Self-Audit Form

LOGIC AVIATION

We have produced a generic audit form that will be returned in place of the form supplied by you. This will help us provide you with a quicker response to your inquiries.

Thank you.

General Information

Company: Logic Aviation Services, LLC.

Address: 40636 Industrial Park Rd

City/State/Zip Code: Tecumseh, OK 74873

Phone: 405.395.9697

Website: www.logicaviation.net

Repair Station Number: 5LAR389M

Federal Tax I.D. Number: 13-4349316

Dun & Bradstreet Number: 021766254

Number of Employees: 8+

Appr. Facility Size: 8,500 Sq. Ft.

Company Established: 2008

Business Information

FAA 145 Certified Repair Station

Primary Products or Services: Inspection, Repair, Overhaul of Airframe and Components, Airframe Refurbs, Alterations, NDT

If you have any questions, please feel free to contact:

Logic Aviation Services, LLC.

Attn: Angela Bodette, Vice President

Phone: 405.395.9697

Email: angela@logicaviation.net

Name of Preparer: Angela Bodette, Vice President

Signature: X _____ Date: 5/23/23

Supporting documents included:

LOGIC AVIATION

☒ Air Agency Certificate

☒ Anti-Drug and Alcohol Plan

☒ Operations Specifications

	General	Yes	No	N/A
1	If applicable, obtain the latest copy of FAA Air Agency Certificate and drug program approval letter. **Attached**	X		
2	If applicable, is the Air Agency Certificate displayed in an area accessible to the public?	X		
3	Does the vendor only perform work for which they are authorized on their operations specification?	X		
4	Does the vendor maintain a file of audit findings and corrective action for 3 years, and is it accessible to an auditor?	X		
	Quality Control	Yes	No	N/A
1	Is there an established quality control program?	X		
2	Does the vendor have a current QA/QC inspection, and a current Procedures Manual?	X		
3	Does the vendor have an Organization Chart?	X		
4	Is the company structure such that the inspection function is separate from the maintenance function?	X		
5	Does the QA/QC department maintain an up-to-date roster of station management, supervisor and inspection personnel?	X		
6	Is the QA/QC staff technically competent and properly trained?	X		
7	Does the vendor have an internal audit and surveillance function?	X		
8	Does the vendor have an approved sub-contracted maintenance list?	X		
9	Does the vendor have an audit and surveillance program to ensure sub-contractor quality and legality?	X		
10	Is adequate and properly trained QA/QC inspection coverage available at all times?	X		
11	Is the inspection system proportional in size and scope to production?	X		
12	Does the vendor have a system to inspect for hidden damages on parts involved in an accident?	X		
13	Are records maintained for accountability of all inspection stamps?	X		
	Training	Yes	No	N/A
1	Does the vendor have a documented training program?	X		
2	Does the vendor maintain training records for production personnel, QA/QC personnel, Supervisors, and Inspectors?	X		
3	Are the former employee training records being retained?	X		

	Manual/Technical Data	Yes	No	N/A
1	Does the vendor have the required manuals and technical data?	X		
2	Are manual revisions up to date?	X		
3	Does the facility have an acceptable revision service?	X		
4	Does the vendor have a system to control working copies of manuals to ensure they are revised with the master?	X		
5	If necessary, are adequate viewing devices available for viewing data?	X		
6	Is technical data developed by the vendor approved by the customer prior to use?	X		
7	Are there established approved procedures controlling revisions in manuals deviating from OEM specifications?	X		
8	Is a specific individual responsible for the manual and technical data program? If so, who? **Duane Bodette, Tech Pubs Manager**	X		
	Receiving	Yes	No	N/A
1	Does the vendor have an established receiving inspection system?	X		
2	Does the vendor have an acceptable procedure to identify customer parts?	X		
3	Does the vendor have an established surveillance program on their vendors?	X		
4	Does the vendor obtain certification on raw materials received?	X		
5	Are acceptable sampling procedures adequate to ensure the quality of all articles they maintain?	X		
6	Is purchased material routed to a receiving inspection?	X		
7	Are all items inspected for proper packaging, handling, and protection?	X		
	Shops/Processing	Yes	No	N/A
1	Does the vendor have a facility of adequate size to house all necessary tooling and equipment and to perform the work?	X		
2	Does the facility provide adequate protection of parts and subassemblies during disassembly, cleaning, inspection, repair, alteration, and assembly?	X		
3	Does the facility provide proper storage, and separation of customer parts, materials, and supplies?	X		
4	Does the facility provide suitable storage used for storing standard parts, spare parts, and raw material; and is and is it separated from shop and working space?	X		
5	Are proper manuals or technical data available at the mechanics' workstations?	X		
6	Are mechanics using the manuals at the workstations?	X		
7	Are competent, properly qualified personnel provided to: Do the work? Inspect the work? Supervise the work?	X		
8	Is there a system in place to ensure accurate work turnover?	X		
9	Are work forms provided in the process line describing the sequence of operation?	X		

10	Are in-process (progressive) inspections in place where subsequent assembly might conceal issues?	X		
11	Have inspectors been trained in special procedures and non-destructive testing?	X		
12	Are fluid dispensing cans and servicing units properly identified?	X		
13	Is the final test equipment as specified by the OEM?	X		
	If Not:	X		
a)	Is there a certification that unit is equivalent?	X		
b)	Are there operating and maintenance manuals?	X		
c)	Are preventative maintenance and servicing requirements met?	X		
d)	Is unit acceptable to the FAA?	X		
e)	Is unit in the calibration program?	X		
Tool and Test Equipment Calibration		Yes	No	N/A
1	Does the vendor have a documented effective tool calibration program for shop tools and employee's personal tools, including a recall system?	X		
2	Does the vendor have adequate tooling and test equipment available to perform all tests/measurements required to assure conformance specifications?	X		
3	Are the standards calibrated against instruments traceable to the National Institute of Standards and Technology or other controlling government agency?	X		
4	If the calibration function is performed in-house, does the vendor have the necessary standards to perform the required test to certify their tools and test equipment?	X		
5	Is there a current certification for each standard?	X		
6	Are all precision tools/instruments included in the calibration program?	X		
7	Can tools and test equipment be trace to the standard against which they were calibrated?	X		
8	Are specified calibration frequencies established for each precision tool and instrument?	X		
9	Are records of calibrated equipment, containing repair, and calibration accuracy data maintained?	X		
10	Is there a procedure in place for controlling and preventing out-of-service and due-for-calibration tools and equipment from being used?	X		
11	Are precision tools and instruments stored in an orderly manner?	X		
12	Is there a primary individual responsible for the tool calibration program?	X		
Material/Stores		Yes	No	N/A
1	Are parts and material properly stored? (Lines & plugs capped, units in plastic bags, etc.)	X		
2	Are parts and material properly identified including inspection status?	X		
3	Are parts and material protected from damage, deterioration, loss or substitution?	X		

4	Is control maintained on parts and materials from receipt until usage?	X		
5	Is there a system for material review, is there evidence of proper action taken on non-conformance parts and materials, and are records retained?	X		
6	Is there an area set aside for storage of non-conforming parts and material?	X		
7	Is there a method in place to separate serviceable and non-serviceable parts?	X		
8	Is the material/store area clean and neat?	X		
9	Does the vendor have an adequate shelf-life program?	X		
10	Is there a particular individual identified by title that is responsible for assuring an effective shelf-life program?	X		
11	Is there a means of identifying the expiration date of each shelf-life limited item?	X		
12	Does the shelf-life program specify a system that will assure that no expired material or part will be issued?	X		
13	Does the vendor have a documented procedure in place to either return scrapped parts to their owner or to a mutilate them by drilling, grinding, cutting, or other appropriate means?	X		
14	Does the vendor's manual identify the person responsible for mutilating scrapped parts?	X		
15	Does the vendor maintain a record of all life limited parts scrapped?	X		
16	Are oxygen and other high-pressure bottles properly stored?	X		
Records		Yes	No	N/A
1	Are records of all production, inspection, and testing activities retained? If so, for how long? **2 Years**	X		
2	Are all records reviewed to assure that all work has been inspected in accordance with specified requirements?	X		
3	Do repair records contain: Description of work performed and date of completion? Name of person doing the work? Name, certificate number, and type of certificate of person approving the work?	X		
4	Does the vendor use proper documents to certify part airworthiness?	X		
5	Does the vendor provide all production, test, and inspection records with each component part?	X		
6	Are signatures being used on the maintenance release tag?	X		
7	Does the vendor's return-to-service documents meet customer and FAA requirements?	X		
Shipping		Yes	No	N/A
1	Is the finished product properly identified?	X		
2	Does the vendor use an appropriate shipping container, or one required by the customer to return components?	X		
3	Is there verification of completeness of packing sheets and data packs?	X		
Facility		Yes	No	N/A
1	Is the work area arrangement free of potential material contamination?	X		

2	Is ventilation, lighting, and temp/humidity control adequate?	X		
3	Is the facility provided with adequate security and protection from fire?	X		
4	Does the vendor management or a qualified outside source periodically review the security system to assure that the system is still accurate?	X		
5	Are fire protection devices and systems inspected periodically in accordance with local fire code or fire department requirements?	X		
6	If the vendor deals in non-aircraft parts, materials, or maintenance activities, are they adequately separated from the aircraft functions?	X		
Safety		Yes	No	N/A
1	Are fire lanes, doors, and fire extinguishers clear of obstructions?	X		
2	Are fire stations identified and extinguishers in serviceable condition?	X		
3	Are safety guards in place on power equipment?	X		
Findings				

UNITED STATES OF AMERICA
DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

Air Agency Certificate

Number **5LAR389M**

This certificate is issued to

LOGIC AVIATION SERVICES, LLC

whose business address is

40636 INDUSTRIAL PARK ROAD
TECUMSEH, OKLAHOMA 74873

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
LIMITED POWERPLANT
LIMITED NDT (03/07/2012)

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

By direction of the Administrator

Date issued:

05/20/2009

P.K. Stephens

PATRICK K. STEPHENS
MANAGER, ASW-WRS-FSDO-15

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

FAA Form 8000-4 (1-67) SUPERSEDES FAA FORM 390. Electronic Forms (PDF)

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

None Authorized

Limited Ratings

Rating	Manufacturer	Make/Model	Limitations
Airframe	From the accepted Capability List, as amended.	From the accepted Capability List, as amended.	Inspection, repair, and alteration in accordance with the manufacturers manuals, air carriers data, or other data approved by the FAA.
PowerPlant	From the accepted Capability List, as amended.	From the accepted Capability List, as amended.	Inspection and maintenance in accordance with the manufacturers manuals, air carriers data, or other data approved by the FAA.
Nondestructive Inspection, Testing, and Processing	From the accepted Capability List, as amended.	From the accepted Capability List, as amended.	Flourescent Penetrant Inspection in accordance with ASTM E1417 as revised or the approved manufacturers data.
Nondestructive Inspection, Testing, and Processing	From the accepted Capability List, as amended.	From the accepted Capability List, as amended.	Magnetic Particle Inspection in accordance with ASTM E1444 as revised or the approved manufacturers data.

Limited Ratings - Specialized Services

Rating	Specifications	Limitations
None Authorized.		

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 405-395-9697
Address:	40636 INDUSTRIAL PARK ROAD
Address:	N/A
City:	TECUMSEH
State:	OK
Zip code:	74873

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.

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
Maintenance authorized on paragraph A003	Section 1.4 on page 1-2	Section 1.4 on page 1-2

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.

Digitally signed by Lionel I Stevens, Principal Maintenance Inspector (SW15)
[1] SUPPORT INFO: CORRECTION TO CERTIFICATE NUMBER REMOVING PRECERTIFICATION NUMBER
[2] EFFECTIVE DATE: 2/25/2016, [3] AMENDMENT #: 2
DATE: 2016.02.25 13:39:00 -06:00

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

/s/ 02/13/2020

Bodette, Duane, FAA Accountable Manager, 145 Date

Logic Aviation Services, LLC
Airframe and Engine Capabilities List

Section A.

Manufacturer	Make/Model	Nomenclature	Rating	Date Added	Date Deleted
Bell Helicopter	OH-58 Series	Helicopter	Airframe	3/29/2017	
Bell Helicopter	206B/TH-67 Series	Helicopter	Airframe	3/29/2017	
Bell Helicopter	206L Series	Helicopter	Airframe	3/29/2017	
Bell Helicopter	407 Series	Helicopter	Airframe	3/29/2017	
Bell Helicopter	429	Helicopter	Airframe	8/9/2023	
Bell Helicopter	505	Helicopter	Airframe	9/29/2023	
Airbus	AS350/B2/B3/EC130/B4	Helicopter	Airframe	8/9/2023	
MD Helicotper	369/500/600 Series	Helicopter	Airframe	3/29/2017	
Robinson Helicopters	R66	Helicopter	Airframe	3/29/2017	
Robinson Helicopters	R44 Series	Helicopter	Airframe	3/29/2017	
Rolls Royce	250 C20 Series	Engine	Engine	3/29/2017	
Rolls Royce	250 C30 Series	Engine	Engine	3/29/2017	
Rolls Royce	250 C47 Series	Engine	Engine	3/29/2017	
Rolls Royce	300	Engine	Engine	3/29/2017	
Turbomeca	Arriel 1D1	Engine	Engine	8/9/2023	
Turbomeca	Arriel 2B	Engine	Engine	8/9/2023	
Turbomeca	Arriel 2B1	Engine	Engine	8/9/2023	
Safran	Arrius 2R	Engine	Engine	9/29/2023	
Lycoming	O-540 series	Engine	Engine	3/29/2017	
Lycoming	IO-540 Series	Engine	Engine	3/29/2017	
Pratt & Whitney	PW207D1	Engine	Engine	8/9/2023	