

# Lear Romec Division of Hydro-Aire Aerospace Corp.

## Company Information Package

February 2022



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# Table of Contents



TABLE OF CONTENTS.....	2	CERTIFICATION: ISO 9001:2015 AS9100D.....	18
NAME CHANGE.....	3	CERTIFICATION: Nadcap- Non-Destructive Testing.....	19
GENERAL INFORMATION.....	4	CERTIFICATION: Nadcap- Heat Treating.....	20
DESCRIPTION OF BUSINESS.....	5	CERTIFICATION: Nadcap- Nonconventional Machining.....	21
ORGANIZATION STRUCTURE.....	6	CERTIFICATION: FAA Repair Station.....	22
REMITTANCE DETAILS.....	7	CERTIFICATION: CAAC Maintenance Organization.....	23
W-9 FORM.....	8	CERTIFICATION: EASA Certificate and Renewal.....	24
CUSTOMER SUPPORT.....	9	DRUG AND ALCOHOL PROGRAM.....	25
REPAIR FACILITIES.....	9	Operations Specification Table of Contents.....	26
QUALITY ASSURANCE.....	9	Operations Specification A001-1.....	27
AUDITS / INSPECTIONS.....	9	Operations Specification A001-2.....	27
RISK MANAGEMENT AND CORRECTIVE ACTION.....	10	Operations Specification A002-1.....	28
DESIGN AND MANUFACTURING OPERATIONS.....	10	Operations Specification A002-2.....	29
SPECIAL PROCESSES.....	10	Operations Specification A002-3.....	30
PROCUREMENT.....	10	Operations Specification A003-1.....	31
NONCONFORMANCES.....	11	Operations Specification A003-2.....	32
CALIBRATION OF MEASUREMENT AND TEST EQUIPMENT.....	11	Operations Specification A004-1.....	33
TECHNICAL TRAINING.....	11	Operations Specification A004-2.....	34
RECORDS AND DATA RETENTION.....	11	Operations Specification A007-1.....	35
REPAIR STATION: Audit Checklist Responses 1 – 4.....	12	Operations Specification A449-1.....	36
REPAIR STATION: Audit Checklist Responses 5 – 6.....	13	Operations Specification A449-2.....	37
REPAIR STATION: Audit Checklist Responses 7 – 9.....	14		
REPAIR STATION: Audit Checklist Responses 10 – 12.....	15		
REPAIR STATION: Audit Checklist Responses 13.....	16		
REPAIR STATION: Audit Checklist Responses 14 – 15.....	17		

# Name Change



## Name Change Letter Sent to Customers in January 2022

We are writing to inform you of the internal reorganization by Lear Romec division of 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 Lear Romec division of 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 will take 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 are working with regulatory agencies to revise our Repair Station Air Agency Certificate, Operations Specifications, EASA Supplement, CAAC Maintenance Management Manual, & Nadcap Certificates. These documents have not been revised as yet. As soon as we get these documents, we will post them on the Crane website located at <https://www.craneae.com/quality>

# General Information



## Company Identification

Billing/Ship-to Address: 241 South Abbe Road, Elyria, Ohio 44035

Mailing Address: P.O. Box 4014, Elyria, OH 44036-4014

Website: [www.craneae.com](http://www.craneae.com)

Phone: 440-323-3211

Parent Company: Crane Co. [www.craneco.com](http://www.craneco.com)

R&O Order/RFQ: [CAE-ELY-RO@craneae.com](mailto:CAE-ELY-RO@craneae.com)

Spares Order/RFQ: [CraneElyriaSpares@craneae.com](mailto:CraneElyriaSpares@craneae.com)

## General Company Information

Years in business: 118 (founded 1904)

Tax ID: 87-3816501 (attached below)

Duns #: 11-854-2191

Cage Code: 51663

ARINC/SITA: CLELRXD

SIC: 3728

NAIC: 336413

Employees: ~200 full time

Facility Size: 120,000 square feet

For additional info: Please visit our website – [www.craneae.com](http://www.craneae.com)

## Points-of-Contact

Customer Admin Manager: Brian Komar – [Brian.Komar@craneae.com](mailto:Brian.Komar@craneae.com)

Quality Manager: Jason Crutchley – [Jason.Crutchley@craneae.com](mailto:Jason.Crutchley@craneae.com)

Product Support Engineering: John Desmone – [John.Desmone@craneae.com](mailto:John.Desmone@craneae.com)

R&O Accountable Manager/VSM: Joe Baz – [Joseph.Baz@craneae.com](mailto:Joseph.Baz@craneae.com)

Business Development: Seamus O'Brien - [Seamus.O'Brien@craneae.com](mailto:Seamus.O'Brien@craneae.com)

## Additional Information

Crane Aerospace & Electronics is **ISO 9001 Certified**

Crane Aerospace & Electronics is **AS9100 Certified**

Crane Aerospace & Electronics meets the requirements of the Aviation Suppliers Association standard ASA-100 per FAA Advisory Circular 00-56.

Crane Aerospace & Electronics is registered with the US Department of State, Directorate of Defense Trade Controls (DDTC) as defined in the International Traffic in Arms Regulations (ITAR) 22 CFR 122.1 Registration requirements.



# Description of Business

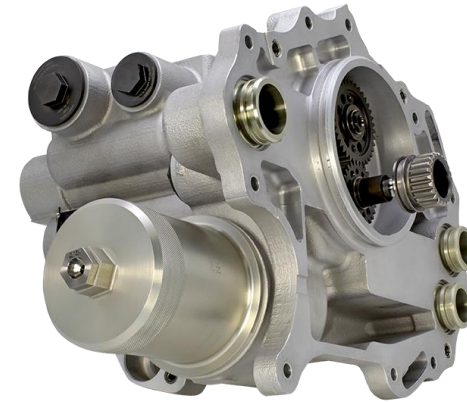


Crane is a world leader in the design and manufacture of positive displacement pumps, centrifugal pumps and true mass flowmeters used in aerospace and defense markets. We bring over 100 years of application, development and certification expertise, and are recognized for proven performance, technology, accuracy, and reliability.

Centrifugal Pumps: Crane Aerospace & Electronics designs, manufactures and supports a wide variety of centrifugal pumps. Pad and motor driven designs for fuel, fuel boost, and jettison pumps are used on many general aviation, business jet, commercial transport, and military aircraft applications. Major features include inverted flight capability, fully submerged operation, explosion-proof electric motors, liquid seal priming element, and dry run capability. Additionally, our pump design can incorporate an AC motor, DC brush motor, DC brushless motor, 270-volt DC motor, or a hydraulic motor

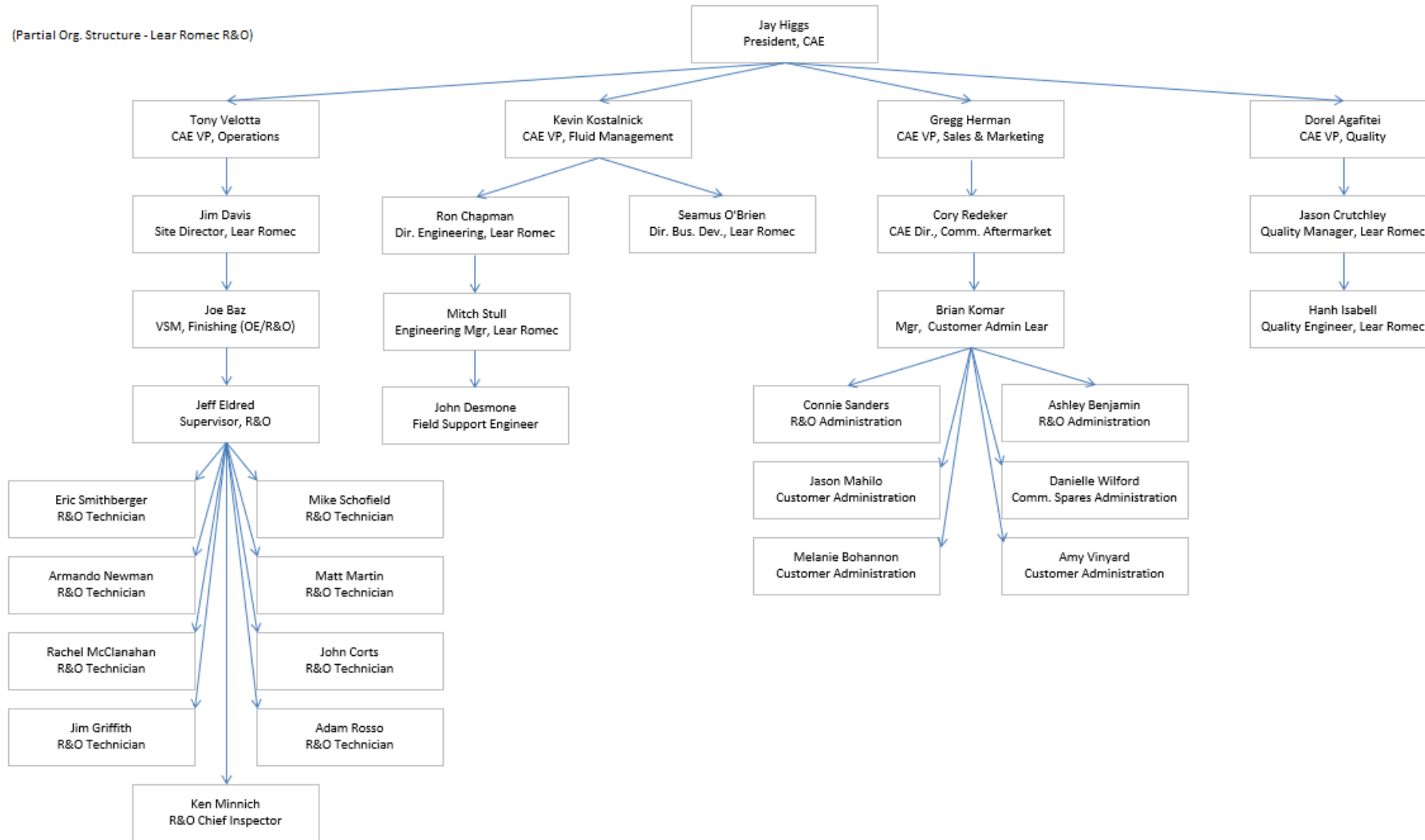
Positive Displacement Pumps: Crane offers the highest reliability aerospace positive displacement pumps in vane, gerotor and spur gear configurations. Our ETOPS-rated, gearbox-mounted vane element lube and scavenge pumps provide our customers with superior air and oil pumping capability. Gerotor oil pumps have a single shaft design with fewer parts and single or multi-element configurations. Spur gear pumps offer a lot of pump in a confined space with a shorter package and high-pressure capability. Coolant pumps can include integral motor controller, reservoir, and valves to complement any application.

Fuel Flow Transmitters: As the pioneer of true mass motorless fuel flow transmitters, Crane provides a full line of transmitters that measure the fuel flow rate for turbine engines directly in mass, not volume, for unmatched accuracy. You're assured exceptional reliability backed by over 25,000 units in service and an MTBF of 50,000 hours.



# Organization Structure

(Partial Org. Structure - Lear Romec R&O)



# Remittance Details



## REMITTANCE DETAILS

**Please send CHECKS to:**

Lear Romec a Division of  
Hydro-Aire Aerospace Corp.  
PO Box 932625  
Atlanta, GA 31193-2625

**Overnight Address:**

Wells Fargo Lockbox Services  
Lockbox 932625  
3585 Atlanta Ave  
Hapeville, GA 30354

**Cage Code:**  
51663  
**D&B D-U-N-S Number:**  
11-854-2191  
**Tax ID Number:**  
87-3816501

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

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

**Please send ACH or WIRE  
TRANSFERS to:**

Bank Name: Wells Fargo  
Wire/ACH #: 121000248  
SWIFT/BIC: WFBIUS6S  
Account Name:  
Hydro-Aire Aerospace Corp  
Account #: 4538327537

**Bank Address:**

Wells Fargo Bank  
420 Montgomery Street  
San Francisco, CA 94104

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)

# W-9 Form



<p><b>Form W-9</b> (Rev. October 2018) Department of the Treasury Internal Revenue Service</p>	<p><b>Request for Taxpayer Identification Number and Certification</b></p> <p>▶ Go to <a href="http://www.irs.gov/FormW9">www.irs.gov/FormW9</a> for instructions and the latest information.</p>	<p>Give Form to the requester. Do not send to the IRS.</p>																																													
<p>1 Name (as shown on your income tax return). Name is required on this line; do not leave this line blank. <u>Hydro-Aire Aerospace Corp.</u></p> <p>2 Business name/disregarded entity name, if different from above <u>DBA Lear Romec</u></p> <p>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.</p> <p><input type="checkbox"/> Individual/sole proprietor or single-member LLC</p> <p><input checked="" type="checkbox"/> C Corporation</p> <p><input type="checkbox"/> S Corporation</p> <p><input type="checkbox"/> Partnership</p> <p><input type="checkbox"/> Trust/estate</p> <p><input type="checkbox"/> Limited liability company. Enter the tax classification (C=C corporation, S=S corporation, P=Partnership) ▶</p> <p><small>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.</small></p> <p><input type="checkbox"/> Other (see instructions) ▶</p> <p>4 Exemptions (codes apply only to certain entities, not individuals; see instructions on page 3):</p> <p>Exempt payee code (if any) <u>5</u></p> <p>Exemption from FATCA reporting code (if any) <u>D</u></p> <p><small>(Applies to accounts maintained outside the U.S.)</small></p> <p>5 Address (number, street, and apt. or suite no.) See instructions. <u>241 South Abbe Road</u></p> <p>6 City, state, and ZIP code <u>Elyria, OH 44035</u></p> <p>7 List account number(s) here (optional)</p>	<p>Requester's name and address (optional)</p>																																														
<p><b>Part I Taxpayer Identification Number (TIN)</b></p> <p>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 <i>How to get a TIN</i>, later.</p> <p><small>Note: If the account is in more than one name, see the instructions for line 1. Also see <i>What Name and Number To Give the Requester</i> for guidelines on whose number to enter.</small></p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td colspan="9" style="text-align: center;">Social security number</td> </tr> <tr> <td style="width: 25px;"> </td> <td style="width: 25px;"> </td> <td style="width: 25px;"> </td> <td style="width: 25px;">-</td> <td style="width: 25px;"> </td> <td style="width: 25px;"> </td> <td style="width: 25px;"> </td> <td style="width: 25px;"> </td> <td style="width: 25px;"> </td> </tr> <tr> <td colspan="9" style="text-align: center;">or</td> </tr> <tr> <td colspan="9" style="text-align: center;">Employer identification number</td> </tr> <tr> <td style="width: 25px;">8</td> <td style="width: 25px;">7</td> <td style="width: 25px;">-</td> <td style="width: 25px;">3</td> <td style="width: 25px;">8</td> <td style="width: 25px;">1</td> <td style="width: 25px;">6</td> <td style="width: 25px;">5</td> <td style="width: 25px;">0</td> </tr> </table>			Social security number												-						or									Employer identification number									8	7	-	3	8	1	6	5	0
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<p><b>Part II Certification</b></p> <p>Under penalties of perjury, I certify that:</p> <ol style="list-style-type: none"> <li>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</li> <li>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</li> <li>I am a U.S. citizen or other U.S. person (defined below); and</li> <li>The FATCA code(s) entered on this form (if any) indicating that I am exempt from FATCA reporting is correct.</li> </ol> <p><b>Certification instructions.</b> 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.</p>																																															
<p><b>Sign Here</b>      Signature of U.S. person ▶ <u>Katherine Torres</u>      Date ▶ <u>02/01/2022</u></p>																																															
<p><b>General Instructions</b></p> <p>Section references are to the Internal Revenue Code unless otherwise noted.</p> <p><b>Future developments.</b> For the latest information about developments related to Form W-9 and its instructions, such as legislation enacted after they were published, go to <a href="http://www.irs.gov/FormW9">www.irs.gov/FormW9</a>.</p> <p><b>Purpose of Form</b></p> <p>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:</p> <ul style="list-style-type: none"> <li>Form 1099-INT (interest earned or paid)</li> <li>Form 1099-DIV (dividends, including those from stocks or mutual funds)</li> <li>Form 1099-MISC (various types of income, prizes, awards, or gross proceeds)</li> <li>Form 1099-B (stock or mutual fund sales and certain other transactions by brokers)</li> <li>Form 1099-S (proceeds from real estate transactions)</li> <li>Form 1099-K (merchant card and third party network transactions)</li> <li>Form 1098 (home mortgage interest), 1098-E (student loan interest), 1098-T (tuition)</li> <li>Form 1099-C (canceled debt)</li> <li>Form 1099-A (acquisition or abandonment of secured property)</li> </ul> <p>Use Form W-9 only if you are a U.S. person (including a resident alien), to provide your correct TIN.</p> <p><i>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.</i></p>																																															
Cat. No. 10231X	Form <b>W-9</b> (Rev. 10-2018)																																														



# Customer Support



## CUSTOMER SUPPORT

The [Product Support Team Directory](#) provides the latest updates for communications concerning repairs, publications, and technical assistance. 24-hour AOG emergency support is available at (440) 323-3211.

Note: LEAR ROMEC DIVISION OF HYDRO-AIRE AEROSPACE CORP. is in the U.S. – Eastern Time Zone. CAGE Code = 51663.

## AUDITS / INSPECTIONS

LEAR ROMEC DIVISION OF 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.

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.

## REPAIR FACILITIES

LEAR ROMEC DIVISION OF HYDRO-AIRE AEROSPACE CORP currently has 9 FAA Repairmen and holds PMA on numerous products. The on-site FAA Repair Station currently services only LEAR ROMEC DIVISION OF HYDRO-AIRE AEROSPACE CORP.-designed equipment. Hence, the document control system for repairs is equivalent to the system for manufacturing operations. 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 LEAR ROMEC DIVISION OF 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 routinely audited and approved by CAAC (Civil Aviation Administration of China), DCMA -Cleveland, aircraft and manufacturers, system integrators and individual airlines. Numerous customers have approved LEAR ROMEC DIVISION OF HYDRO-AIRE AEROSPACE CORP.as a Delegated Quality Source Representatives.

# Risk Management and Corrective Action



## RISK MANAGEMENT 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.

LEAR ROMEC DIVISION OF 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 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. LEAR ROMEC DIVISION OF HYDRO-AIRE AEROSPACE CORP. can support environmental, EMI and Non-Destructive Testing (NDT). LEAR ROMEC DIVISION OF 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 LEAR ROMEC DIVISION OF 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

# Calibration of Test Equipment



## 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 LEAR ROMEC DIVISION OF 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.

## RECORDS AND DATA RETENTION

The Repair Station Manager, or designee, is responsible for the Records Retention System. All documents of a Work Order are included in the work packet and retained. A detailed record shall be kept of all work performed by the repair station. The General Condition Report (Form C6744A), Routing, Final Test Data, Sales Order, and any attached supplementary form(s) associated with the work order will be maintained in the repair station records section. Records are maintained in filing cabinets in the Repair Station Administration Office for approximately one (1) year then transferred to a storage area (boxed and labeled) on site at Lear Romec for an additional year. All record packets meet the minimum requirements of FAR 43.9 and are generated and filed in English. When requested, records will be made available to FAA or NTSB when within the seven (7) year retention period. All records attached to each work order are retained in the work packet.

## TECHNICAL TRAINING & OVERALL 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. All technicians are routinely trained on components that return for repair and overhaul to ensure a minimum level of competence.

Overall R&O training involves injury reporting & BBP awareness, severe weather responses, emergency response & evacuation, fire prevention, storm water pollution control, active shooter, PPE, hazard communication, electrical safety & lockout awareness, FOD, respirator usage, ergonomics awareness, Hazmat, and vision screening.

## 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.

# Audit Checklist Responses 1 - 4



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

1. CERTIFICATION	YES	NO	N/A
A. Does REPAIR STATION hold an FAA repair station certificate?	X		
B. Record certificate number. <u>C7CR238J</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		
2. ANTI-DRUG	YES	NO	N/A
A. Does the REPAIR STATION have an FAA approved anti-drug plan?	X		
B. Consortium/air carrier name, if applicable: Sterling Talent Solutions	X		
3. GENERAL	YES	NO	N/A
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		

4. QUALITY CONTROL	YES	NO	N/A
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		

# Audit Checklist Responses 5 - 6



5. INSPECTION	YES	NO	N/A
A. Are inspectors properly trained and certified?	X		
B. Is there proper separation of maintenance and inspection responsibilities for vendors that perform required inspections?	X		
C. Does REPAIR STATION maintain a list of items each inspector is authorized to inspect?	X		
D. Does REPAIR STATION perform any required inspections for any customers?	X		
E. Does repair station roster identify all supervisory and inspection personnel?	X		
F. Does the roster identify all personnel authorized for return to service?	X		
G. Does the repair station have an employment summary for all personnel listed on the repair station roster?	X		
H. Does the REPAIR STATION have an acceptable receiving inspection system?	X		
I. Does the REPAIR STATION have an acceptable procedure to identify customer parts?	X		
J. Does REPAIR STATION maintain traceability certification on all parts and raw materials?	X		
K. Are acceptable sampling procedures adequate to ensure quality?	X		
L. Does the vendor have an acceptable system for controlling stamps, for both inspection and production personnel?	X		

6. TECH DATA CONTROL	YES	NO	N/A
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?	X		
B. Are there established approved procedures controlling revisions in manuals deviating from OEM specifications e.g. EO or EA.	X		
C. Does the REPAIR STATION have a system to ensure technical data is current?	X		
D. Does REPAIR STATION have records of manual revisions?	X		
E. Are manual revisions up to date?	X		
F. Are component overhaul manuals properly identified and available to mechanics?	X		
G. Does REPAIR STATION have a system to control working copies of manuals to ensure they are revised with the masters?	X		
H. Is technical data stored in a manner that will protect it from dirt & damage?	X		
I. Are adequate viewing devices in good condition available for viewing the technical data?	X		
J. Is a specific individual, by title, responsible for the Technical Data Program?	X		
K. If the REPAIR STATION has SFAR 36 authority, does he have a system for receiving customer approval prior to use of the data?			X
L. Does the REPAIR STATION have an approved SFAR 36 manual and roster?			X



# Audit Checklist Responses 7 - 9



7. SHELF-LIFE	YES	NO	N/A
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		

9. TRAINING	YES	NO	N/A
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		

8. TOOL & TEST CALIBRATION	YES	NO	N/A
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		

# 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 from 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		

# Audit Checklist Responses 13



13. WORK PROCESSING	YES	NO	N/A
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' workstations?	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		

13. WORK PROCESSING	YES	NO	N/A
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		

# Audit Checklist Responses 14 - 15



<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		

<b>15. SCRAPPED PARTS</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?	X		
B. Does the program identify an individual, by title, responsible for verifying that mutilation is accomplished?	X		
C. Does the REPAIR STATION maintain a record of life-limited parts scrapped for seven years?	X		
D. Does the record contain the P/N and S/N of the part and the date scrapped?	X		



# 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 \_\_\_\_\_

**International Standards Authority, Inc.**

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

# Nadcap Certification - NDT



# Nadcap Certification – Heat Treating



# Nadcap Certification – Nonconventional Machining





# FAA Repair Station Certification



UNITED STATES OF AMERICA  
DEPARTMENT OF TRANSPORTATION  
FEDERAL AVIATION ADMINISTRATION

## Air Agency Certificate

*Number* C7CR238J

*This certificate is issued to*

LEAR ROMEC DIVISION OF HYDRO-AIRE AEROSPACE CORP.

*whose business address is*

241 SOUTH ABBE ROAD, ELYRIA, OHIO 44035

*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 ACCESSORY

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

*Date issued:*

SEPTEMBER 23, 1994  
REISSUED FEBRUARY 1, 2022

*By direction of the Administrator*

LEROY G MOORE  
Digitally signed by LEROY G MOORE  
DN: cn=LEROY G MOORE, o=FAA, ou=FAA, email=leroy.g.moore@faa.gov  
LEROY G. MOORE, Office Manger Cleveland FSDO

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 3360-4 (1-67) SUPPLEMENT 3360-4 (1-67) Electronic Form (PDF)



# CAAC Repair Station Certification

  
中国民用航空局  
CIVIL AVIATION ADMINISTRATION OF CHINA (CAAC)  
**维修许可证**  
**MAINTENANCE ORGANIZATION CERTIFICATE**

---

编号/No. F00100799

单位名称/NAME OF ORGANIZATION:  
Crane Company Lear Romec Division

单位地址/BUSINESS ADDRESS:  
241 South Abbe Road Elyria Ohio 44035 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，在下列期限内将一直有效。  
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  
XUE Shijun   
职务/POSITION: Deputy Director General of FSD

颁发日期/DATE ISSUED:  
2022-01-01  
再次颁发日期/DATE REISSUED:  
2022-01-01



  
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 F00100799 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. F00100799 is/are limited to the following:

LOCATION: Elyria  
Inspection, Repair, Overhaul and Modification of the following Components:  
Engine Oil (ATA-79): Limit to 7931 Engine Oil Pressure.  
Detail as listed in CAAC approved maintenance capability list.  
- ☆ -

局长授权/ FOR THE ADMINISTRATOR OF CAAC  
签字/SIGNATURE: XUE Shijun  
XUE Shijun   
职务/POSITION: Deputy Director General of FSD

颁发日期/DATE ISSUED:  
2022-01-01  
再次颁发日期/DATE REISSUED:  
2022-01-01



# EASA Repair Station Certification



Lorenzo PELLEGRINI  
Maintenance Organisation Oversight Section Manager  
Flight Standards Directorate

2022 /IFPF34729/Flight Standards  
Cologne, 2 March 2022

The Quality Manager  
LEAR ROMEC DIVISION OF HYDRO-AIRE  
AEROSPACE CORP.  
241 SOUTH ABBE ROAD  
44035 ELYRIA OHIO  
UNITED STATES

Subject: Revision 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 hereby accepts the changes to your EASA Part-145 approval:

**EASA.145.4357**

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 2023**

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.00201-006

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

Page 1 of 1



## U.S. APPROVAL CERTIFICATE

**EASA.145.4357**

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:

**LEAR ROMEC DIVISION OF HYDRO-AIRE AEROSPACE CORP.**

FAA Number: C7CR238J

**241 SOUTH ABBE ROAD  
44035 ELYRIA OHIO  
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 2023**

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

Date of issue: **02 March 2022**

Signed:

For the European Union Aviation Safety Agency



EASA Form 3 - IFP - 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



## Operations Specification Table of Contents

U.S. Department  
of Transportation  
Federal Aviation  
Administration

### Operations Specifications

#### Table of Contents

##### Part A

	HQ CONTROL DATE	EFFECTIVE DATE	AMENDMENT NUMBER
001 Issuance and Applicability	02/11/2016	02/01/2022	10
002 Definitions and Abbreviations	12/14/2017	02/01/2022	9
003 Ratings and Limitations	04/03/2017	02/01/2022	8
004 Summary of Special Authorizations and Limitations	09/23/1998	02/01/2022	9
007 Designated Persons	09/08/2021	02/01/2022	16
449 Drug and Alcohol Testing Program	08/30/2021	02/01/2022	8

Lear Romec Division of Hydro-  
Aire Aerospace Corp.

Part A-1  
Print Date: 2/1/2022

Certificate No.: C7CR238J



# Operations Specification A001



U.S. Department  
of Transportation  
Federal Aviation  
Administration

## Operations Specifications

### A001 . Issuance and Applicability

HQ Control: 02/11/2016

HQ Revision: 05c

a. These operations specifications are issued to Lear Romec Division of 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:  
241 S. Abbe Road  
Elyria, Ohio 44035

Mailing Address:  
241 S. Abbe Road  
Elyria, Ohio 44035

b. The holder of these operations specifications is the holder of certificate number C7CR238J 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

## Operations Specification A001-2

U.S. Department  
of Transportation  
Federal Aviation  
Administration

## Operations Specifications

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 David J Osborne, Principal Maintenance Inspector (GL25)  
[1] SUPPORT INFO: Company name change  
[2] EFFECTIVE DATE: 2/1/2022, [3] AMENDMENT #: 10  
DATE: 2022.02.01 13:35:18 -06:00

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

  
John Desmone, Field Support Engineer/Part 145

02/02/2022  
Date



# Operations Specification A002-01



## Operations Specification A002-1

U.S. Department  
of Transportation  
Federal Aviation  
Administration

Operations Specifications

### 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.

Lear Romec Division of Hydro-  
Aire Aerospace Corp.

A002-1  
Amdt. No: 9

Certificate No.: C7CR238J

# Operations Specification A002-02



## 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.

### 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.

# Operations Specification A002-03



## Operations Specification A002-3

U.S. Department  
of Transportation  
Federal Aviation  
Administration

### Operations Specifications

**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

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 David J Osborne, Principal Maintenance Inspector (GL25)

[1] SUPPORT INFO: Company name change

[2] EFFECTIVE DATE: 2/1/2022, [3] AMENDMENT #: 9

DATE: 2022.02.01 13:35:27 -06:00

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

02/02/2022

John Desmone, Field Support Engineer/Part 145

Date

Lear Romec Division of Hydro-  
Aire Aerospace Corp.

A002-3  
Amdt. No: 9

Certificate No.: C7CR238J

# Operations Specification A003-1



## Operations Specification A003-1

U.S. Department  
of Transportation  
Federal Aviation  
Administration

### Operations Specifications

#### 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

<u>Rating</u>	<u>Manufacturer</u>	<u>Make/Model</u>	<u>Limitations</u>
Accessories	From Accepted Capabilities List	From Accepted Capabilities List	Limited to maintenance, repair, overhaul, and testing of accessories manufactured by Lear Romec Division of Hydro-Aire Aerospace Corp. in accordance with current manufactures instructions and technical data, as revised.

#### Limited Ratings - Specialized Services

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

Lear Romec Division of Hydro-Aire Aerospace Corp.

A003-1  
Amdt. No: 8

Certificate No.: C7CR238J

# Operations Specification A003-2



## Operations Specification A003-2

U.S. Department  
of Transportation  
Federal Aviation  
Administration

### Operations Specifications

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 David J Osborne, Principal Maintenance Inspector (GL25)  
[1] SUPPORT INFO: Company name change  
[2] EFFECTIVE DATE: 2/1/2022, [3] AMENDMENT #: 8  
DATE: 2022.02.01 13:35:34 -06:00

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

 02/02/2022

John Desmone, Field Support Engineer/Part 145

Date

Lear Romec Division of Hydro-  
Aire Aerospace Corp.

A003-2  
Amdt. No: 8

Certificate No.: C7CR238J



# Operations Specification A004-1



## Operations Specification A004-1

U.S. Department  
of Transportation  
Federal Aviation  
Administration

### Operations Specifications

#### 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:

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

Reference  
Paragraphs

A449

#### b. The certificate holder is *not authorized* and shall not:

Use Exemptions.

Use an acceptable electronic recordkeeping system, electronic/digital signature, and/or electronic media.

Perform maintenance with ratings for repair stations located outside the United States under a Bilateral Aviation Safety Agreement with Maintenance Provisions.

Perform work, including continuous operations, at additional locations other than at its primary fixed location.

Perform maintenance in accordance with foreign repair station geographic authorizations.

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

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.

Reference  
Paragraphs

A005

A025

A060

A101

B050

D100

D107

# Operations Specification A004-2



## Operations Specification A004-2

U.S. Department  
of Transportation  
Federal Aviation  
Administration

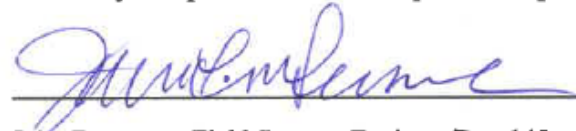
### Operations Specifications

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 David J Osborne, Principal Maintenance Inspector (GL25)  
[1] SUPPORT INFO: Company name change  
[2] EFFECTIVE DATE: 2/1/2022, [3] AMENDMENT #: 9  
DATE: 2022.02.01 13:35:41 -06:00

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

 02/02/2022

John Desmone, Field Support Engineer/Part 145

Date

Lear Romec Division of Hydro-  
Aire Aerospace Corp.

A004-2  
Amdt. No: 9

Certificate No.: C7CR238J

# Operations Specification A007-1



## Operations Specification A007-1

U.S. Department  
of Transportation  
Federal Aviation  
Administration

### 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	Baz, Joe	A	
Field Support Engineer/Part 145	Desmone, John	A	

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
Baz, Joe	joe.baz@craneae.com	440-284-5403	ALL
Desmone, John	john.desmone@craneae.com	440-284-5479	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 David J Osborne, Principal Maintenance Inspector (GL25)  
[1] SUPPORT INFO: Company name change  
[2] EFFECTIVE DATE: 2/1/2022, [3] AMENDMENT #: 16  
DATE: 2022.02.01 13:35:46 -06:00

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

  
\_\_\_\_\_  
John Desmone, Field Support Engineer/Part 145

02/02/2022  
\_\_\_\_\_  
Date

# Operations Specification A449-1



## 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 440-323-3211
Address:	241 South Abbe Road
Address:	
City:	Elyria
State:	OH
Zip code:	44035

### 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

Lear Romec Division of Hydro-  
Aire Aerospace Corp.

A449-1  
Amdt. No: 8

Certificate No.: C7CR238J

# Operations Specification A449-2



## Operations Specification A449-2

U.S. Department  
of Transportation  
Federal Aviation  
Administration

### Operations Specifications

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


c. 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.



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[1] SUPPORT INFO: Company name change  
[2] EFFECTIVE DATE: 2/1/2022, [3] AMENDMENT #: 8  
DATE: 2022.02.01 13:35:54 -06:00

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

 02/02/2022  
John Desmone, Field Support Engineer/Part 145      Date

Lear Romec Division of Hydro-  
Aire Aerospace Corp.

A449-2  
Amdt. No: 8

Certificate No.: C7CR238J