald H Shutrump, Director of Quality
[1] SUPPORT INFO: Change of owner, name & address of the Repair Station
DATE: 2019.09.04 13:48:51 -05:00

A002 . Definitions and Abbreviations

HQ Control: 12/14/2017

HQ Revision: 05d

Unless otherwise defined in these operations specifications, all words, phrases, definitions, and abbreviations have identical meanings to those used in 14 CFR and 49 U.S.C., 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.

BASA	The Bilateral Aviation Safety Agreement (BASA) is 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" means 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.
CAAS	Civil Aviation Authority of Singapore
CFR	Code of Federal Regulations
Class Rating	As used with respect to the certification, ratings, privileges of airframes, powerplants, propellers, radios, instruments, and accessories within a category having similar operating characteristics.
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.
EU	European Union
Exemption	An authorization that permits an alternate means of compliance with a specific CFR. The exemption must meet the procedural requirements of 14 CFR Part 11.
FOCA	Federal Office of Civil Aviation
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.

Geographic Authorization	Authorization provided to a repair station located outside the United States to perform maintenance support under contract for a U.S. air carrier (or an operator of U.S.- registered aircraft under 14 CFR Part 129) at a location other than the repair station's main facility. A geographic authorization is issued by the FAA to respond to a U.S. air carrier's or Part 129 foreign operator's need 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.
Limited Rating	A 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 approved by 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.
MAG	The Maintenance Annex Guidance (MAG) defines the process that the FAA and EASA undertake in the inspection, findings of compliance certification, and monitoring of repair stations, as well as their joint cooperation in quality assurance and standardization activities in support of the EASA Agreement, Annex 2, Maintenance. The term Maintenance Agreement Guidance (MAG) defines the processes and activities applicable to a specific country under an MIP, and is not associated with the EASA Agreement.
Maintenance	The inspection, overhaul, repair, preservation, and replacement of parts, but excludes preventive maintenance.
U.S./EU Aviation Safety Agreement, Annex 2, Maintenance	Annex 2 covers the reciprocal acceptance of findings of compliance, approvals, documentation and technical assistance regarding approvals and the monitoring of repair stations/maintenance organizations.
MIP	Maintenance Implementation Procedures (MIP) are procedures for implementing the provisions of a BASA that apply to maintenance performed under 14 CFR Part 145, Section 145.53(b).
MOE	A maintenance organization exposition (MOE) pertains to procedural manuals used by maintenance organizations certificated by a foreign country. The MOE along with the FAA Supplement, sets forth the structure and procedures of the repair station to meet the requirements of 14 CFR Part 145 under a MIP.

Preventive Maintenance	As defined in 14 CFR part 1 and part 43 appendix A, subparagraph (c).
QCM	Quality Control Manual
Repair Station located in the United States	A FAA certificated repair station located in the United States.
Repair Station located outside the United States	A FAA certificated repair station located outside of the United States.
RSM	Repair Station Manual

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1. The Certificate Holder applies for the Operations in this paragraph.
 2. These Operations Specifications are approved by direction of the Administrator.



Digitally signed by Victor C Liberatore, Principal Maintenance Inspector (GL03)
[1] SUPPORT INFO: Change in ownership and Name
[2] EFFECTIVE DATE: 9/25/2019, [3] AMENDMENT #: 11
DATE: 2019.09.25 10:06:35 -05:00

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

Digitally signed by Gerald H Shutrump, Director of Quality
[1] SUPPORT INFO: Change of ownership, name and address.
DATE: 2019.09.25 10:05:30 -05:00

A003 . Ratings and Limitations

HQ Control: 04/03/2017

HQ Revision: 01a

The certificate holder is authorized the following Ratings and/or Limitations:

Class Ratings

Airframe Class 3: All-Metal Construction of Small Aircraft

Airframe Class 4: All-Metal Construction of Large Aircraft

Radio Class 1: Communications Equipment

Radio Class 2: Navigational Equipment

Radio Class 3: Radar Equipment

Limited Ratings

<u>Rating</u>	<u>Manufacturer</u>	<u>Make/Model</u>	<u>Limitations</u>
Airframe	From the Capability List, as amended.	From the Capability List, as amended.	Limited to maintenance and inspection in accordance with the Manufacturer's Maintenance Manuals or other FAA approved data.
PowerPlant	From the accepted Capability List, as amended.	From the accepted Capability List, as amended.	Limited to Field Maintenance, excluding Overhaul, as defined in the Engine Maintenance Manual.
Instruments	From the accepted Capability List, as amended.	From the accepted Capability List, as amended.	Autopilot System - No Gyroscopic Repair
	All Manufacturers	All Makes and Models	Limited to test and inspection of altimeter and altitude reporting systems for compliance with 14 CFR Part 91.411, in accordance with 14 CFR Part 43, Appendix E and Aircraft Maintenance Manual.
	All Manufacturers	All Makes and Models	Limited to testing and inspection of Reduced Vertical Separation Minimum (RVSM) altimeter and altitude reporting systems in accordance with aircraft owner/operator approved RVSM maintenance manual and 14 CFR part 91,

<u>Rating</u>	<u>Manufacturer</u>	<u>Make/Model</u>	<u>Limitations</u>
			Appendix G.
Accessories	From the accepted Capability List, as amended.	From the accepted Capability List, as amended.	Limited to maintenance and inspection in accordance with the Manufacturer's Maintenance Manuals or other FAA approved data.
Nondestructive Inspection, Testing, and Processing		Liquid Penetrant Test (PT), ASTM E 1417, As Amended.	Use the methods, techniques, and practices prescribed in the current manufacturers maintenance manual or Instructions for Continued Airworthiness, or other methods, techniques, and practices acceptable to the Administrator. Inspections to be accomplished in accordance with the Emery Air, Inc. Non Destructive Testing Procedures Manual.
		Magnetic Particle Testing IAW ASTM E1444 and Emery Air Procedures	Use the methods, techniques, and practices prescribed in the current manufacturers maintenance manual or Instructions for Continued Airworthiness, or other methods, techniques, and practices acceptable to the Administrator. Inspections to be accomplished in accordance with the Emery Air, Inc. Non Destructive Testing Procedures Manual.
		Eddy Current Inspection (ET). MIL-HDBK-728/2, As Amended.	Use the methods, techniques, and practices prescribed in the current manufacturers maintenance manual or Instructions for Continued Airworthiness, or other methods, techniques, and practices acceptable to the Administrator. Inspections to be accomplished in accordance with the Emery Air, Inc. Non Destructive Testing Procedures Manual.

Limited Ratings - Specialized Services

<u>Rating</u>	<u>Specifications</u>	<u>Limitations</u>
Cleaning Processes	Leather Seat Touch Up, in accordance with Process Specification BAC5755, and Emery Air Process for Preventative Maintenance Application of SEM Products, Inc. SEM SURE-COAT 1600 Series waterborne coating system to leather upholstery.	For Touch-Up only using SEMS Product Inc., Sure Coat.
Welding	In accordance with Advisory Circular 43.13-1B, American Welding Society Specification AWS D17.1, and manufacturer's instructions, all documents as amended.	Use the methods, techniques, and practices prescribed in the current manufacturers maintenance manual, or Instructions for Continued Airworthiness, or other methods, techniques, and practices acceptable to the Administrator.

<u>Rating</u>	<u>Specifications</u>	<u>Limitations</u>
Machining	Fabrication of small bushings, sleeves and freeze plugs in accordance with Original Equipment Manufacturers, Designated Engineering Representative or Air Carrier provided data.	Repair limitations as contained in the referenced Civil specification.

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



Digitally signed by Victor C Liberatore, Principal Maintenance Inspector (GL03)
[1] SUPPORT INFO: Change in Ownership
[2] EFFECTIVE DATE: 9/25/2019, [3] AMENDMENT #: 33
DATE: 2019.09.25 10:00:57 -05:00

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

Digitally signed by Gerald H Shutrump, Director of Quality
[1] SUPPORT INFO: Change of owner, name and address of Repair Station.
DATE: 2019.09.04 14:34:31 -05:00

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
Use an acceptable 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 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
Perform maintenance with ratings for repair stations located outside the United States under a Bilateral Aviation Safety Agreement with Maintenance Provisions.	A060
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 non-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.



Digitally signed by Victor C Liberatore, Principal Maintenance Inspector (GL03)
[1] SUPPORT INFO: Change in Ownership
[2] EFFECTIVE DATE: 9/25/2019, [3] AMENDMENT #: 14
DATE: 2019.09.25 10:00:57 -05:00

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

Digitally signed by Gerald H Shutrump, Director of Quality
[1] SUPPORT INFO: Change of ownership, name and address of the Repair Station.
DATE: 2019.09.04 15:11:22 -05:00

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
Chief Inspector / Director of Quality	Shutrump, Gerald H	A,D
FAA Accountable Manager, 145 / General Manager	Schmidt, Kevin	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
Gerald Shutrump	gshutrump@chronos-aero.com	815-986-2174	ALL

1. The Certificate Holder applies for the Operations in this paragraph.
2. These Operations Specifications are approved by direction of the Administrator.



Digitally signed by Victor C Liberatore, Principal Maintenance Inspector (GL03)
[1] SUPPORT INFO: Change Accountable Manager Bob Pike > Kevin Schmidt
[2] EFFECTIVE DATE: 11/25/2019, [3] AMENDMENT #: 19
DATE: 2019.11.25 13:25:59 -06:00

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

Digitally signed by Gerald H Shutrump, Director of Quality
[1] SUPPORT INFO: Change of Accountable Manager from Bob Pike to Kevin
Schmidt
DATE: 2019.11.25 08:06:53 -06:00

**A025 . Electronic/Digital Recordkeeping System,
Electronic/Digital Signature, and Electronic Media**

HQ Control: 04/03/2017

HQ Revision: 00b

a. The certificate holder is authorized to use an acceptable electronic/digital recordkeeping system, described and/or referenced in this paragraph (if none, enter N/A.)

Chronos Aviation LLC is authorized to use electronic/digital recordkeeping in accordance with the process and procedures listed in Section 1.5 Electronic Records, of the Emery Air Repair Station Manual, R-4, dated 4-1-2018 or subsequent FAA accepted revision.

b. The certificate holder is authorized the use of the following electronic/digital signature procedures (if none, enter "N/A").

N/A

c. The certificate holder is authorized to use electronic media for the repair station and quality control manuals, if acceptable (if none, enter "N/A").

Chronos Aviation LLC is authorized to use electronic media for the Repair Station Manual in accordance with the process and procedures listed in Section 1.4 Electronic Manuals, of the Repair Station and Quality Control Manual, R-4, dated 4-1-2018 or subsequent FAA accepted revision.

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



Digitally signed by Victor C Liberatore, Principal Maintenance Inspector (GL03)
[1] SUPPORT INFO: Change in Ownership
[2] EFFECTIVE DATE: 9/25/2019, [3] AMENDMENT #: 3
DATE: 2019.09.25 10:00:58 -05:00

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

Digitally signed by Gerald H Shutrump, Director of Quality
[1] SUPPORT INFO: Change of ownership, name and address of Repair Station.
DATE: 2019.09.04 15:16:11 -05:00

A101 . Additional Fixed Locations

HQ Control: 02/15/2018

HQ Revision: 01a

a. The certificate holder may perform work at the following additional fixed location(s) listed in Table 1 below, 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
5121 Falcon Road	Rockford	Illinois	UNITED STATES	61109
46 Airport Drive	Rockford	Illinois	UNITED STATES	61109

b. This authorizes the certificate holder to use multiple locations to perform its operations under a single certificate.

c. This authorization does not constitute work performed at additional location(s) outside the domiciled country.

d. The certificate holder may perform continuous operations at the facilities listed in Table 1 above.

e. 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.



Digitally signed by Victor C Liberatore, Principal Maintenance Inspector (GL03)
[1] SUPPORT INFO: Change in Ownership
[2] EFFECTIVE DATE: 9/25/2019, [3] AMENDMENT #: 13
DATE: 2019.09.25 10:00:58 -05:00

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

Digitally signed by Gerald H Shutrump, Director of Quality
[1] SUPPORT INFO: Change of ownership, name and address of Repair Station.
DATE: 2019.09.04 15:18:12 -05:00

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:	A1 (815)986-2174
Address:	5121 Falcon Road
Address:	
City:	Rockford
State:	IL
Zip code:	61109

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. The Certificate Holder applies for the Operations in this paragraph.
2. These Operations Specifications are approved by direction of the Administrator.



Digitally signed by Victor C Liberatore, Principal Maintenance Inspector (GL03)
[1] EFFECTIVE DATE: 10/3/2019, [2] AMENDMENT #: 6
DATE: 2019.10.08 09:11:22 -05:00

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

Digitally signed by Gerald H Shutrump, Director of Quality
[1] SUPPORT INFO: Removal of COON921D.
DATE: 2019.10.03 08:46:38 -05:00

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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	09/25/2019	7

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
All Ratings and Limitations specified in Paragraph A003 of this document.	Repair Station Manual, Section 5.7	Repair Station Manual, Section 5.7

- 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.



Digitally signed by Victor C Liberatore, Principal Maintenance Inspector (GL03)
[1] SUPPORT INFO: Change in Ownership
[2] EFFECTIVE DATE: 9/25/2019, [3] AMENDMENT #: 7
DATE: 2019.09.25 10:00:59 -05:00

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

Digitally signed by Gerald H Shutrump, Director of Quality
[1] SUPPORT INFO: Change of ownership, name and address of Repair Station.
DATE: 2019.09.04 15:21:21 -05:00
