



# HYDRO-AIRE AEROSPACE CORP.

## Company Information Package

August 2022



Re: Name Change

This is to inform you of the internal reorganization by HYDRO-AIRE, Inc. ("Old HYDRO-AIRE") of its current operating businesses. As part of this reorganization, the business of Old HYDRO-AIRE will be transferred to a new affiliated entity called HYDRO-AIRE Aerospace Corp. ("New HYDRO-AIRE"). Like Old HYDRO-AIRE, New HYDRO-AIRE is also a wholly owned, indirect subsidiary of Crane Co.

On February 1, 2022, New HYDRO-AIRE took over the business of Old HYDRO-AIRE, including all rights and obligations under agreements we have with you (including as appropriate, NDAs or confidentiality agreements, supply agreements, purchase agreements, or otherwise). These changes will not result in a change in the operation of the business or any of the activities you see in connection with our agreement(s). All current personnel will continue to work with you, and all bank account numbers will remain unchanged.

We have received from regulatory agencies revised Repair Station Air Agency Certificate, Operations Specifications & EASA Supplement. We have not yet received the CAAC Maintenance Management Manual. As soon as we get the CAAC documents, we will post them on the Crane website located at <https://www.craneae.com/quality>

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## GENERAL INFORMATION

Company Name:	HYDRO-AIRE Aerospace Corp. Crane Aerospace & Electronics Founded 1943
Parent Company:	Crane Co. Acquired Hydro-Aire Aerospace Corp. in 1951
Mailing Address:	P.O. Box 7722 Burbank, Ca. 91510
Shipping Address:	3000 Winona Ave. Burbank, Ca. 91504
Telephone Number:	818-526-2600
Facsimile Number:	818-842-6117
Internet E-mail:	info@craneae.com
Company Website	www.craneae.com
Cage Code	81982
ARINC/SITA	BURHYXD
SIC	3728
NAIC	336413
DUNNS	02-190-5644

## DESCRIPTION OF BUSINESS

Hydro-Aire Aerospace Corp. is the world leader in aircraft Antiskid, Brake Control, and Auto brake systems. Most of the world's aircraft are stopped by Hydro-Aire brake control systems every day.

Hydro-Aire Aerospace Corp. is also a leader in the design and manufacture of high-performance fuel pumps and hydraulic components.

P.L Porter Co., a California corporation, merged with and into Hydro-Aire Aerospace Corp. in accordance with the General Corporation Law of the State of California. The separate corporate existence of P.L. Porter ceased, and Hydro-Aire Aerospace Corp. is the surviving corporation of the merger. As a result of this merger, Hydro-Aire Aerospace Corp. is now also a global leader in position control devices and adjusting technology for aircraft seating and other aircraft cabin applications specifying the P.L. Porter brand. Other P.L. Porter brand industries include office furniture, bus, rail, and home health equipment.

## ORGANIZATION STRUCTURE

President, Aerospace Group	John J. Higgs (Jay)	440-284-5472	John.Higgs@Craneae.com
Sr. Director of Operations	Keith Shively	818-526-2623	Keith.Shively@Craneae.com
VP Finance	Todd Witchall	425-895-5033	Todd.Witchall@Craneae.com
VP Sales & Marketing	Gregg Herman	469-481-2329	Gregg.Herman@Craneae.com
VP of Quality	Dorel Agafitei	818-526-2682	Dorel.Agafitei@Craneae.com
Director of Engineering	Nguyen Tram	818-526-2425	Nguyen.Tram@Craneae.com
Customer & Product Support Manager	Greg Jones	425-743-8473	Gregory.Jones@Craneae.com
Site QA Manager	Gene Schreiner	818-526-2626	Eugene.Schreiner@Craneae.com
Supply Chain Manager	Edward Hunn	818-526-2601	Edward.Hunn@Craneae.com
Repair Station/ Aftermarket Manager	Nancy Pinkston	818-526-2586	Nancy.Pinkston@Craneae.com
Employee Health & Safety	Isaiah Braithwaite	818-526-2651	Isaiah.Braithwaite@Craneae.com
Headcount: Total	515		
Mfg. Operations	269		
Engineering	130		
Administration	84		
Quality Assurance	32		
Total Plant Area	175,000 sq. ft.		

## Remittance Details



Hydro-Aire Aerospace Corp.  
A Crane Co. Company

## REMITTANCE DETAILS

Dear Valued Customers,

**Please send CHECKS to:**  
Hydro-Aire Aerospace Corp.  
PO Box 932604  
Atlanta, GA 31193-2604

**Overnight Address:**  
Wells Fargo Lockbox Services  
Lockbox 932604  
3585 Atlanta Ave  
Hapeville, GA 30354

**Please send ACH or WIRE  
TRANSFERS to:**  
Bank Name: Wells Fargo  
ABA #: 1210-0024-8  
SWIFT: WFBUS6S  
Account Name: Hydro-Aire Aerospace Corp.  
Account #: 4538327560

**Bank Address:**  
Wells Fargo Bank  
420 Montgomery Street  
San Francisco, CA 94104

**Cage Code:**  
81982  
**D&B D-U-N-S Number:**  
02-190-5644  
**Tax ID Number:**  
87-3816501

**Please send remittance details  
to the following:**

[ar.remittance@craneae.com](mailto:ar.remittance@craneae.com)

Sincerely,

*Katherine Torres*

Katherine Torres  
Accounting Supervisor  
Crane Aerospace & Electronics  
Office: (818) 526-2285  
Mobile: (818) 319-2166  
[Katherine.Torres@craneae.com](mailto:Katherine.Torres@craneae.com)

Form **W-9**  
(Rev. October 2018)  
Department of the Treasury  
Internal Revenue Service

### Request for Taxpayer Identification Number and Certification

Go to [www.irs.gov/FormW9](http://www.irs.gov/FormW9) for instructions and the latest information.

Give Form to the  
requester. Do not  
send to the IRS.

Print or type.  
See Specific Instructions on page 3.

1 Name (as shown on your income tax return). Name is required on this line; do not leave this line blank.  
Hydro-Aire Aerospace Corp.

2 Business name/disregarded entity name, if different from above

3 Check appropriate box for federal tax classification of the person whose name is entered on line 1. Check **only one** of the following seven boxes.

Individual/sole proprietor or single-member LLC

C Corporation

S Corporation

Partnership

Trust/estate

Limited liability company. Enter the tax classification (C=C corporation, S=S corporation, P=Partnership) ▶ \_\_\_\_\_

**Note:** Check the appropriate box in the line above for the tax classification of the single-member owner. Do not check LLC if the LLC is classified as a single-member LLC that is disregarded from the owner unless the owner of the LLC is another LLC that is **not** disregarded from the owner for U.S. federal tax purposes. Otherwise, a single-member LLC that is disregarded from the owner should check the appropriate box for the tax classification of its owner.

Other (see instructions) ▶ \_\_\_\_\_

4 Exemptions (codes apply only to certain entities, not individuals; see instructions on page 3):

Exempt payee code (if any) 5

Exemption from FATCA reporting code (if any) D

(Applies to accounts maintained outside the U.S.)

5 Address (number, street, and apt. or suite no.) See instructions.  
3000 Winona Avenue

6 City, state, and ZIP code  
Burbank, CA 91504

7 List account number(s) here (optional)

Requester's name and address (optional)

#### Part I Taxpayer Identification Number (TIN)

Enter your TIN in the appropriate box. The TIN provided must match the name given on line 1 to avoid backup withholding. For individuals, this is generally your social security number (SSN). However, for a resident alien, sole proprietor, or disregarded entity, see the instructions for Part I, later. For other entities, it is your employer identification number (EIN). If you do not have a number, see *How to get a TIN*, later.

**Note:** If the account is in more than one name, see the instructions for line 1. Also see *What Name and Number To Give the Requester* for guidelines on whose number to enter.

Social security number

			-					
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or

Employer identification number

8	7	-	3	8	1	6	5	0	1
---	---	---	---	---	---	---	---	---	---

#### Part II Certification

Under penalties of perjury, I certify that:

- The number shown on this form is my correct taxpayer identification number (or I am waiting for a number to be issued to me); and
- I am not subject to backup withholding because: (a) I am exempt from backup withholding, or (b) I have not been notified by the Internal Revenue Service (IRS) that I am subject to backup withholding as a result of a failure to report all interest or dividends, or (c) the IRS has notified me that I am no longer subject to backup withholding; and
- I am a U.S. citizen or other U.S. person (defined below); and
- The FATCA code(s) entered on this form (if any) indicating that I am exempt from FATCA reporting is correct.

**Certification instructions.** You must cross out item 2 above if you have been notified by the IRS that you are currently subject to backup withholding because you have failed to report all interest and dividends on your tax return. For real estate transactions, item 2 does not apply. For mortgage interest paid, acquisition or abandonment of secured property, cancellation of debt, contributions to an individual retirement arrangement (IRA), and generally, payments other than interest and dividends, you are not required to sign the certification, but you must provide your correct TIN. See the instructions for Part II, later.

Sign Here

Signature of U.S. person ▶ Katherine Torres

Date ▶ 02/01/2022

#### General Instructions

Section references are to the Internal Revenue Code unless otherwise noted.

**Future developments.** For the latest information about developments related to Form W-9 and its instructions, such as legislation enacted after they were published, go to [www.irs.gov/FormW9](http://www.irs.gov/FormW9).

#### Purpose of Form

An individual or entity (Form W-9 requester) who is required to file an information return with the IRS must obtain your correct taxpayer identification number (TIN) which may be your social security number (SSN), individual taxpayer identification number (ITIN), adoption taxpayer identification number (ATIN), or employer identification number (EIN), to report on an information return the amount paid to you, or other amount reportable on an information return. Examples of information returns include, but are not limited to, the following.

- Form 1099-INT (interest earned or paid)

- Form 1099-DIV (dividends, including those from stocks or mutual funds)
- Form 1099-MISC (various types of income, prizes, awards, or gross proceeds)
- Form 1099-B (stock or mutual fund sales and certain other transactions by brokers)
- Form 1099-S (proceeds from real estate transactions)
- Form 1099-K (merchant card and third party network transactions)
- Form 1098 (home mortgage interest), 1098-E (student loan interest), 1098-T (tuition)
- Form 1099-C (canceled debt)
- Form 1099-A (acquisition or abandonment of secured property)

Use Form W-9 only if you are a U.S. person (including a resident alien), to provide your correct TIN.

If you do not return Form W-9 to the requester with a TIN, you might be subject to backup withholding. See What is backup withholding, later.

## **CUSTOMER SUPPORT**

The enclosed Product Support Contact Information provides the latest update for communications concerning repairs, publications, and technical assistance. 24-hour AOG emergency support is available at (818) 526-2600. Note: HYDRO-AIRE AEROSPACE CORP. is in the U.S. - Pacific Time Zone. CAGE Code = 81982.

## **REPAIR FACILITIES**

HYDRO-AIRE AEROSPACE CORP. currently has 20 FAA Repairmen and holds PMA on numerous products. The on-site FAA Repair Station currently services only HYDRO-AIRE AEROSPACE CORP.-designed equipment. Hence, the document control system for repairs is equivalent to the system for manufacturing operations. All aircraft-related products are provided with an Airworthiness Approval Tag (FAA Form 8130-3). Failure analysis and trending data are recorded and reviewed regularly through a Failure Review, Analysis, and Corrective Action System (FRACAS).

## **QUALITY ASSURANCE**

The HYDRO-AIRE AEROSPACE CORP. Quality System evolved from MIL-Q-9858A and is approved to ISO 9001:2015 AS9100D through International Standards Authority (ISA) (ISA Certificate of Approval # 1654).

An internal Quality Assurance Department regularly monitors the Quality System. The FAA certifies the Quality System using the Aircraft Certification Systems Evaluation Program (ACSEP) through which PMA authority is provided. Additionally, the System has been is routinely audited and approved by CAAC (Civil Aviation Administration of China), DCMA -Van Nuys, aircraft and manufacturers, system integrators and individual airlines. Numerous customers have approved HYDRO-AIRE AEROSPACE CORP. as a Delegated Quality Source Representatives.

## **AUDITS / INSPECTIONS**

HYDRO-AIRE AEROSPACE CORP. conducts an extensive series of evaluations on processes and products to ensure compliance to company as well as customer requirements. Systems Audits are conducted annually to determine compliance to Quality System requirements. Process Audits assess whether operators perform in compliance with detailed assembly and testing procedures. Design control audits are routinely performed during program development. Product Audits are periodically conducted on Finished Goods. In this teardown process, a finished product is evaluated for functional, workmanship and documentation compliance.

Receiving Inspection and delegated Line Inspection review physical characteristics of product to drawing requirements in both the manufacturing and repair departments. Shipping Inspection provides a final verification of actual product and provides a Certificate of Conformance or FAA Form 8130-3, as appropriate. Inspectors issuing 8130-3 tag are DMIR delegated from the FAA Van Nuys office.

## **PREVENTIVE AND CORRECTIVE ACTION**

Continuous improvement of processes is proactively encouraged through various approaches. Advanced Quality System, Lean Manufacturing, Kaizen and Six-Sigma techniques, such as statistical analysis and process control, designed experiments and gage variation studies, are utilized to achieve process optimization.

HYDRO-AIRE AEROSPACE CORP. maintains comprehensive corrective action processes appropriate to the level of action required. The root cause is systematically researched, and action taken to prevent recurrence. Continuous monitoring of in-plant, supplier and also field performance data are utilized in product and process analysis.

## **DESIGN AND MANUFACTURING OPERATIONS**

Design Reviews, Qualification Testing, First Article Inspections, etc. are used to manage the product development process. A Configuration Management group controls the release and revision of all Engineering drawings, parts lists, and software. Detailed manufacturing instructions are developed for each product. Assembly and testing of deliverable product are performed to documented procedures.

All products receive 100% Acceptance Testing and Final Inspection. Statistical Process Control is being phased into critical processes to improve capability analysis and refinement. A Parts Reliability Tracking System is used to further enhance component and product performance analyses.

## **SPECIAL PROCESSES**

Special Processes are defined and controlled per AS9100 process control requirements. Military or industry standards or internal specifications generally govern them. Control is maintained through documented procedures and a combination of equipment certifications and/or personnel training and certification. HYDRO-AIRE AEROSPACE CORP. can support environmental, EMI and Non-Destructive Testing (NDT). HYDRO-AIRE AEROSPACE CORP. is NADCAP accredited to perform Magnetic Particle Inspection and Liquid Penetrant Inspection that is defined and controlled per SAE Aerospace Standard AS7003 and performed by certified personnel to NAS 410 Level II & III.

## **PROCUREMENT**

All HYDRO-AIRE AEROSPACE CORP. suppliers who provide production hardware are approved and regularly audited by Procurement Quality Engineering. Receiving Inspection accepts materials, components and subsystems per an Approved Vendor List and Engineering-controlled Receiving Inspection Requirements. A First Article Inspection in accordance with AS9102 is performed on all new procurements; and the history of lot acceptance and rejection is maintained for each part number received

## **NONCONFORMANCES**

Non-conformances are identified, documented, and trended at Receiving Inspection and at various points throughout the manufacturing processes. Nonconforming materials are segregated to preclude

from use, until authorized personnel determine the appropriate authority for the material disposition, using predetermined decision rules. Quality Assurance is responsible for ensuring 1) agreed upon corrective and preventive actions are timely and effective and 2) scrapped parts are destroyed or suitably marked to prevent unauthorized use.

## **CALIBRATION OF MEASUREMENT AND TEST EQUIPMENT**

All tools and equipment used in the measurement, inspection and testing of deliverable product are checked and certified for accurate operation. The HYDRO-AIRE AEROSPACE CORP. calibration system and recall procedures conform to ANSI Z540-1, which supersedes MIL-STD-45662A. Internal standards are certified traceable to NIST.

## **TECHNICAL TRAINING**

Numerous classes provide employees with training specific to the type of work involved within the department assigned. Technical training may consist of classroom instruction and/or on-the-job training depending on the subject involved. Training records and re-certification requirements are maintained by Human Resources.

Specific soldering certifications involve low-temp and high-temp circuit board soldering, surface mount components, etc. Other technical training involves: ESD, rework & repair, traceability, hazardous chemicals, age- sensitive materials, component bonding, conformal coating, and encapsulation.

## **RECORDS AND DATA RETENTION**

HYDRO-AIRE AEROSPACE CORP. maintains records of activities associated with manufacturing, repair, and quality assurance as objective evidence of product conformance. Most records are currently maintained indefinitely utilizing a digital data retention process. These records are maintained and made available for review as a minimum of 15 years in accordance with customer and regulatory requirements.

## **ELECTRONIC DOCUMENT AND RECORDS RETENTION**

HYDRO-AIRE AEROSPACE CORP. uses a digital data retention process to ensure that documents retained as electronic data are controlled properly and securely to ensure data integrity. Quality records are identified and maintained in accordance with internal procedures to meet customer and regulatory requirements. Hydro-Aire has transitioned to a system where all training records, work processing records including test data, material and process certifications, and Quality System Documentation are digitized, maintained, and updated on the Hydro-Aire network drive. This is a secure intranet database which has an automated back-up system which is accessible only to authorized employees through the Hydro-Aire intranet database.

**HYDRO-AIRE AEROSPACE CORP. REPAIR STATION: Audit Checklist Responses 1 - 4**

Component Repair/Overhaul Vendor (REPAIR STATION)  
 This questionnaire is based on the typical customer checklists

<b>1. CERTIFICATION</b>	<b>YES</b>	<b>NO</b>	<b>N/A</b>
A. Does REPAIR STATION hold an FAA repair station certificate?	X		
B. Record certificate number. <u>OD3R785L</u>	X		
C. A copy of certificate and limitations is posted in an unobscured area accessible to the public.	X		
D. Is the certificate unobscured in an area accessible to the public?	X		
<b>2. ANTI-DRUG</b>	<b>YES</b>	<b>NO</b>	<b>N/A</b>
A. Does the REPAIR STATION have an FAA approved anti-drug plan?	X		
B. A Consortium's	X		
C. Consortium/air carrier name, if applicable: Sterling Talent Solutions	X		
<b>3. GENERAL</b>	<b>YES</b>	<b>NO</b>	<b>N/A</b>
A. Does the REPAIR STATION only perform work for which he is authorized on his operations specifications?	X		
B. If the vendor deals in non-aircraft parts, materials and/or maintenance activities, are they adequately segregated from the aircraft functions?	X		
C. Does the vendor maintain a file of audit findings and corrective action for three years? Is it accessible to the auditor?	X		
D. Is there a back-up person identified for all programs that require it?	X		
<b>4. QUALITY CONTROL</b>	<b>YES</b>	<b>NO</b>	<b>N/A</b>
A. Is there an established Quality Control Program?	X		
B. Does the vendor have an up-to-date QA/QC manual that covers all of the manual requirements?	X		
C. Does manual detail duties, responsibilities and reporting relationships of the QA/QC department?	X		
D. Are the QA/QC manuals current and available to employees?	X		
E. Does REPAIR STATION have an internal audit and surveillance function?	X		
F. Does the function ensure compliance with customer specifications?	X		
G. Does audit program assure appropriate corrective action?	X		
H. Does the REPAIR STATION have an organization adequate to perform the work intended?	X		
I. Do supervisors have A&P or Repairman certificates?	X		
J. Does REPAIR STATION have an established procedure to provide corrective action for discrepancies noted during repair/overhaul?	X		
K. Does REPAIR STATION maintain a list of "sub-contracted" maintenance actions and approved vendors for those functions?	X		
L. Does REPAIR STATION ensure that sub-contractor quality meets customer specifications and legal requirements?	X		
M. Does REPAIR STATION maintain certification on sub-contract work?	X		
N. Does REPAIR STATION have a procedure for reporting defects or un-airworthy conditions to the customer and the FAA?	X		

**HYDRO-AIRE AEROSPACE CORP. REPAIR STATION: Audit Checklist Responses 5 - 6**

<b>5. INSPECTION</b>	<b>YES</b>	<b>NO</b>	<b>N/A</b>
A. Are inspectors properly trained and certified?	<b>X</b>		
B. Is there proper separation of maintenance and inspection responsibilities for vendors that perform required inspections?	<b>X</b>		
C. Does REPAIR STATION maintain a list of items each inspector is authorized to inspect?	<b>X</b>		
D. Does REPAIR STATION perform any required inspections for any customers?	<b>X</b>		
E. Does repair station roster identify all supervisory and inspection personnel?	<b>X</b>		
F. Does the roster identify all personnel authorized for return to service?	<b>X</b>		
G. Does the repair station have an employment summary for all personnel listed on the repair station roster?	<b>X</b>		
H. Does the REPAIR STATION have an acceptable receiving inspection system?	<b>X</b>		
I. Does the REPAIR STATION have an acceptable procedure to identify customer parts?	<b>X</b>		
J. Does REPAIR STATION maintain traceability certification on all parts and raw materials?	<b>X</b>		
K. Are acceptable sampling procedures adequate to ensure quality?	<b>X</b>		
L. Does the vendor have an acceptable system for controlling stamps, for both inspection and production personnel?	<b>X</b>		
<b>6. TECH DATA CONTROL</b>	<b>YES</b>	<b>NO</b>	<b>N/A</b>
Note: "Manuals" in this context includes any technical data, i.e. drawings; wiring diagrams, test specifications necessary to perform the required service.			
A. Does the REPAIR STATION have the required shop manuals and specifications to perform the repair/overhaul in accordance with customer requirements?	<b>X</b>		
B. Are there established approved procedures controlling revisions in manuals deviating from OEM specifications e.g. EO or EA.	<b>X</b>		
C. Does the REPAIR STATION have a system to ensure technical data is current?	<b>X</b>		
D. Does REPAIR STATION have records of manual revisions?	<b>X</b>		
E. Are manual revisions up to date?	<b>X</b>		
F. Are component overhaul manuals properly identified and available to mechanics?	<b>X</b>		
G. Does REPAIR STATION have a system to control working copies of manuals to ensure they are revised with the masters?	<b>X</b>		
H. Is technical data stored in a manner that will protect it from dirt & damage?	<b>X</b>		
I. Are adequate viewing devices in good condition available for viewing the technical data?	<b>X</b>		
J. Is a specific individual, by title, responsible for the Technical Data Program?	<b>X</b>		
K. If the REPAIR STATION has SFAR 36 authority, does he have a system for receiving customer approval prior to use of the data?			<b>X</b>
L. Does the REPAIR STATION have an approved SFAR 36 manual and roster?			<b>X</b>

**HYDRO-AIRE AEROSPACE CORP. REPAIR STATION: Audit Checklist Responses 7 - 9**

<b>7. SHELF LIFE</b>	<b>YES</b>	<b>NO</b>	<b>N/A</b>
A. Does REPAIR STATION have a documented shelf life program?	X		
B. Does the program list parts and materials that have shelf life limits?	X		
C. Does the program assign program responsibility to a specific person by title?	X		
D. Does each shelf life item have the shelf life expiration limit displayed?	X		
E. Is there an adequate system to assure that no item will be issued or used past its expiration date?	X		
<b>8. TOOL &amp; TEST CALIBRATION</b>	<b>YES</b>	<b>NO</b>	<b>N/A</b>
A. Does REPAIR STATION have a tool calibration program?	X		
B. Does the REPAIR STATION have a person, by title, responsible for the tool calibration program?	X		
C. Are all tools in use listed on the tool calibration list?	X		
D. Are standards used to calibrate tools traceable to the controlling government agency, e.g. The National Institute of Standards and Technology?	X		
E. Is there a system to identify each tool in the program, its calibration frequency and its calibration due date?	X		
F. Does Repair Station have a procedure for controlling and/or preventing out- of-service and due-for-calibration tools and equipment from being used?	X		
G. Does the REPAIR STATION have a procedure to control the calibration of personal tools?	X		
H. Did a sample of the calibrated tooling indicate that the tooling is within calibration?	X		
I. Are the tools & test equipment in a serviceable condition?	X		
J. Do records?			
1) Show date calibrated	X		
2) Identify individual or vendor that performed calibration or check?	X		
3) Show calibration due date?	X		
4) Contain a certificate for each item calibrated by an outside agency?	X		
5) Record details of adjustments and repairs?	X		
6) Show the P/N and S/N of the standard used to perform the calibration?	X		
<b>9. TRAINING</b>	<b>YES</b>	<b>NO</b>	<b>N/A</b>
A. Does REPAIR STATION have a documented training program?	X		
B. Does it include all mechanics, inspectors and technical supervisors?	X		
C. Is formal and OJT training documented?	X		
D. Are training records for mechanics, inspectors and supervisors retained for two years after the person leaves the company?	X		

## HYDRO-AIRE AEROSPACE CORP. REPAIR STATION: Audit Checklist Responses 10- 12

10. HOUSING & FACILITIES	YES	NO	N/A
A. Does REPAIR STATION have facility of adequate size to house all necessary tooling, equipment, material and parts to perform work?	X		
B. Does the housing adequately protect parts, materials, and customer units form damage, theft and contamination?	X		
C. Is the environment appropriate to protect workers so that the quality of workmanship is not impaired by physical efficiency?	X		
D. Does facility have adequate lighting?	X		
E. Are storage facilities separate from shop and work areas?	X		
F. Do shipping and receiving areas have adequate space, lighting, shelving, security and fire protection?	X		
G. Is there adequate and appropriate storage space to safely store customer's shipping containers and protect them from damage?	X		
H. Is the work area, including supervisors' offices, clean?	X		
11. SAFETY/SECURITY/FIRE PROTECTION	YES	NO	N/A
A. Does REPAIR STATION provide adequate security for customer parts in his possession?	X		
B. Is the security system reviewed periodically by management or an outside vendor?	X		
C. Are fire protection devices inspected periodically?	X		
D. Are fire stations identified and extinguishers in serviceable condition?	X		
E. Are fire lanes, doors and fire extinguishers clear of obstruction?	X		
F. Are safety guards in place on power equipment?	X		
G. Are REPAIR STATION shop operations conducted in a safe manner and environment?	X		
12. STORAGE	YES	NO	N/A
A. Are parts and materials properly identified and properly stored?	X		
B. Does the REPAIR STATION have a quarantine area for rejected parts and materials awaiting disposition?	X		
C. Do parts in bin match part number on bins?	X		
D. Are parts & materials properly protected from damage and deterioration?	X		
E. Are flammable, toxic or volatile materials properly identified & stored?	X		
F. Are sensitive parts and equipment (oxygen parts, O-rings, electrostatic sensitive devices, etc.) properly packaged, identified and stored to protect from damage & contamination?	X		
G. Are oxygen and other high-pressure bottles correctly identified and stored?	X		

**HYDRO-AIRE AEROSPACE CORP. REPAIR STATION: Audit Checklist Responses 13 - 14**

<b>13. WORK PROCESSING</b>	<b>YES</b>	<b>NO</b>	<b>N/A</b>
A. Does REPAIR STATION have adequate tooling & test equipment to perform the work?	X		
B. If REPAIR STATION uses test equipment that differs from the OEM specified equipment:			
1) Is it properly certified as equivalent?	X		
2) Does REPAIR STATION have operation and maintenance manuals?	X		
3) Is maintenance and servicing performed per the manual?	X		
4) Is maintenance and servicing recorded and records retained for two years?	X		
5) Is equipment listed in the calibration program?	X		
6) Has equipment been accepted by the FAA?	X		
C. Are mechanics, inspectors and supervisors properly trained, authorized and certified, if required, for the work they perform?	X		
D. Are adequate tools and current manuals available or at the mechanics' work stations?	X		
E. Are customers' parts properly identified throughout the maintenance actions and in storage?	X		
F. Is there a work turnover procedure used?	X		
G. Does the shop segregate serviceable from unserviceable components?	X		
H. Does the facility provide adequate protection of parts in work? E.g. filtered air or clean room depending on type of part.	X		
I. Are smoking, eating and drinking forbidden in the work area as appropriate?	X		
J. Are fluid dispensing cans and servicing units properly identified?	X		
K. Are REPAIR STATION work records complete, in order, and legible?	X		
L. Do the records contain:			
7.) The description of the work performed or referenced to data acceptable to the administrator?	X		
8.) The date of completion of the work performed?	X		
9.) The name of the person performing the work?	X		
10.) The name of the person inspecting the work?	X		
11.) The name of the certified mechanic or repairman who performed or supervised the work?	X		
12.) The signature, certificate number, and type of certificate of the person returning the article to service?	X		
M. Are all test and inspection records in work package?	X		
N. Does REPAIR STATION record keeping system and retention time meet FAR requirements?	X		
O. Does REPAIR STATION's return-to-service documents meet customer and FAA requirements?	X		
<b>14. SHIPPING</b>	<b>YES</b>	<b>NO</b>	<b>N/A</b>
A. Are components returned in an appropriate shipping container or as specified by the customer?	X		
B. Does the REPAIR STATION verify that identified data (PN/SN/nomenclature/mod.no.) on the parts tag and the data plate match?	X		

**HYDRO-AIRE AEROSPACE CORP. REPAIR STATION: Audit Checklist Responses 15**

<b>15. <u>SCRAPPED PARTS</u></b>	<b>YES</b>	<b>NO</b>	<b>N/A</b>
A. Does the REPAIR STATION have a documented procedure to assure that scrapped parts are either returned to the customer or mutilated beyond repair?	<b>X</b>		
B. Does the program identify an individual, by title, responsible for verifying that mutilation is accomplished?	<b>X</b>		
C. Does the REPAIR STATION maintain a record of life-limited parts scrapped for seven years?	<b>X</b>		
D. Does the record contain the P/N and S/N of the part and the date scrapped?	<b>X</b>		



# Certificate of Registration

This is to certify that the Quality Management System of  
**Crane Aerospace & Electronics - Aerospace Group**

3000 Winona Ave.  
Burbank, CA 91510, USA  
(Several Site Structure)

(Additional Sites Listed on the Attachment)

has been assessed for conformance with the provisions set forth by

**ISO 9001:2015  
AS9100D**

## Scope of Registration

Design and development (including software development), manufacturing, repair, and overhaul of high reliability electronics, electro-mechanical, hydro-mechanical and fluid handling components for aircraft, aerospace, and defense systems.

*The assessment was performed in accordance with the requirements of the latest version of AS9104 /1:2012-01  
ISA is accredited under the ICOP Scheme.*

Certificate No. 1654  
Issue Date: 05/18/2021  
Re-issue Date: 07/15/2022  
Expiration Date: 05/17/2024  
Certified since November 2, 2001



The conditions for maintaining this certificate of registration are set forth in ISA's Registration Policies 5.1. This registration is granted subject to the organization maintaining compliance to the noted standard. The validity of this certificate is dependent upon ongoing surveillance audits.



President

**International Standards Authority, Inc.**

[www.isaregistrar.com](http://www.isaregistrar.com)  
525 Queensland Cir.  
Corona, CA 92879, USA  
Tel: 951-736-0035



# Certificate of Registration

ATTACHMENT TO REGISTRATION CERTIFICATE  
FOR CERTIFICATION NO. 1654

These registrations are dependent on Crane Aerospace & Electronics Aerospace Group, Burbank, California maintaining their registration with ISA to AS9100D/ISO 9001:2015 (see Cert. No. CERT-1654). Any lapse in the Crane Aerospace & Electronics Aerospace group, Burbank, California registration would require a review of these registrations concerning their continuing validity.

Facilities	Address	Scope
Hydro-Aire Aerospace Corp. (Central Function)	3000 Winona Ave. Burbank, CA 91510 USA	QA and management elements, customer related process, design and development, supply chain management, production, product support.
Crane Electronics, Inc.	16700 13 <sup>th</sup> Ave. West M/S M2-2 Lynnwood, WA 98037 USA	QA and management elements, customer related process, design and development, supply chain management, production.
ELDEC Aerospace Corp.	16700 13 <sup>th</sup> Ave. West Lynnwood, WA 98037 USA	QA and management elements, customer related process, design and development, supply chain management, production, product support.
Lear Romec A Division of Hydro-Aire Aerospace, Corp.	241 South Abbe Rd. Elyria, Ohio 44035 USA	QA and management elements, customer related process, design and development, supply chain management, production, product support.



The conditions for maintaining this certificate of registration are set forth in ISA's Registration Policies 5.1. This registration is granted subject to the organization maintaining compliance to the noted standard. The validity of this certificate is dependent upon ongoing surveillance audits.

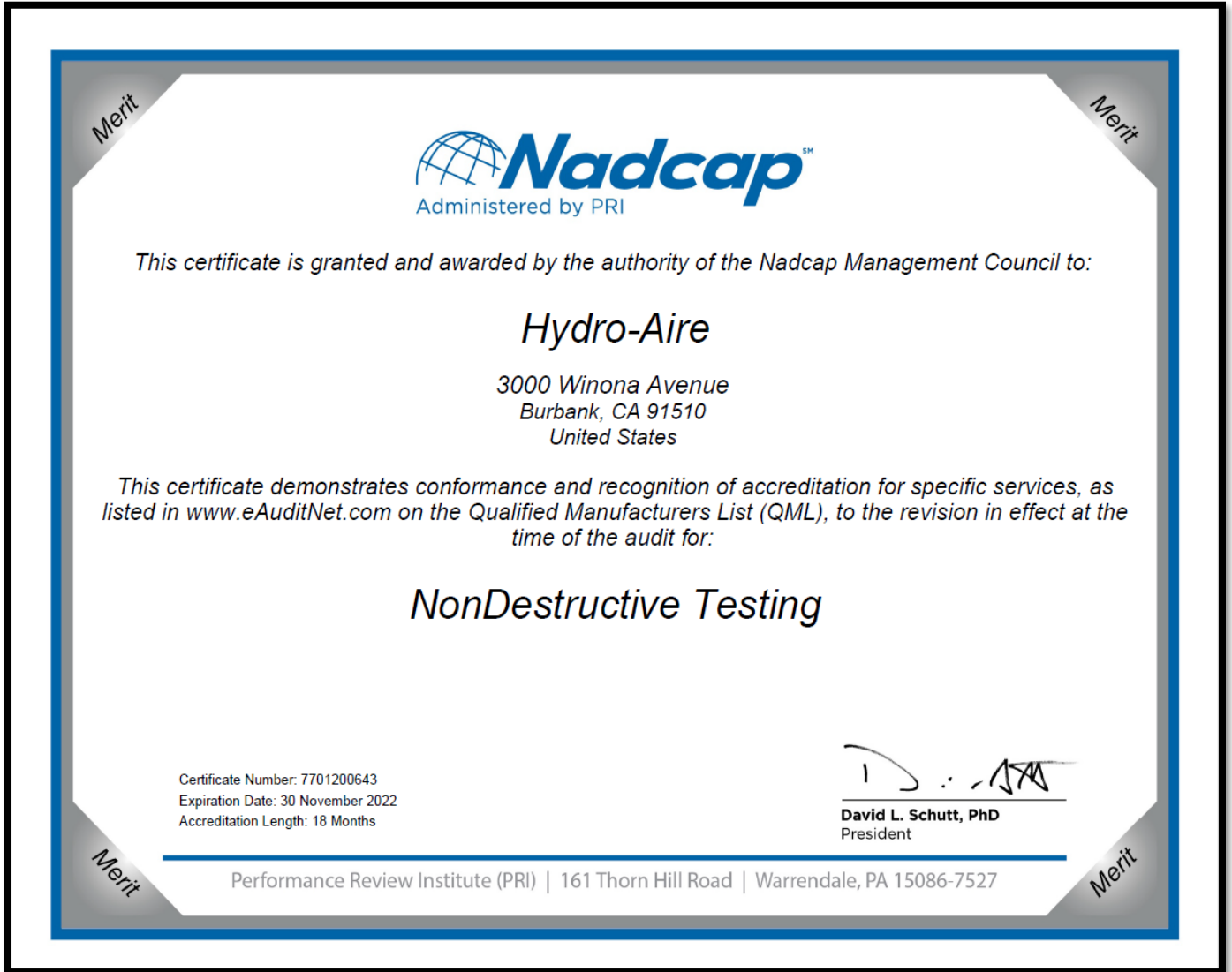


President *Kawziah Jabeel*

**International Standards Authority, Inc.**

[www.isaregistrar.com](http://www.isaregistrar.com)  
525 Queensland Cir.  
Corona, CA 92879, USA  
Tel: 951-736-0035

**CERTIFICATION: Nadcap- Non-Destructive Testing**





## SCOPE OF ACCREDITATION

### NonDestructive Testing

Hydro-Aire  
3000 Winona Avenue  
Burbank, CA 91510

This certificate expiration is updated based on periodic audits. The current expiration date and scope of accreditation are listed at: [www.eAuditNet.com](http://www.eAuditNet.com) - Online QML (Qualified Manufacturer Listing).

In recognition of the successful completion of the PRI evaluation process, accreditation is granted to this facility to perform the following:

**AC7114 Rev M - Nadcap Audit Criteria for NonDestructive Testing (NDT) Suppliers Accreditation (to be used on audits on/after 2 December 2018)**

**AC7114/1 Rev L - Nadcap Audit Criteria for NonDestructive Testing Facility Penetrant Survey (to be used on audits on/after 2 December 2018)**

**AC7114/2 Rev L - Nadcap Audit Criteria for NonDestructive Testing Magnetic Particle Survey (to be used on audits on/after 2 December 2018)**

**CERTIFICATION: FAA Repair Station Air Agency**  
**CERTIFICATE No.: QD3R785L**

UNITED STATES OF AMERICA  
DEPARTMENT OF TRANSPORTATION  
FEDERAL AVIATION ADMINISTRATION

# Air Agency Certificate

*Number* QD3R785L

*This certificate is issued to*

**HYDRO-AIRE AEROSPACE CORP.**

*whose business address is*

**3000 Winona Avenue  
Burbank, California 91504**

*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:*

**Accessory  
Class 1  
Class 2  
Class 3**

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

*Date issued:*

**July 24, 1970**

*By direction of the Administrator*

  
**ARVIE G. MCGINNIS, Manager  
AFG-VNY-FSDO-01**

**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**

CERTIFICATION: CAAC Maintenance Organization (Pg. 1 of 2)



中国民用航空局  
CIVIL AVIATION ADMINISTRATION OF CHINA (CAAC)

维修许可证  
MAINTENANCE ORGANIZATION CERTIFICATE

编号/No. F00100601

单位名称/NAME OF ORGANIZATION:

Hydro-Aire Inc.

单位地址/BUSINESS ADDRESS:

3000 Winona Avenue Burbank California 91504 USA

经审查，该单位符合中国民用航空规章第 145 部的要求，可以从事如下类别的维修工作：  
Upon finding that the organization complies with the requirements of **CHINA CIVIL AVIATION REGULATION(CCAR)** Part 145, the above organization is adequate to accomplish maintenance of the following ratings:

Component Maintenance

- ☆ -

本许可证除被放弃、暂停或吊销，在下述期限内将一直有效。

This certificate, unless cancelled, suspended, or revoked, shall continue in effect until:

2022-12-31

局长授权/ FOR THE ADMINISTRATOR OF CAAC

签字/SIGNATURE:

XUE Shijun

职务/POSITION:

Deputy Director General of FSD

颁发日期/DATE ISSUED:

2014-04-10

再次颁发日期/DATE REISSUED:

2021-04-06





中国民用航空局  
CIVIL AVIATION ADMINISTRATION OF CHINA (CAAC)

许可维修项目  
LIMITATION OF MAINTENANCE ITEMS

限定/LIMITATION:

对第 F00100601 号许可证所列维修类别限定如下地点和项目:

Location and items set forth on Maintenance Organization Certificate No. F00100601  
is/are limited to the following:

LOCATION: Burbank

Inspection, Repair, Overhaul and Modification of the following Components:

Fuel (ATA-28): Limit to 2820 Aircraft Fuel Distribution System; 2822 Fuel Boost Pump.

Hydraulic Power (ATA-29): Limit to 2900 Hydraulic Power System; 2911 Hydraulic Power Accumulator, Main.

Landing Gear (ATA-32): Limit to 3240 Landing Gear Brake System; 3241 Brake Anti-Skid Section.

Detail as listed in CAAC approved maintenance capability list.

- ☆ -

局长授权/ FOR THE ADMINISTRATOR OF CAAC

签字/SIGNATURE:

XUE Shijun

职务/POSITION:

Deputy Director General of FSD

颁发日期/DATE ISSUED:

2014-03-10

再次颁发日期/DATE REISSUED:

02101006



## CERTIFICATION: EASA Certificate and Renewal (Pg. 1 of 2)



**Lorenzo PELLEGRINI**  
Maintenance Organisation Oversight Section Manager  
Flight Standards Directorate

2022 /IFPF35323/Flight Standards  
Cologne, 23 April 2022

The Quality Manager  
HYDRO-AIRE AEROSPACE CORP.  
P.O. BOX 7722  
91510 BURBANK CALIFORNIA  
UNITED STATES

**Subject:** Renewal of EASA Part-145 approval in accordance with the provisions of the Agreement between the United States of America and the European Community on Cooperation in the Regulation of Civil Aviation Safety.

**Enclosure:** EASA Part-145 approval certificate

Dear Sir or Madam,

Following a positive recommendation from the FAA the European Union Aviation Safety Agency is pleased to confirm the renewed validity of Part-145 approval:

**EASA.145.4560**

Subject to continued compliance with the FAR 145 and the EASA special conditions as detailed in the Agreement between the United States of America and the European Community on Cooperation in the Regulation of Civil Aviation Safety and associated Maintenance Annex Guidance (MAG), your renewal date will be:

**31 July 2024**

To ensure that the FAA and EASA have sufficient time to process your renewal please provide your renewal paperwork package at least 90 days before the date above. Do refer to the latest renewal procedures and documents available from <https://www.easa.europa.eu/> to avoid delays.

This certificate supersedes the previous revision of the approval certificate. Please destroy the superseded certificate. There is no need for you to return it to the Agency.

Should you have further queries, please do not hesitate to contact us at the e-mail indicated below. Please assist us by always quoting your EASA approval number in any correspondence with the Agency.

Yours faithfully,

Lorenzo PELLEGRINI

**This is a computer generated document valid without a signature**



TE.GEN.00101-006

Postal address: Postfach 10 12 53,  
50452 Cologne, Germany  
Visiting address: Konrad-Adenauer Ufer, 3  
50668 Cologne, Germany

Tel.: +49 221 8999 6208  
E-mail: [foreign145@easa.europa.eu](mailto:foreign145@easa.europa.eu)  
Web: [www.easa.europa.eu](http://www.easa.europa.eu)  
ISO 9001:2008 Certified

**CERTIFICATION: EASA Certificate and Renewal (Pg. 2 of 2)**



**U.S. APPROVAL CERTIFICATE**

**EASA.145.4560**

Taking into account the provisions of Article 68 of Regulation (EU) 2018/1139 of the European Parliament and of the Council and the bilateral agreement currently in force between the European Community and the Government of the United States of America, the European Union Aviation Safety Agency (EASA) hereby certifies:

**HYDRO-AIRE AEROSPACE CORP.**

FAA Number: QD3R785L

**3000 WINONA AVENUE  
91504 BURBANK CALIFORNIA  
UNITED STATES**

as a Part-145 maintenance organization approved to maintain the products listed in the FAA Air Agency Certificate and associated Operations Specifications and issue related certificates of release to service using the above reference, subject to the following conditions:

1. The scope of the approval is limited to that specified on the 14 CFR part 145 repair station Air Agency Certificate, and the associated Operations Specifications for work carried out in the United States (unless otherwise agreed in a particular case by EASA).
2. The approval scope shall not exceed the permitted EASA Part-145 ratings as detailed in Regulation EC (No) 1321/2014.
3. This approval requires continued compliance with 14 CFR part 145 and the differences as specified in the Maintenance Annex Guidance (MAG), including the use of the FAA Form 8130-3 for release/return to service of components up to and including power plants.
4. Certificates of return to service must quote the EASA Part-145 approval reference number quoted above and the 14 CFR part 145 Air Agency Certificate number.
5. Subject to compliance with the foregoing conditions, this approval shall remain valid until:

31 July 2024

unless the approval is surrendered, superseded, suspended or revoked.

Date of issue: 23 April 2022

Signed:

For the European Union Aviation Safety Agency



EASA Form 3 – RP – U.S. Approval Certificate Rev 1

An Agency of the European Union



Page 1 of 1

## DRUG AND ALCOHOL PROGRAM



September 11, 2020

Crane Aerospace

**RE: DOT RANDOM SELECTION PROGRAM (FAA) - 2020**

Crane Aerospace is an active member of the random drug and alcohol program with Sterling Talent Solutions since 7/1/2017. The program is self-administered, and the client is fully responsible for updating eligible pools and generation of random selections. Selections are made quarterly based on the yearly testing rate of 25% Drug and 10% Alcohol as required by the Federal Aviation Administration, 14 CFR Part 120 and 49 CFR Part 40. Current random testing rates are posted on the DOT Web page located at <http://www.dot.gov/odapc/random-testing-rates>.

Regards

Donna Piros  
DH&S Team Lead  
Sterling Talent Solutions

# Operations Specification Table of Contents

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U.S. Department  
of Transportation  
Federal Aviation  
Administration

## Operations Specifications

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#### Part A

	HQ CONTROL DATE	EFFECTIVE DATE	AMENDMENT NUMBER
001 Issuance and Applicability	02/11/2016	02/18/2022	8
002 Definitions and Abbreviations	12/14/2017	02/18/2022	9
003 Ratings and Limitations	04/03/2017	02/18/2022	6
004 Summary of Special Authorizations and Limitations	09/23/1998	02/18/2022	12
007 Designated Persons	09/08/2021	02/18/2022	21
025 Electronic/Digital Recordkeeping System, Electronic/Digital Signature, and Electronic Media	04/03/2017	03/17/2022	4
449 Drug and Alcohol Testing Program	08/30/2021	02/18/2022	7

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Hydro-Aire Aerospace Corp.

Part A-1  
Print Date: 3/17/2022

Certificate No.: QD3R785L

# Operations Specification A001-1

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U.S. Department  
of Transportation  
Federal Aviation  
Administration

## Operations Specifications

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### **A001 . Issuance and Applicability**

**HQ Control: 02/11/2016**

**HQ Revision: 05e**

a. These operations specifications are issued to Hydro-Aire Aerospace Corp., 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:  
3000 Winona Ave.  
Burbank, California 91504

Mailing Address:  
P.O. Box 7722  
Burbank, California 91510

b. The holder of these operations specifications is the holder of certificate number QD3R785L 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. The repair station specified on these operations specifications and located within the United States performs maintenance and/or an alteration of aircraft and/or aeronautical products to be installed on aircraft under the terms and conditions of the U.S./EU Safety Agreement, Annex 2, Maintenance, between the FAA and the EU.

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

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Hydro-Aire Aerospace Corp.

A001-1  
Amdt. No: 8

Certificate No.: QD3R785L

## Operations Specification A001-2

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U.S. Department  
of Transportation  
Federal Aviation  
Administration

Operations Specifications

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



Digitally signed by Homayoun Jandaghi, Principal Avionics Inspector (WP01)  
[1] EFFECTIVE DATE: 2/18/2022, [2] AMENDMENT #: 8  
DATE: 2022.02.18 07:37:01 -06:00

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

Handwritten signature of Gene Schreiner in blue ink.

Handwritten date "2/24/22" in blue ink.

Gene Schreiner, Sr. Manager of Quality

Date

---

Hydro-Aire Aerospace Corp.

A001-2  
AmdL No: 8

Certificate No.: QD3R785L

# Operations Specification A002-1

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U.S. Department  
of Transportation  
Federal Aviation  
Administration

## Operations Specifications

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### 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.

<b>BASA</b>	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.
<b>Certificate Holder</b>	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.
<b>CAAS</b>	Civil Aviation Authority of Singapore
<b>CFR</b>	Code of Federal Regulations
<b>Class Rating</b>	As used with respect to the certification, ratings, privileges of airframes, powerplants, propellers, radios, instruments, and accessories within a category having similar operating characteristics.
<b>EASA</b>	European Aviation Safety Agency
<b>EASA Accountable Manager</b>	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.
<b>EU</b>	European Union
<b>Exemption</b>	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.
<b>FOCA</b>	Federal Office of Civil Aviation
<b>FAA Accountable Manager</b>	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.

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Hydro-Aire Aerospace Corp.

A002-1  
Amdt. No: 9

Certificate No.: QD3R785L

## Operations Specification A002-2

U.S. Department  
of Transportation  
Federal Aviation  
Administration

### Operations Specifications

<b>Geographic Authorization</b>	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.
<b>Limited Rating</b>	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.
<b>Limited Ratings - Specialized Services</b>	Rating issued for a special maintenance function when the function is performed in accordance with a specification approved by the Administrator.
<b>Line Maintenance</b>	Any unscheduled maintenance resulting from unforeseen events, or scheduled checks where certain servicing and/or inspections do not require specialized training, equipment, or facilities.
<b>MAG</b>	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.
<b>Maintenance</b>	The inspection, overhaul, repair, preservation, and replacement of parts, but excludes preventive maintenance.
<b>U.S./EU Aviation Safety Agreement, Annex 2, Maintenance</b>	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.
<b>MIP</b>	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).
<b>MOE</b>	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.

Hydro-Aire Aerospace Corp.

A002-2  
Amdt. No: 9

Certificate No.: QD3R785L

# Operations Specification A002-3

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U.S. Department  
of Transportation  
Federal Aviation  
Administration

## Operations Specifications

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

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



Digitally signed by Homayoun Jandaghi, Principal Avionics Inspector (WP01)  
[1] EFFECTIVE DATE: 2/18/2022, [2] AMENDMENT #: 9  
DATE: 2022.02.18 07:37:09 -06:00

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

A handwritten signature in blue ink, appearing to read "Gene Schreiner".

Gene Schreiner, Sr. Manager of Quality

A handwritten date in blue ink, "2/24/22".

Date

---

Hydro-Aire Aerospace Corp.

A002-3  
Amdt. No: 9

Certificate No.: QD3R785L

# Operations Specification A003-1

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U.S. Department  
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Administration

## Operations Specifications

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### **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**

Accessory Class 1: Mechanical Accessories

Accessory Class 2: Electrical Accessories

Accessory Class 3: Electronic Accessories

#### **Limited Ratings**

<b><u>Rating</u></b>	<b><u>Manufacturer</u></b>	<b><u>Make/Model</u></b>	<b><u>Limitations</u></b>
None Authorized			

#### **Limited Ratings - Specialized Services**

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

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Hydro-Aire Aerospace Corp.

A003-1  
Amdt. No: 6

Certificate No.: QD3R785L

## Operations Specification A003-2

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Administration

Operations Specifications

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



Digitally signed by Homayoun Jandaghi, Principal Avionics Inspector (WP01)  
[1] EFFECTIVE DATE: 2/18/2022, [2] AMENDMENT #: 6  
DATE: 2022.02.18 07:37:16 -06:00

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

Handwritten signature of Gene Schreiner in blue ink.

Handwritten date "2/24/22" in blue ink.

Gene Schreiner, Sr. Manager of Quality

Date

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Hydro-Aire Aerospace Corp.

A003-2  
Amdt. No: 6

Certificate No.: QD3R785L

# Operations Specification A004-1

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U.S. Department  
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Operations Specifications

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**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 safety-sensitive functions requiring a drug and alcohol testing program under 14 CFR part 120	A449

**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 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 work, excluding continuous operations, at additional locations other than at its primary Fixed Location.	D100
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

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Hydro-Aire Aerospace Corp.

A004-1  
Amdt. No: 12

Certificate No.: QD3R785L

# Operations Specification A004-2

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[1] EFFECTIVE DATE: 2/18/2022, [2] AMENDMENT #: 12  
DATE: 2022.02.18 07:37:23 -06:00

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

  
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Gene Schreiner, Sr. Manager of Quality

2/24/22

Date

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Hydro-Aire Aerospace Corp.

A004-2  
Amdt. No: 12

Certificate No.: QD3R7851.

# Operations Specification A007-1

U.S. Department  
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## Operations Specifications

### A007 . Designated Persons

HQ Control: 09/08/2021

HQ Revision: 03a

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	Email Address
FAA Accountable Manager, 145 / Senior Quality Engineer	Lundin, Dana	A	dana.lundin@craneac.com
Repair Station Manager	Pinkston, Nancy	A	nancy.pinkston@craneac.com
EASA Accountable Manager, 145 / Sr. Director of Operations	Shively, Keith	A	keith.shively@craneac.com
Sr. Manager of Quality	Schreiner, Gene	A	eugene.schreiner@craneac.com

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
Dana Lundin	dana.lundin@craneac.com	(818)526-2429	ALL.
Nancy Pinkston	nancy.pinkston@craneac.com	(818)526-2586	ALL.
Keith Shively	keith.shively@craneac.com	818-526-2623	ALL.

Hydro-Aire Aerospace Corp.

A007-1  
Amdt. No: 21

Certificate No.: QD3R785L

## Operations Specification A007-2

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[1] EFFECTIVE DATE: 2/18/2022, [2] AMENDMENT #: 21  
DATE: 2022.02.18 07:37:30 -06:00

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

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A handwritten date '2/24/22' in blue ink, written over a horizontal line.

Gene Schreiner, Sr. Manager of Quality

Date

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Hydro-Aire Aerospace Corp.

A007-2  
AmdL No: 21

Certificate No.: QD3R785L

## Operations Specification A025-1

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U.S. Department  
of Transportation  
Federal Aviation  
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### Operations Specifications

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**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.)

Hydro-Aire is transitioning to a system where all training records, work processing records including test data, material and process certifications, and Quality System Documentation are maintained and updated on the Hydro-Aire network drive. This is a secure intranet database which has an automated back-up system and is accessible to authorized employees through the Hydro-Aire Intranet database. These and the older hard copy records will be maintained as required per 14 CFR 145.219.

Hydro-Aire Aerospace Corp., is authorized and may utilize an Electronic/Digital Recordkeeping System in accordance with the following Hydro-Aire Aerospace Corp., Repair Station Manuals:

Refer to: Hydro-Aire Aerospace Corp., Repair Station and Quality Control Manual, Section 5.

- 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").

Hydro-Aire Aerospace Corp., is authorized and may utilize an Electronic Media in accordance with the following Hydro-Aire Aerospace Corp., Repair Station Manuals:

Refer to: Hydro-Aire Aerospace Corp., Repair Station and Quality Control Manual, Section 5.

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Hydro-Aire Aerospace Corp.

A025-1  
Amdt. No: 4

Certificate No.: QD3R785L

# Operations Specification A025-2

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## Operations Specifications

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[1] EFFECTIVE DATE: 3/17/2022, [2] AMENDMENT #: 4  
DATE: 2022.03.17 16:36:36 -05:00

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

*Dana Lundin*

*3-18-2022*

Dana Lundin, Senior Quality Engineer

Date

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Hydro-Aire Aerospace Corp.

A025-2  
Amdt. No: 4

Certificate No.: QD3R785L

# Operations Specification A449-1

U.S. Department  
of Transportation  
Federal Aviation  
Administration

## Operations Specifications

### A449 . Drug and Alcohol Testing Program

HQ Control: 08/30/2021

HQ Revision: 00b

- a. The 14 CFR Part 145 repair station certificate holder has implemented a drug and alcohol testing program because the certificate holder performs safety-sensitive functions for a 14 CFR Part 121, 121/135, and/or 135 certificate holder, and/or for a 14 CFR Part 91 operator conducting operations under § 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 drug and alcohol testing program.
- c. Drug and alcohol testing 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 Drug and Alcohol Testing Program Records	
Telephone Number:	A1 (818) 526-2600
Address:	3000 Winona Ave
Address:	
City:	Burbank
State:	CA
Zip code:	91504

### d. Limitations and Provisions.

(1) The FAA's Drug Abatement Division is responsible for oversight and enforcement of the DOT/FAA-mandated drug and alcohol testing program. Questions regarding the program requirements or regulations must be directed to the Drug Abatement Division at 202-267-8442 or drugabatement@faa.gov.

(2) The certificate holder is responsible for updating this operations specification when any of the following changes occur:

(a) Phone number and address where the drug and alcohol testing 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

Hydro-Aire Aerospace Corp.

A449-1  
Amdt. No: 7

Certificate No.: QD3R785L

## Operations Specification A449-2

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Operations Specifications

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on January 1 of any calendar year must submit an annual report upon request of the Administrator.

e. The certificate holder has 50 or more safety-sensitive employees.

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2. These Operations Specifications are approved by direction of the Administrator.



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[1] EFFECTIVE DATE: 2/18/2022, [2] AMENDMENT #: 7  
DATE: 2022.02.18 08:27:10 -06:00

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

A handwritten signature in blue ink, appearing to read "Gene Schreiner".

2/24/22

Gene Schreiner, Sr. Manager of Quality

Date

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Hydro-Aire Aerospace Corp.

A449-2  
Amdt. No: 7

Certificate No.: QD3R785L