



# **L3Harris Aviation Products, Inc. General Information**

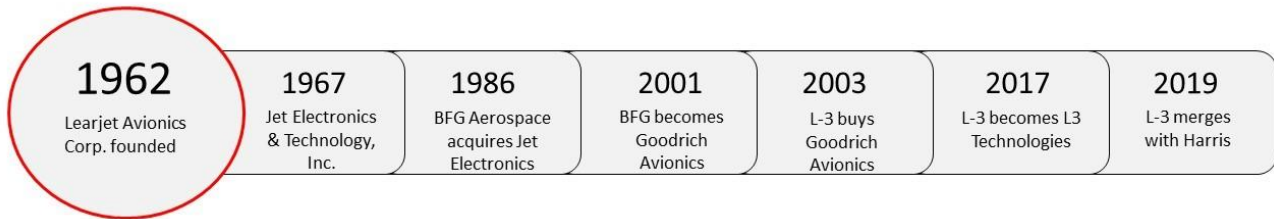
A Subsidiary of L3Harris Technologies, Inc.

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Grand Rapids, MI 49512-9704  
(616) 949-6600 Fax (616) 285-4342

<http://www.L3Harris.com/avionics>



## COMPANY HISTORY



L3Harris Aviation Products, Inc., was started in 1962 as Learjet Avionics and has a rich history developing displays, satellite communications, weather systems – and most notably – voice and flight data recorders. After nearly 60 years of proven quality and leadership in the aerospace industry, L3Harris Aviation Products, Inc. continues to develop and enhance their product lines. Most recently, L3 Technologies was merged with Harris to form L3Harris Technologies in 2019. L3Harris Aviation Products, Inc. is a wholly owned subsidiary of L3 Technologies, which is *now a wholly owned subsidiary of L3Harris Technologies*.

## MANUFACTURER AND REPAIR STATION PRODUCT PORTFOLIO

- Solid State Electronic Standby Instrument Systems
- Multifunction Display Systems
- Touchscreen Display Systems
- TCAS I Traffic Alert & Collision Avoidance Systems
- Vertical Reference Systems (VRS)
- Electro-mechanical Standby Attitude Indicators
- Vertical and Directional Gyros
- Voice and Flight Data Recorders
- Navigation systems



This document consists of basic marketing information that is not defined as technical data under EAR Part 772.

## QUALITY POLICY

**L3Harris is committed to exceeding customer expectations the first time by utilizing the e3 business operating system and living the L3Harris Values.**

**Quality System Standards:**

ISO 9001:2015 and AS9100:2016 – **Certificate No.12679 (Figure 1)**

ISO 9001:2015 and AS9110:2016 – **Certificate No.14032 (Figure 2)**

L3Harris Aviation Products, Inc. Quality Manual

**FAA TSO and PMA Holder**

**PT2024CE & PQ2024CE**

**FAA Certified Repair Station: No. NN2R037L (Figure 3)**

**FAA Approved Operations Specifications for the Repair Station (Figure 4: 18 Sheets)**

**Approved FAA Alcohol/Anti-Drug Plan (our own): Ops Spec. No. A449, Sheet 15**

**Note:** Recognizing the regulatory changes to 14 CFR Part 120, we do require our subcontracted maintenance providers to comply with an Anti-Drug and Alcohol Misuse Prevention Program.

**EASA Part-145 Certified: Certificate No. EASA.145.4260 (Figure 5)**

**CAAC Certificate: Certificate No. F00100864 (Figure 6)**

**EMAR/FR 145 Certificate: EMAR/FR 145-083 (Figure 7)**

**CAA UK Certificate: CAA UK14550083 (Figure 8)**

**TSO/PMA Approvals: We hold numerous FAA TSO/PMA approvals (available for on-site review)**

**L3Harris is a: Large Business**

**Tax ID Number: 38-1865601**

**Dun & Bradstreet: 00-725-0079**

**Remittance Address: 21859 Network Place, Chicago, IL 60673-1223**

**Cage Code: 25583 & 06141**

**NAICS Code: 334511**

**Government Representative: Itinerant DCMA-QAR**

**Represented by Union: No**

**Vacation Shutdown: No**

**Insurance Coverage: Acord Corporation**

**Own Facility: Yes**

**Approximate Total Square Footage: 110,000 of which 72,000 sq. ft is manufacturing**

**Percentage of Capacity Utilized: 95%**

**Clean Room Capabilities: Class 100 and 10,000**

**HazMat Employer: L3Harris Aviation Products, Inc. is a HazMat Employer**

**Hazardous Material Statement:** L3Harris Aviation Products, Inc. strives to continuously reduce the impact our operations and products have on the environment. Specifically excluded from our products are hazardous materials such as:

Asbestos

Uranium

Polybrominated biphenyls (PBB)

Polybrominated diphenyl ether (PBDE)

Long term product reliability is important to us and our customers. In order to ensure that all products comply with customer's expectations for product life, we continue to use lead-based solder for electrical connections and circuit board assemblies.

**Employment:**

**Total Employee: 339**

**Operations Personnel Breakdown:**

**Manufacturing: 118**

**Quality: 26**

**Repair Station: 98**

**FAA Repairmen: 32**

**Key Management:**

**Alan Crawford**

**President, Commercial Aviation**

**Jan Davis**

**General Manager, Avionics**

**James Cinglie**

**Director, Procurement**

**Pina Desai**

**Director, Engineering**

**Wolfgang Niesing**

**Director, Quality**

**Wade Wallace**

**Repair Station Accountable Manager**

REF: ISO 9001:2015 – AS9100D &amp; AS9110C

## QUALITY MANAGEMENT SYSTEM (QMS)

### GENERAL

◆	Do you have a quality management system composed of documented procedures?	Yes
◆	Are outsourced processes controlled by the QMS?	Yes

### QUALITY MANUAL (QM)

◆	Do you have a Quality Manual?	Yes
◆	Does the Quality Manual contain or reference the procedures in the QMS and describe their interaction?	Yes

### CONTROL OF DOCUMENTED INFORMATION

◆	Do you have a document control system?	Yes
◆	Are documents approved for adequacy prior to use and review and updated when necessary?	Yes
◆	Are current revisions of documents available for those who need to use them?	Yes
◆	Are obsolete revisions removed to prevent unintended use?	Yes

### RETENTION OF DOCUMENTED INFORMATION

◆	Do you have a process to control records?	Yes
◆	Have you defined records within your QMS?	Yes
◆	Are records of inspections and tests maintained?	Yes
◆	Are all records used to document the QMS legible, readily identifiable and retrievable?	Yes
◆	Are the defined controls used to identify, store, protect, retrieve, and disposition records adequate?	Yes
◆	Are records retained for a specified period of time?	Yes

### LEADERSHIP

#### LEADERSHIP AND COMMITMENT

◆	Does top management have a process for communicating the importance of meeting customer, statutory, and regulatory requirements to the organization?	Yes
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### POLICY

◆	Do you have a Quality Policy and is it effectively communicated to relevant interested parties?	Yes
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### PLANNING

◆	Do you perform planning including identifying and addressing risks and opportunities?	Yes
◆	Are measurable and relevant quality objectives established, communicated, monitored, and updated?	Yes

### ORGANIZATIONAL ROLES, RESPONSIBILITIES, AND AUTHORITIES

◆	Do individuals responsible for quality have the necessary authority to make decisions that impact the quality of the product?	Yes
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### MANAGEMENT REVIEW

◆	Do you conduct periodic management reviews of the performance of the QMS?	Yes
◆	Does the review include input from internal audits, nonconformities and the status of corrective actions, process performance, and product conformity data? Does the review also include customer satisfaction and feedback from interested parties, status of quality objectives, the performance of external providers, on-time delivery performance, resource needs, the effectiveness of actions to address risks, and opportunities for improvement?	Yes
◆	Does the review (output) result in opportunities for improvement and the need for changes to the QMS including identifying resource needs and risks?	Yes
◆	Do you maintain records of management review activity?	Yes

RESOURCES		
PEOPLE, INFRASTRUCTURE, ENVIRONMENT, AND MONITORING/MEASUREMENT RESOURCES		
◆	Do you have adequate resources to meet and maintain QMS requirements?	Yes
ORGANIZATIONAL KNOWLEDGE, COMPETENCE, AND AWARENESS		
◆	Do you have a documented training program for employees performing work affecting product quality?	Yes
◆	Does this program include determination and definition of the required competencies?	Yes
◆	Do you ensure employees have the education, training, skills or experience necessary to meet these requirements?	Yes
◆	Do you evaluate the effectiveness of this training?	Yes
◆	Do you maintain records of training?	Yes
PRODUCT REALIZATION		
OPERATIONAL PLANNING AND CONTROL		
◆	Do you utilize planning to facilitate the manufacture of product to meet requirements?	Yes
◆	Are inspection and test activities based on product acceptance criteria?	Yes
◆	Do you plan, implement, and control a process for managing operational risks to the achievement of requirements?	Yes
◆	Do you plan, implement, and control processes for the prevention of counterfeit or suspect counterfeit part use and their inclusion in product(s) delivered to the customer?	Yes
◆	Do you plan, implement, and control a process for configuration management that is appropriate to the organization and its products and services?	Yes
◆	Do you plan, implement, and control the processes needed to assure product safety during the entire product life cycle, as appropriate to the organization and the product?	Yes
REQUIREMENTS FOR PRODUCTS AND SERVICES		
◆	When customer requirements change, is there a process that ensures relevant personnel are notified and relevant documents are amended?	Yes
◆	Is there a process for communicating with customer on product information, inquiries, contracts or order handling, including amendments and customer feedback?	Yes
◆	Are product related requirements reviewed prior to commitment to supply product to customer?	Yes
◆	Are records of the review and actions rising from the review documented and maintained?	Yes
DESIGN AND DEVELOPMENT OF PRODUCTS AND SERVICES		
◆	Is your organization responsible for design of product?	Yes
◆	Do you maintain a process for implementation of design changes?	Yes
◆	Are design reviews conducted at planned intervals?	Yes
◆	Are plans prepared for each design and development activity that includes review, verification & validation milestones?	Yes
◆	Are the responsibilities, authorities and organizational interfaces defined for implementation of these plans?	Yes
◆	Do design inputs include product functionality, performance, statutory and regulatory requirements? Do design inputs also consider the potential consequences of obsolescence?	Yes
◆	Is the design output documented and expressed in terms that can be validated against the design input requirements?	Yes
◆	Does the output provide adequate information for purchasing, production & service and include product acceptance criteria?	Yes
◆	Do you maintain records associated with the design process?	Yes
CONTROL OF EXTERNALLY PROVIDED PROCESSES, PRODUCTS, AND SERVICES		

◆	Are procurement sources evaluated and monitored?	Yes
◆	Do you specify applicable quality requirements to the supplier including the need to prevent the use of counterfeit parts?	Yes
◆	Do you maintain a documented system for the verification of purchased product?	Yes
◆	Do you maintain an "Approved Supplier Listing"?	Yes
◆	Is criteria for selection, evaluation & re-evaluation (including requesting corrective action when appropriate) of suppliers established and are evaluations documented?	Yes
◆	Do you maintain records of supplier evaluations?	Yes
<b>PRODUCTION AND SERVICE PROVISION</b>		
◆	Do you perform in-process inspection?	Yes
◆	Are process capabilities established and maintained?	Yes
◆	Are procedures for equipment and facilities maintenance established?	Yes
◆	Are production and/or service carried out under controlled conditions?	Yes
◆	Do conditions include the availability of acceptance criteria, work instructions and monitoring equipment?	Yes
◆	Are records available to substantiate acceptability of product?	Yes
<b>VALIDATION AND CONTROL OF PROCESSES</b>		
◆	Are processes validated where the product cannot be verified by subsequent monitoring and measuring?	Yes
◆	Do validations include defined criteria for review and approval of processes?	Yes
<b>IDENTIFICATION AND TRACEABILITY</b>		
◆	If required, do you have the ability to provide traceability?	Yes
◆	Are incoming products identified and segregated until acceptance?	Yes
◆	Are products in stores identified and controlled?	Yes
◆	Are in-process products identified and controlled?	Yes
◆	Is the status of inspection identified throughout product realization?	Yes
◆	Do you maintain records demonstrating product identification and traceability when required?	Yes
<b>PROPERTY BELONGING TO CUSTOMERS OR EXTERNAL PROVIDERS</b>		
◆	Do you utilize any property belonging to customers or external providers in your processes?	Yes
◆	Is this property identified and stored to prevent loss or damage?	Yes
◆	Do you have a mechanism to alert customers or external providers if their property is damaged or lost?	Yes
◆	Do you maintain records of damage or loss?	Yes
<b>PRESERVATION</b>		
◆	Do procedures or processes exist for the storage, protection, handling, and preservation of product?	Yes
◆	Does the facility have a FOD (Foreign Object Detection/Damage/Debris) prevention program?	Yes
◆	Is the conformity of the product preserved internally and during delivery to the intended destination?	Yes
◆	Do you have a process to manage shelf life or age control products?	Yes
<b>CONTROL OF MONITORING AND MEASURING RESOURCES</b>		
◆	Do you utilize any inspection, measuring or test equipment in your processes for the acceptance of product or services supplied?	Yes
◆	Are measuring and test equipment uniquely identified?	Yes
◆	Is the calibration status of measuring and test readily identifiable?	Yes
◆	Is measuring and test equipment used for acceptance calibrated against nationally accepted standards?	Yes

◆	Does the program provide for containment and disposition of any product previously accepted, when equipment is found out of calibration or out of tolerance?	Yes
◆	Do you maintain records of calibrations?	Yes
<b>MONITORING, MEASUREMENT, ANALYSIS, AND EVALUATION</b>		
<b>CUSTOMER SATISFACTION</b>		
◆	Do you have a method to measure customer satisfaction?	Yes
<b>INTERNAL AUDIT</b>		
◆	Do you maintain an internal audit program?	Yes
◆	Are audits performed in accordance with an established schedule?	Yes
◆	Are audits performed objectively and impartially with auditors not auditing their own work?	Yes
◆	Is action taken to eliminate the causes of nonconformance's discovered by the audits?	Yes
◆	Do you maintain records of internal audits?	Yes
<b>MONITORING &amp; MEASUREMENT OF PROCESSES</b>		
◆	Are processes monitored and measured to demonstrate achievement of planned results?	Yes
◆	Is action taken if processes are not producing planned results?	Yes
<b>MONITORING &amp; MEASUREMENT OF PRODUCT</b>		
◆	Do you monitor or measure the characteristics of your products?	Yes
◆	Do you have documented procedures that contain acceptance criteria?	Yes
◆	Is the final release of product approved by a relevant authority?	Yes
◆	Do you maintain records of the acceptability of products?	Yes
<b>CONTROL OF NONCONFORMING OUTPUTS</b>		
◆	Do you control nonconforming product to prevent its unintended use or delivery?	Yes
◆	Do you have a documented procedure for the control of nonconforming product?	Yes
◆	Are nonconforming items identified, segregated and controlled?	Yes
◆	When nonconforming product is corrected, is it subject to re-verification to demonstrate conformance to requirements?	Yes
◆	Do you seek customer approval when necessary regarding the disposition of nonconforming product?	Yes
◆	Do you maintain records of nonconforming product including its disposition?	Yes
<b>ANALYSIS AND EVALUATION</b>		
◆	Do you analyze data to facilitate necessary actions and provide for continual improvement of the QMS?	Yes
<b>CONTINUAL IMPROVEMENT</b>		
◆	Do you have a formal process for continual improvement of the QMS?	Yes
<b>NONCONFORMITY AND CORRECTIVE ACTION</b>		
◆	Do you have a documented procedure for corrective action?	Yes
◆	Are nonconformance's evaluated to determine the root cause?	Yes
◆	Are corrective actions sufficient not only to correct the problem but also to prevent recurrence?	Yes
◆	Are corrective actions reviewed to assess effectiveness?	Yes
◆	Do you maintain records of corrective actions?	Yes



**REF: CASE CHECKLIST**

<b>1 GENERAL INFORMATION</b>		
Please see the first two pages of this document for history and current information on our company.		
<b>2 CERTIFICATIONS</b>		
<b>A.</b>	Does Repair/Overhaul Vendor (ROV) hold a FAA Air Agency, or Transport Canada AMO certificate?	<b>Yes</b>
<b>B.</b>	Are all required certificates, operations specifications, licenses, repairman certificates and registrations available for review?	<b>Yes</b>
<b>C.</b>	Copy of certificate, operations specifications, and where applicable, the vendor's capabilities listing? <b>Air Agency Cert. No. NN2R037L &amp; Ops Specs (Copies Attached)</b>	<b>Yes</b>
<b>D.</b>	Does the repair station have "Limited Ratings," and is there a capabilities listing?	<b>Yes</b>
<b>E.</b>	Does the Repair/Overhaul Vendor have a FAA approved and active Anti-Drug & Alcohol Misuse Testing Plan? <b>D-GL-00131-S (Copy Attached)</b>	<b>Yes</b>
<b>F.</b>	Does the Repair/Overhaul Vendor have a procedure to ensure that U.S. based subcontracted maintenance/preventative maintenance providers (certificated & non-certificated) are actively participating in a U.S. DOT anti-drug and alcohol misuse prevention program?	<b>Yes</b>
<b>G.</b>	Does the Repair/Overhaul Vendor obtain and retain for a minimum of 3 yrs. from date of work, proof of anti-drug and alcohol misuse prevention program compliance for each subcontract maintenance provider at all tiers at which work is performed?	<b>Yes</b>
<b>QUALITY CONTROL PROGRAMS</b>		
<b>A.</b>	Does vendor have an up-to-date Quality Manual that covers all the manual requirements of the 1-A Standard?	
1)	Inspecting incoming raw product to ensure acceptable quality?	<b>Yes</b>
2)	Performing preliminary inspections of all articles that are maintained?	<b>Yes</b>
3)	Inspection of all articles that have been involved in an accident for hidden damage before maintenance, preventive maintenance, or alteration is performed?	<b>Yes</b>
4)	Establishing and maintaining proficiency of inspection personnel?	<b>Yes</b>
5)	Establishing and maintaining current technical data for maintaining articles?	<b>Yes</b>
6)	Qualifying and surveying non-certificated persons who perform maintenance, preventive maintenance, or alterations for the repair station?	N/A
7)	Performing final inspection and return-to-service of maintained articles?	<b>Yes</b>
8)	Calibrating measuring and test equipment used to maintain articles, including the intervals at which the equipment will be calibrated?	<b>Yes</b>
9)	Taking corrective action on discrepancies?	<b>Yes</b>
10)	Procedures for revising the Quality Control Manual?	<b>Yes</b>
11)	References, where applicable, to manufacturer's inspection standards?	<b>Yes</b>
12)	Samples of and instructions for completing maintenance and inspection forms, or reference to a separate forms manual?	<b>Yes</b>
<b>B.</b>	Does the vendor's program include procedures for controlling shelf life and scrapped parts?	<b>Yes</b>
<b>C.</b>	Does the vendor have a current Repair Station Manual that contains the following:	
<b>An organizational chart identifying :</b>		
	a) Each management position with authority to act on behalf of the repair station?	<b>Yes</b>
	b) The area of responsibility assigned to each management position?	<b>Yes</b>
	c) Duties, responsibilities, and authority of each management position?	<b>Yes</b>
<b>Procedures for maintaining the roster?</b>		<b>Yes</b>
<b>A description of the vendor's operations, equipment, and facility, including procedures for:</b>		<b>Yes</b>
	a) Revising the capabilities list and notifying the applicable airworthiness authority?	<b>Yes</b>



	b) Self-evaluation for revising the capabilities list?	Yes
	<b>Procedures for revising the training program?</b>	Yes
	<b>Procedures to govern work performed at another location?</b>	Yes
	<b>Procedures for maintenance, preventive maintenance, alterations or inspections performed?</b>	Yes
	<b>Procedures for maintaining and revising contract maintenance information, and notifying the FAA?</b>	Yes
	<b>A description of the record-keeping system?</b>	Yes
	<b>Procedures for revising the repair station manual and notifying the FAA?</b>	Yes
	<b>A description of the system used to identify and control sections of the Repair Station Manual?</b>	Yes
D.	Is the Repair Station Manual current and available to employees?	Yes
E.	Does the Repair/Overhaul Vendor have an internal audit and surveillance function?	Yes
F.	Does the internal audit function ensure compliance with customer specifications?	Yes
G.	Does the internal audit program assure appropriate corrective action?	Yes
H.	Does the vendor maintain a file of audit findings performed to the CASE standard and corrective action for three years? Is it accessible for auditors?	Yes
I.	Does the vendor maintain a list of sub-contracted maintenance functions and agencies including the certificate and rating, if any, held by each facility?	Yes
J.	Does the vendor ensure that sub-contractor quality meets customer specifications and legal requirements?	Yes
K.	Does the vendor maintain certification on sub-contractor work?	Yes
L.	Does the vendor have a contract allowing FAA to inspect non-certificated subcontractors?	N/A
M.	Does the vendor have a procedure for reporting defects or unairworthy conditions to the customer and the FAA?	Yes
<b>INSPECTION PROGRAMS</b>		
A.	Does the vendor perform any required inspections (R11) for any customer?	N/A
B.	Are RII inspectors properly trained & certified?	N/A
C.	Is there proper separation of maintenance and inspection responsibilities for vendors that perform required inspections?	N/A
D.	Does the vendor have an acceptable receiving inspection system?	Yes
E.	Does the vendor have an acceptable system for controlling stamps, for both inspection and production personnel?	Yes
F.	Are acceptable sampling procedures adequate to ensure quality?	Yes
<b>PERSONNEL</b>		
A.	Has the vendor designated an employee as the "Accountable Manager?"	Yes
B.	Does the repair station roster identify all management, supervisory and inspection personnel?	Yes
C.	Does the roster identify all personnel authorized for return-to-service?	Yes
D.	Does the repair station have an employment summary for all personnel listed on the repair station roster?	Yes
E.	Does the vendor's supervisory personnel satisfy the requirements of the standard?	Yes
F.	Does the vendor's inspection personnel satisfy the requirements of the standard?	Yes
G.	Does the vendor's return-to-service personnel satisfy the requirements of the standard?	Yes
H.	Are specific individuals, by title, responsible for the following programs?	
1)	Technical Data	Yes
2)	Shelf life?	Yes
3)	Calibrated tooling?	Yes
4)	Scrap parts?	Yes
I.	Is a back-up person identified by title for all programs requiring one?	Yes

#### TECHNICAL DATA PROGRAM

**Manuals in this context include any technical data, (drawings, wiring diagrams, test specs, necessary to perform the required service).**

<b>A.</b>	Does the vendor have the required shop manuals and specifications to perform the repair/overhaul in accordance with customer specifications?	<b>Yes</b>
<b>B.</b>	Are there established approved procedures controlling revisions in manuals deviating from OEM specifications? (e.g. EO or EA)	<b>Yes</b>
<b>C.</b>	Does the vendor have a documented system to ensure technical data is current?	<b>Yes</b>
<b>D.</b>	Does the vendor have records of manual revisions?	<b>Yes</b>
<b>E.</b>	Are manual revisions up-to-date?	<b>Yes</b>
<b>F.</b>	Is the technical data properly identified and available to mechanics?	<b>Yes</b>
<b>G.</b>	Does the vendor have a system to control working copies of manuals to ensure they are revised with the masters?	<b>Yes</b>
<b>H.</b>	Is technical data stored in a manner that will protect it from dirt and damage?	<b>Yes</b>
<b>I.</b>	Are adequate viewing devices in good condition and available for viewing the technical data?	<b>Yes</b>
<b>J.</b>	If the vendor has SFAR 36 authority, does it have a system for receiving customer approval prior to use of the data?	<b>N/A</b>
<b>K.</b>	Does the vendor have an approved SFAR-36 manual and roster?	<b>N/A</b>

#### SHELF-LIFE PROGRAM

<b>A.</b>	Does the vendor have a documented shelf life program?	<b>Yes</b>
<b>B.</b>	Does the program list parts, materials that have shelf life limits?	<b>Yes</b>
<b>C.</b>	Does each shelf life item have the shelf life expiration limit displayed?	<b>Yes</b>
<b>D.</b>	Is there an adequate system to assure that no item will be issued or used past its expiration date?	<b>Yes</b>
<b>E.</b>	Were items sampled for shelf life within limits?	<b>Yes</b>

#### CALIBRATION PROGRAM

<b>A.</b>	Does the vendor have a documented tool calibration program? IAW ISO 10012	<b>Yes</b>
<b>B.</b>	Are all tools requiring calibration identified and on the tool calibration list?	<b>Yes</b>
<b>C.</b>	Are standards used to calibrate tools acceptable to the FAA? e.g., The National Institute of Standards and Technology (NIST)?	<b>Yes</b>
<b>D.</b>	Is there a system to identify each tool in the program, its calibration frequency and its calibration due date?	<b>Yes</b>
<b>E.</b>	Does the vendor have a procedure for identifying, controlling and/or preventing out-of-service and due-for-calibration tools & equipment from being used?	<b>Yes</b>
<b>F.</b>	Does the vendor have a procedure to control the calibration of personal tools?	<b>Yes</b>
<b>G.</b>	Did a sample check of the calibrated tooling indicate that the tooling is within calibration?	<b>Yes</b>
<b>H.</b>	<b>Are the tools and test equipment in a serviceable condition?</b>	<b>Yes</b>

<b>I.</b>	<b>Do records:</b>	
1)	Show date calibrated?	<b>Yes</b>
2)	Show calibration due date?	<b>Yes</b>
3)	Identify individual or vendor that performed calibration or check?	<b>Yes</b>
4)	Contain a calibration certificate for each item calibrated by an outside agency?	<b>Yes</b>
5)	Record details of adjustments and repairs?	<b>Yes</b>
6)	Show the part number and serial number of the standard used to perform the calibration?	<b>Yes</b>
<b>TRAINING</b>		
<b>A.</b>	Does the vendor have a documented training program?	<b>Yes</b>
<b>B.</b>	Does it include all mechanics, inspectors, and technical supervisors?	<b>Yes</b>
<b>C.</b>	Are mechanics, inspectors and supervisors properly trained, authorized and certificated, if required, for the work they perform?	<b>Yes</b>
<b>D.</b>	Is formal and on-the-job training (OJT) documented?	<b>Yes</b>
<b>E.</b>	Are training records for mechanics, inspectors and supervisors retained for two years after the person leaves the company?	<b>Yes</b>
<b>HOUSING AND FACILITIES</b>		
<b>A.</b>	If the vendor deals in non-aircraft parts, materials and/or maintenance activities, are they adequately segregated from the aircraft functions?	<b>N/A</b>
<b>B.</b>	Does the vendor have:	
7)	Sufficient workspace and areas for the proper segregation and protection of articles?	<b>Yes</b>
8)	Segregated work areas enabling environmentally hazardous or sensitive operations such as painting, cleaning, welding, avionics work, and machining to be done properly and in a manner that does not adversely affect other maintenance?	<b>Yes</b>
9)	Suitable racks, hoists, trays, stands, and other segregation means for the storage and protection of all articles?	<b>Yes</b>
10)	Space sufficient to segregate articles and materials stocked for installation from those undergoing maintenance, preventive maintenance or alterations?	<b>Yes</b>
11)	Ventilation, lighting, and control of temperature, humidity, and other climatic conditions sufficient to ensure personnel perform maintenance, preventive maintenance, or alterations to the standards required by the part?	<b>Yes</b>
12)	Areas for receiving and for shipping customers units with adequate space, lighting, shelving, security, and fire protection to accommodate customer's units in a manner that will preclude damage, loss, and theft?	<b>Yes</b>
13)	Adequate and appropriate storage area to safely store customer's reusable shipping containers and to protect them from environmental damage?	<b>Yes</b>
<b>C.</b>	If the vendor has an airframe rating, is suitable permanent housing provided to enclose the largest type and model of aircraft used on its Operations Specifications?	<b>N/A</b>
<b>D.</b>	If the vendor performs maintenance, preventive maintenance, or alterations on articles outside of its housing, does it provide suitable facilities that are acceptable to the FAA and its customers?	<b>Yes</b>
<b>E.</b>	<b>Do facilities outside of the vendor's housing meet the requirements of this standard so that the work can be done IAW the requirements of 14 CFR 43?</b>	<b>Yes</b>

<b>SAFETY/SECURITY/FIRE PROTECTION</b>		
<b>A.</b>	Does the vendor provide adequate security for customer parts in his possession?	<b>Yes</b>
<b>B.</b>	Is the security system reviewed periodically by management or an outside vendor?	<b>Yes</b>
<b>C.</b>	Are fire protection devices inspected periodically?	<b>Yes</b>
<b>D.</b>	Are fire stations identified and extinguishers in serviceable condition?	<b>Yes</b>
<b>E.</b>	Are fire lanes, doors and fire extinguishers clear of obstruction?	<b>Yes</b>
<b>F.</b>	Are safety guards in place on power equipment?	<b>Yes</b>
<b>G.</b>	Are the vendor's shop operations conducted in a safe manner and environment?	<b>Yes</b>
<b>STORAGE</b>		
<b>A.</b>	Are parts and material properly identified and properly stored?	<b>Yes</b>
<b>B.</b>	Do parts in bin match part number on bins?	<b>Yes</b>
<b>C.</b>	Does the vendor have a quarantine area for rejected parts and materials awaiting disposition?	<b>Yes</b>
<b>D.</b>	Are parts and material properly protected from damage and deterioration?	<b>Yes</b>
<b>E.</b>	Are flammable, toxic, or volatile materials properly identified and stored?	<b>Yes</b>
<b>F.</b>	Are sensitive parts and equipment, (i.e., oxygen parts, o-rings, ESD's, etc.) properly packaged, identified, and stored to protect from damage and contamination?	<b>Yes</b>
<b>G.</b>	Are high-pressure bottles correctly labeled, properly stored and secured?	<b>Yes</b>
<b>H.</b>	Does the vendor maintain traceability certification on all parts and raw materials?	<b>Yes</b>
<b>REF: ISO 9001:2015 – AS9100D &amp; AS9110C Elements and in accordance with the requirements of AS9104A</b>		
<b>WORK PROCESSING</b>		
<b>A.</b>	Does the vendor observe duty time limitations?	<b>Yes</b>
<b>B.</b>	Does the vendor only perform work for which it is authorized on its Operations Specifications?	<b>Yes</b>
<b>C.</b>	Does the vendor have adequate tooling and test equipment to perform the work?	<b>Yes</b>
<b>D.</b>	Where a vendor uses specified OEM test equipment and/or test equipment other than specified by the OEM, does that vendor: 1) Have an operating and maintenance manual for the equipment? 2) Perform maintenance and servicing per the manual? 3) Maintain maintenance and servicing records for two years? 4) Where applicable, list the equipment in their calibration program?	<b>N/A</b>
<b>E.</b>	Where a vendor uses non-OEM specified equipment, is the equipment properly certified?	<b>N/A</b>
<b>F.</b>	Are adequate tools and current manuals available or at the mechanic's workstations?	<b>Yes</b>
<b>G.</b>	Are customers' parts properly identified throughout the maintenance actions and in storage?	<b>Yes</b>
<b>H.</b>	Is there a work turnover procedure used?	<b>Yes</b>
<b>I.</b>	Does the shop segregate serviceable from unserviceable components?	<b>Yes</b>
<b>J.</b>	Does the facility provide adequate protection of parts in work? e.g. filtered air or cleanroom depending on type of part?	<b>Yes</b>
<b>K.</b>	Are smoking, eating, and drinking forbidden in the work area or does the vendor have a written program to ensure units are protected from contamination?	<b>Yes</b>
<b>L.</b>	Are fluid dispensing cans and servicing units properly identified?	<b>Yes</b>
<b>M.</b>	Are the vendor's work records complete, in order, and legible?	<b>Yes</b>
<b>N.</b>	Do the records contain:	
	1) The description of the work performed or reference to data acceptable to the administrator?	<b>Yes</b>
	2) The date of completion of the work performed?	<b>Yes</b>
	3) The name of the person performing the work?	<b>Yes</b>

	4) The name of the person inspecting the work?	<b>Yes</b>
	5) The signature, certificate number of the person returning the article to service?	<b>Yes</b>
<b>O.</b>	Are all test and inspection records in work package?	<b>Yes</b>
<b>P.</b>	Does the vendor's return-to-service document meet customer and FAA requirements?	<b>Yes</b>
<b>Q.</b>	Does the vendor's record keeping system and retention time meet 14 CFR requirements?	<b>Yes</b>
<b>SHIPPING</b>		
<b>A.</b>	Are components returned in an appropriate shipping container or as specified by the customer?	<b>Yes</b>
<b>B.</b>	Does the vendor verify that identifying data (part number, serial number, nomenclature, mod. number) on the documentation and the data plate match?	<b>Yes</b>
<b>SCRAPPED PARTS</b>		
<b>A.</b>	Does the vendor have a documented procedure to assure that scrapped parts are either returned to the customer or mutilated beyond repair?	<b>Yes</b>
<b>B.</b>	Does the vendor maintain a record of scrapped life limited parts scrapped for at least two years?	<b>Yes</b>
<b>C.</b>	<b>Does the record include the part number, serial number, and date of the scrapped parts?</b>	<b>Yes</b>

## CERTIFICATIONS



**Figure 1: AS9100D Certificate of Registration (Page 1 of 2)**





**Figure 1: AS9100D Certificate of Registration (Page 2 of 2)**





**Figure 2: AS 9110C Certificate of Registration**

UNITED STATES OF AMERICA  
DEPARTMENT OF TRANSPORTATION  
FEDERAL AVIATION ADMINISTRATION

# Air Agency Certificate

*Number* NN2R037L

*This certificate is issued to*

**L3HARRIS AVIATION PRODUCTS, INC.**

*whose business address is*

**5353 52<sup>ND</sup> STREET SE**

**GRAND RAPIDS, MICHIGAN 49512-9704**

*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:*

**RADIO (01-04-2008)**

**LIMITED INSTRUMENT (07-19-2006)**

**LIMITED ACCESSORIES (07-19-2006)**

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

*Date issued:*

**FEBRUARY 18, 1966**

*By direction of the Administrator*



**Manager, Grand Rapids Michigan 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 8000-4 (1-67)

SUPERSEDES FAA FORM 335.

Electronic Forms (PDF)

**Figure 3: FAA Certified Repair Station Air Agency Certificate**

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	05/06/2022	05/20/2022	10
002 Definitions and Abbreviations	12/14/2017	05/20/2022	13
003 Ratings and Limitations	04/03/2017	05/20/2022	12
004 Summary of Special Authorizations and Limitations	09/23/1998	05/20/2022	12
007 Designated Persons	09/08/2021	11/23/2022	21
025 Electronic/Digital Recordkeeping System, Electronic/Digital Signature, and Electronic Media	04/03/2017	05/20/2022	6
449 Drug and Alcohol Testing Program	08/30/2021	05/20/2022	10

L3Harris Aviation Products, Inc.

Part A-1  
Print Date: 11/30/2022

Certificate No.: NN2R037L

**Figure 4: Operations Specifications (Sheet 1 of 17)**

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U.S. Department  
of Transportation  
Federal Aviation  
Administration

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Operations Specifications

Table of Contents

Part D

	HQ CONTROL DATE	EFFECTIVE DATE	AMENDMENT NUMBER
100 Work to be Performed at a Place Other Than the Repair Station Fixed Location(s)	11/16/2004	05/20/2022	18

---

L3Harris Aviation Products, Inc.

Part D-1  
Print Date: 5/19/2022

Certificate No.: NN2R037L

**Figure 4: Operations Specifications (Sheet 2 of 17)**

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U.S. Department  
of Transportation  
Federal Aviation  
Administration

---

Operations Specifications

**A001 - Issuance and Applicability**

**HQ Control: 05/06/2022**

**HQ Revision: 05f**

a. These operations specifications are issued to L3Harris Aviation Products, Inc., a Repair Station located in the United States, pursuant to 14 CFR Part 145, § 145.53(a). 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:  
5353 52nd Street, SE  
Grand Rapids, Michigan 49512-9704

b. The holder of these operations specifications is the holder of certificate number NN2R037L 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 performs maintenance and/or an alteration of aircraft and/or aeronautical products under a safety agreement.

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.

---

L3Harris Aviation Products, Inc.

A001-I  
Amdt. No: 10

Certificate No.: NN2R037L

**Figure 4: Operations Specifications (Sheet 3 of 17)**

U.S. Department  
of Transportation  
Federal Aviation  
Administration

Operations Specifications

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



Digitally signed by Steven D Betzer, Principal Avionics Inspector (GL09)  
[1] EFFECTIVE DATE: 5/20/2022, [2] AMENDMENT #: 10  
DATE: 2022.05.19 11:55:36 -05:00

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



Seth Schaefer, Chief Inspector

5-20-2022

Date

L3Harris Aviation Products, Inc.

A001-2  
Amdt. No: 10

Certificate No.: NN2R037L

Figure 4: Operations Specifications (Sheet 4 of 17)



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.

L3Harris Aviation Products, Inc.

A002-1  
Amdt. No: 13

Certificate No.: NN2R037L

**Figure 4: Operations Specifications (Sheet 5 of 17)**



U.S. Department  
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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.

L3Harris Aviation Products, Inc.

A002-2  
Amdt. No: 13

Certificate No.: NN2R037L

**Figure 4: Operations Specifications (Sheet 6 of 17)**

U.S. Department  
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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 Steven D Betzer, Principal Avionics Inspector (GL09)  
[1] EFFECTIVE DATE: 5/20/2022, [2] AMENDMENT #: 13  
DATE: 2022.05.19 10:22:17 -05:00

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



5-20-2022

Seth Schaefer, Chief Inspector

Date

L3Harris Aviation Products, Inc.

A002-3  
Amdt. No: 13

Certificate No.: NN2R037L

**Figure 4: Operations Specifications (Sheet 7 of 17)**

U.S. Department  
of Transportation  
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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**

Radio Class 1: Communications Equipment

Radio Class 2: Navigational Equipment

Radio Class 3: Radar Equipment

**Limited Ratings**

<b><u>Rating</u></b>	<b><u>Manufacturer</u></b>	<b><u>Make/Model</u></b>	<b><u>Limitations</u></b>
Instruments	From the accepted Capability List, as amended.	From the accepted Capability List, as amended.	All instruments identified in L3Harris Aviation Products, Inc. FAA Repair Station CTL/DOC/NN2R037L Product Applicability List in accordance with the most current revision of SOP 1925C, paragraph 5.5
Accessories	From the accepted Capability List, as amended.	From the accepted Capability List, as amended.	All accessories identified in L3Harris Aviation Products, Inc. FAA Repair Station CTL/DOC-NN2R037L Product Applicability List in accordance with the most current revision of SOP 1925C, paragraph 5.6

**Limited Ratings - Specialized Services**

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

L3Harris Aviation Products, Inc.

A003-1  
Amdt. No: 12

Certificate No.: NN2R037L

**Figure 4: Operations Specifications (Sheet 8 of 17)**

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U.S. Department  
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Federal Aviation  
Administration

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Operations Specifications

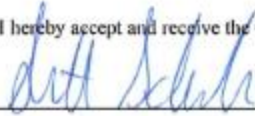
---

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



Digitally signed by Steven D Betzer, Principal Avionics Inspector (GL09)  
[1] EFFECTIVE DATE: 5/20/2022, [2] AMENDMENT #: 12  
DATE: 2022.05.19 12:00:51 -05:00

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



Seth Schaefer, Chief Inspector

5-20-2022

Date

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L3Harris Aviation Products, Inc.

A003-2  
Amdt. No: 12

Certificate No.: NN2R037L

**Figure 4: Operations Specifications (Sheet 9 of 17)**

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:**

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

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

	Reference Paragraphs
Use Exemptions.	A005
Perform maintenance with ratings for repair stations located outside the United States under a Bilateral Aviation Safety Agreement with Maintenance Provisions.	A060
Perform 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 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

L3Harris Aviation Products, Inc.

A004-1  
Amdt. No: 12

Certificate No.: NN2R037L

**Figure 4: Operations Specifications (Sheet 10 of 17)**

U.S. Department  
of Transportation  
Federal Aviation  
Administration

Operations Specifications

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



Digitally signed by Steven D Betzer, Principal Avionics Inspector (GL09)  
[1] EFFECTIVE DATE: 5/20/2022, [2] AMENDMENT #: 12  
DATE: 2022.05.19 10:19:51 -05:00

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



Seth Schaefer, Chief Inspector

5-20-2022

Date

L3Harris Aviation Products, Inc.

A004-2  
Amdt. No: 12

Certificate No.: NN2R037L

**Figure 4: Operations Specifications (Sheet 11 of 17)**

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
Director of Quality Assurance	Niesing, Wolfgang	A,D	wolfgang.niesing@l3harris.com
EASA Accountable Manager, 145 / Director of Operations Management	Brindlinger, Tod	A,D	tod.brindlinger@l3harris.com
FAA Accountable Manager, 145 / Operations Supervisor	Wallace, Wade	A,D	wade.wallace@l3harris.com
Chief Inspector	Schaefer, Seth	A,D	seth.schaefer@l3harris.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
Wallace, Wade	wade.wallace@l3harris.com	616.238.8664	ALL
Schaefer, Seth	seth.schaefer@l3harris.com	616.498.0203	ALL

L3Harris Aviation Products, Inc.

A007-1  
Amdt. No: 21

Certificate No.: NN2R037L

**Figure 4: Operations Specifications (Sheet 12 of 17)**



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U.S. Department  
of Transportation  
Federal Aviation  
Administration

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Operations Specifications

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



Digitally signed by Steven D Betzer, Principal Avionics Inspector (GL09)  
[1] EFFECTIVE DATE: 10/4/2022, [2] AMENDMENT #: 20  
DATE: 2022.10.04 09:00:48 -05:00

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

Digitally signed by SETH T SCHAEFER, Chief Inspector  
DATE: 2022.10.04 05:56:37 -05:00

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L3Harris Aviation Products, Inc.

A007-2  
Amdt. No: 20

Certificate No.: NN2R037L

**Figure 4: Operations Specifications (Sheet 13 of 17)**

U.S. Department  
of Transportation  
Federal Aviation  
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Operations Specifications

**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.)

Electronic Recordkeeping in accordance with L3Harris Aviation Products, Inc. SOP 1921C Section 5.12. Software "Impresa" and "eShop" are both used for the recordkeeping system.

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

Electronic Signatures within "eShop" as described in the Repair Station Manual SOP 1921C Section 5.12

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").

Electronic Media for L3Harris Aviation Products, Inc. Repair Station / Quality Manual as referenced in the Repair Station Manual SOP 1921C Section 5.12.

1. Issued by the Federal Aviation Administration.

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



Digitally signed by Steven D Betzer, Principal Avionics Inspector (GL09)

[1] EFFECTIVE DATE: 5/20/2022, [2] AMENDMENT #: 6

DATE: 2022.05.19 12:06:27 -05:00

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



Seth Schaefer, Chief Inspector

5-20-2022

Date

L3Harris Aviation Products, Inc.

A025-1  
Amdt. No: 6

Certificate No.: NN2R037L

**Figure 4: Operations Specifications (Sheet 14 of 17)**

U.S. Department  
of Transportation  
Federal Aviation  
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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:	A2 (CONN204E)
Address:	
Address:	
City:	
State:	
Zip code:	

**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](mailto: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

L3Harris Aviation Products, Inc.

A449-1  
Amdt. No: 10

Certificate No.: NN2R037L

**Figure 4: Operations Specifications (Sheet 15 of 17)**

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U.S. Department  
of Transportation  
Federal Aviation  
Administration

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.

- 
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 Steven D Betzer, Principal Avionics Inspector (GL09)  
[1] EFFECTIVE DATE: 5/20/2022, [2] AMENDMENT #: 10  
DATE: 2022.05.19 10:22:41 -05:00

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



Seth Schaefer, Chief Inspector

5-20-2022

Date

---

L3Harris Aviation Products, Inc.

A449-2  
Amdt. No: 10

Certificate No.: NN2R037L

**Figure 4: Operations Specifications (Sheet 16 of 17)**

U.S. Department  
of Transportation  
Federal Aviation  
Administration

Operations Specifications

**D100 . Work to be Performed at a Place Other Than the Repair Station Fixed Location(s)** HQ Control: 11/16/2004  
HQ Revision: 050

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

Table 1

Work Authorized	Repair Stations Manual References	Quality Control Manual References
All functions authorized in paragraph A003	L3 Aviation Products, Inc. Repair Station Manual SOP1921C, Para 5.9.	N/A

- b. The certificate holder may not perform continuous operation at a facility other than the station's Fixed Location listed in paragraph A001, and paragraph A101 if issued.
- c. Line Stations . Privileges of a line station, as set forth by the EASA certificate and scope of work and located within the country where the main facility is domiciled are listed in Table 1 are authorized.
- d. Work may be due to a special circumstance or on a recurring basis. If on a recurring basis, the repair station must have procedures in its manual.

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



Digitally signed by Steven D Betzer, Principal Avionics Inspector (GL09)  
[1] EFFECTIVE DATE: 5/20/2022, [2] AMENDMENT #: 18  
DATE: 2022.05.19 10:22:45 -05:00

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



Seth Schaefer, Chief Inspector

5-20-2022

Date

L3Harris Aviation Products, Inc.

D100-1  
Amdt. No: 18

Certificate No.: NN2R037L

Figure 4: Operations Specifications (Sheet 17 of 17)



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

2024 /IFPF310532/Flight Standards  
Cologne, 5 February 2024

The Quality Manager  
L3HARRIS AVIATION PRODUCTS, INC  
5353 52ND STREET SOUTHEAST  
49512-9704 GRAND RAPIDS MICHIGAN  
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.145.4260**

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 2026**

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**



An Agency of the European Union

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

Page 1 of 1

**Figure 5: EASA Part-145 Certificate (Page 1 of 2)**





## U.S. APPROVAL CERTIFICATE

**EASA.145.4260**

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:

**L3HARRIS AVIATION PRODUCTS, Inc.**

FAA Number: NN2R037L

**5353 52ND STREET SE  
49512-9704 GRAND RAPIDS MICHIGAN  
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 2026**

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

Date of issue: **05 February 2024**

Signed:



**For the European Union Aviation Safety Agency**



An Agency of the European Union

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



Page 1 of 1

**Figure 5: EASA Part-145 Certificate (Page 2 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. F00100864

单位名称/NAME OF ORGANIZATION:  
L3Harris Aviation Products, Inc.

单位地址/BUSINESS ADDRESS:  
5353 52nd St. SE Grand Rapids Michigan 49512 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:

2027-06-30

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:  
2022-01-25

再次颁发日期/DATE REISSUED:  
2024-05-18



Figure 6: CAAC Certificate (Page 1 of 2)



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 F00100864 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. F00100864  
is/are limited to the following:

**LOCATION: Grand Rapids**

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

ATA	SUB ATA	Limitation
ATA-23 Communications	2320 Data Transmission Auto Call	No Limitation
	2370 Audio/Video Monitoring	No Limitation
ATA-31 Instruments	3120 Independent Instruments	No Limitation
	3130 Data Recorders (Flight/Maintenance)	No Limitation
ATA-34 Navigation	3420 Attitude and Direction Data System	No Limitation

Detail as listed in CAAC component 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:

2022-01-25

再次颁发日期/DATE REISSUED:

2024-05-18



**Figure 6: CAAC Certificate (Page 2 of 2)**

 Liberté • Égalité • Fraternité <b>RÉPUBLIQUE FRANÇAISE</b> <b>MINISTÈRE DES ARMÉES</b>  <b>AUTORITÉ DE SÉCURITÉ AÉRONAUTIQUE D'ÉTAT</b> <b>CERTIFICAT D'AGRÈMENT</b> <i>APPROVAL CERTIFICATE</i>  <b>ORGANISME D'ENTRETIEN</b> <i>MAINTENANCE ORGANISATION</i>  <b>EMAR/FR 145-083</b>
<p>Vu le décret n°2013-366 du 29 avril 2013 et l'instruction interministérielle dite EMAR/FR, en vigueur, relative au maintien de la navigabilité des aéronefs militaires et des aéronefs appartenant à l'État et des produits, pièces et équipements aéronautiques et relative à l'agrément des organismes et des personnes participant à ces tâches, et dans le respect des conditions énoncées ci-dessous, le directeur de la sécurité aéronautique d'État, certifie que :</p> <p><i>Pursuant to the decree n°2013-366 of 29 April 2013 and the interministerial instruction EMAR/FR relating to the continuing airworthiness of military and State owned aircraft and to aeronautical products, parts and appliances and relating to the approval of organisations and personnel to the conditions specified hereafter, the Director of the State Aviation Safety Authority, certifies that :</i></p> <div style="border: 2px solid black; padding: 10px; text-align: center; margin: 10px auto; width: 80%;"> <b>L3HARRIS Aviation Products</b>  <b>5353, 52nd Street SE</b>  <b>Grand Rapids, MICHIGAN, 49512</b>  <b>USA</b> </div> <p>est un organisme d'entretien Partie EMAR/FR 145 autorisé à entretenir les produits répertoriés dans le tableau d'agrément joint en annexe et à délivrer des certificats d'autorisation de remise en service en utilisant la référence ci-dessus</p> <p><i>is a part EMAR/FR 145 maintenance organisation approved to maintain products listed in the attached annex and to issue release to service certificates using the above mentioned reference.</i></p> <p><b>CONDITIONS / conditions :</b></p> <ol style="list-style-type: none"> <li>1. Le présent agrément est limité au domaine d'application défini dans la section correspondante du manuel approuvé des spécifications de l'organisme d'entretien (MOE) comme spécifié à l'annexe II de l'instruction interministérielle EMAR/FR.  <i>This approval is limited to that specified in the scope of work section of the approved maintenance organisation exposition as referred to the annex II of interministerial instruction named EMAR/FR 145.</i></li> <li>2. Le présent agrément implique le respect des procédures prévues dans le manuel approuvé des spécifications de l'organisme d'entretien (MOE) comme spécifié dans la Partie EMAR/FR 145  <i>This approval requires compliance with the procedures specified in the approved maintenance organisation exposition as referred to the Part EMAR/FR 145.</i></li> <li>3. Le présent agrément est valable tant que l'organisme d'entretien agréé Partie EMAR/FR 145 respecte les dispositions de la Partie EMAR/FR 145  <i>This approval is valid whilst the approved maintenance organisation remains in compliance with the Part EMAR/FR 145.</i></li> <li>4. Sous réserve de respecter les conditions 1 à 3 ci-dessus, la durée de validité du présent agrément est illimitée, sauf si l'agrément a été auparavant rendu, remplacé, suspendu ou retiré  <i>Subject to compliance with the conditions 1 to 3 here above, this approval shall remain valid for an unlimited duration unless the approval has been previously been surrendered, superseded, suspended or revoked.</i></li> </ol> <div style="display: flex; justify-content: space-between; margin-top: 20px;"> <div style="width: 45%;"> <p>Date de délivrance initiale : 18/03/2024  <i>Date of original issue</i></p> </div> <div style="width: 45%; text-align: right;"> <p>Signature : Pour le directeur de la sécurité aéronautique d'État  <i>Signed</i> et par délégation            Le général de brigade Jean-Baptiste POURET            Directeur de la navigabilité</p> </div> </div> <div style="text-align: center; margin-top: 20px;">  </div>

**Figure 7: EMAR/FR 145 Certificate (Page 1 of 2)**

**TABLEAU D'AGRÈMENT de l'ORGANISME D'ENTRETIEN**  
*MAINTENANCE ORGANISATION APPROVAL SCHEDULE*

**EMAR/FR 145-083**  
**L3HARRIS Aviation Products**

5353, 52nd Street SE  
Grand Rapids, MICHIGAN, 49512  
USA

CLASSE <i>Class</i>	CATÉGORIES <i>Rating</i>	LIMITATIONS <i>Limitations</i>
<b>ÉLÉMENTS AUTRES QUE LE MOTEUR COMPLET ET LES APU</b> <i>COMPONENTS OTHER THAN COMPLETE ENGINES AND APU</i>	<b>C3</b> Communication et Navigation <i>Comms and Nav</i>	Voir la liste de capacité associée au manuel des spécifications de l'organisme d'entretien EMAR/FR 145-083.  <i>Refer to the capability list associated with the EMAR/FR 145-083 maintenance organization exposition.</i>

Le présent programme se limite aux produits et activités mentionnés dans la section du domaine d'application contenue dans le manuel approuvé des spécifications de l'organisme d'entretien (MOE) comme spécifié dans l'EMAR/FR 145.  
*This approval schedule is limited to those products and activities specified in the scope of work section of the approved maintenance organization exposition referred to the EMAR/FR 145.*

Les activités d'entretien sont réalisées sur le site de Grand Rapids - MICHIGAN (USA).  
*The maintenance activities are carried out in the facility of Grand Rapids - MICHIGAN (USA)*

Référence du MOE : MOE EMAR/FR 145 référence 1926C Révision AA en date du 29 février 2024 (et ses révisions ultérieures approuvées)  
*MOE reference: EMAR/FR 145 MOE reference 1926C Revision AA as dated of 29<sup>th</sup> of February, 2024 (and the future approved revisions)*

Date de délivrance initiale : **18/03/2024**  
*Date of original issue*

N° de révision : **0**  
*Revision number*

Date de la présente révision : **18 mars 2024**  
*Revision date*

Signature : Pour le directeur de la sécurité aéronautique d'État  
et par délégation  
Le général de brigade Jean-Baptiste POURET  
Directeur de la navigabilité



**Figure 7: EMAR/FR 145 Certificate (Page 2 of 2)**





**Civil Aviation Authority**  
of the  
**United Kingdom**  
**MAINTENANCE ORGANISATION**  
**APPROVAL CERTIFICATE**

REFERENCE: UK.145.50083

Pursuant to Regulation (EU) No 2018/1139 of the European Parliament and of the Council Commission Regulation (EU) 1321/2014 and the bilateral agreement currently in force between the United Kingdom and the Government of the United States of America, the Civil Aviation Authority hereby certifies:

**L3HARRIS AVIATION PRODUCTS INC**

**5353 52<sup>ND</sup> STREET SE  
GRAND RAPIDS  
MICHIGAN 49512-9704  
UNITED STATES OF AMERICA**

as a Part-145 maintenance organisation 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:

**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 the CAA).
2. The approval scope shall not exceed the permitted UK Part-145 ratings as detailed UK Reg (EU) No. 1321/2014.
3. This approval requires continued compliance with 14 CFR part 145 and the differences as specified in the Maintenance Agreement 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. For components, certificates for release/return to service must quote the UK Part-145 approval reference number quoted above and the 14 CFR part 145 Air Agency Certificate number.
5. For aircraft, certificates for release to service must quote the UK Part-145 approval reference number quoted above.
6. Subject to compliance with the foregoing conditions, this approval shall remain valid until:

**07 MAY 2026**

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

**Date of original issue: 08 MAY 2024****Signed:**

 Digitally signed by Amy Thompson  
Date: 2024.05.08 11:25:20 +01'00'

**Date of this revision: 08 MAY 2024****Revision No: INITIAL****For the Civil Aviation Authority****Figure 8: CAA UK Certificate (Page 1 of 1)**