

Air Shunt Instruments, Inc.
9101 Winneka Ave. | Chatsworth, CA 91311
PH: (818) 700.1616 | FX: (818) 700.2882
Email: airshunt@airshunt.com

To Whom It May Concern:

Subject: Air Shunt Instruments, Inc. Quality Systems

Attached please find a copy of The Air Shunt Instruments, Inc. Quality Package. This package out-lines the quality system in place at our facility.

- **General Air Shunt Instruments, Inc. Information**
- **Air Shunt Instruments, Inc. products and services**
- **Air Shunt Instruments, Inc. internal quality questionnaire**
- **FAA Air Agency Certificate and operation specifications**
- **Anti-drug and alcohol misuse prevention program**
- **EASA approval and certificate**
- **ISO 9001:2000 Certificate**
- **Airline Supplier Association Affiliation**
- **Various recommendations and awards**





Air Shunt Instruments, Inc.
9101 Winneka Ave. | Chatsworth, CA 91311
PH: (818) 700.1616 FX: (818) 700.2882
Email: airshunt@airshunt.com

RESPONSIBLE PERSON

Quality Manager: Nick Crawford
Telephone number: 818-700-1616 Fax number: 818-700-2882

FACILITY INFORMATION

Number of Warehouses: 1
Inspection points: 4
Plant area (sq.ft): 17,000

PRODUCTS PROVIDED

Aircraft parts repair and sales

GENERAL

Air Shunt Instruments, Inc. has been in the aviation business since 1984 and is a leader in the repair, overhaul, and supply of spare parts for civil and military applications. Air Shunt Instruments, Inc. can repair, overhaul, exchange and supply a vast range of aircraft equipment from original manufacturers such as Collins, BAE, Sirkoskey, Sperry, Honeywell, Allied Signal, Marconi, General Electric, Kollsman, Aerosonic, Litton, Gull Electronics, Grimes, Lear Siegler, Loral, R.C. Allen, and Teledyne.

AIR SHUNT INSTRUMENTS, INC. INFORMATION

Financial information: D & B number: 130110703
Cage Code: 1Y821
FAA certification number: YD2R315L
FAA drug and alcohol certification number: E-WP-00027-U





Air Shunt Instruments, Inc.
9101 Winneka Ave. | Chatsworth, CA 91311
PH: (818) 700.1816 FX: (818) 700.2882
Email: airshunt@airshunt.com

Company Profile

Air Shunt Instruments, Inc. has been in the aviation business servicing the aerospace and defense industry since 1984, and is a worldwide leader in repair, overhaul, and distribution of cutting edge avionics and electromechanical instrumentation and systems for the aerospace and defense industries.

Air Shunt Instruments, Inc. business activities are segmented below:

- **Cockpit and Control Department**

This department supports a wide variety of commercial and military aircraft instrumentation including the DC-8, MD-80, B-727, B-767, A4, A6, A7, F4, F5, F15, F16, F-18, CH3, CH46, CH47, CH53, C123, C130, C160, P3, E2, AND E3.

We support a wide product line of various manufactures including Honeywell, Sperry, Allied Bendix, Kind, Rockwell Collins, Aerosonic, Koolsman, IDC., Lear Siegler, Smiths, Clifton, and Ametek

- **Flight Instruments Department**

This department test, repairs, and overhauls instruments located within the aircraft cockpit.

- **Type of Instruments**

H.S.I.'s A.D.I.'s flight directors, compass indicators, course indicators, and distance indicators

- **Types of equipment Air Shunt Instruments, Inc. supports**

Pitch and roll computers, flight director computers, rate of turn racks, steering computers, mode couplers, autopilot amplifiers and yaw damper computers.

- **Type of cockpit gauges**

Air Shunt Instruments, Inc. has various gauges and indicators for monitoring temperature, pressure, quantity of fuel, oil and air.



AIR SHUNT INSTRUMENTS, INC

FAA-145 SURVEY QUESTIONNAIRE

QUALITY SYSTEM FORMS

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NO.	FAR DOCUMENTS	QUESTION	YES	NO	NA	COMMENTS
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Supplier Name: Air Shunt Instruments, Inc.

Supplier Contact: Nick Crawford

Contact Phone #: 818-700-1616

Contact Fax #: 818-700-2882

Contact e- mail: Quality@airshunt.com

Company Website: Airshunt@airshunt.com

FAA PART 145 AIR AGENCY CERTIFICATE #: YD2R315L

EASA PART 145 CERTIFICATE # (IF ANY): EASA.145.4087

CAGE CODE (IF ANY): 1Y821

AIR SHUNT INSTRUMENTS, INC

FAA-145 SURVEY QUESTIONNAIRE

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QUALITY SYSTEM FORMS

NO.	FAR DOCUMENTS	QUESTION	YES	NO	NA	COMMENTS

PAPERWORK

1	145.211(a)	Is there a written FAA Quality Manual?	X			
2	145.211©, (1), (ix)	Is an internal audit performed?	X			
3	145.211©, ©, (1), (vi)	Does QA perform external audits?	X			
4	145.209, 145.211, 145.217	Are audit findings and corrective action kept on file for at least 3years?	X			
5	145.161, 145.209	Does QA maintain up to date signature roster?	X			
6	15.209 (i), 145.219	Do "return to service" documents meets the customer requirements?	X			
7		Is there a proper separation of inspection and maintenance responsibilities?	X			
8	145.211©, (1), (ix)	Is there an established procedure for corrective actions for discrepancies.?	X			
9	145.209(h)	Does QA has FAA approved vendor or subcontractor list?	X			
10	145.209, 145.219 (a)	Is there a system for control of inspection stamps?	X			
11		Does QA have authority to withhold items that are not to the acceptable quality?	X			
GENERAL INFORMATION						
12	145.161, 145.209 (b)	Is a roster of supervisory/inspection personnel available and current?	X			
13	145.209@	Are the duties and responsibilities for each position on the organizational chart?	X			

AIR SHUNT INSTRUMENTS, INC

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QUALITY SYSTEM FORMS

FAR DOCUMENTS

QUESTION

YES

NO

NA

COMMENTS

14	145.217	Is repair work sent to outside vendors?	X			
15	145.209(h), 145.211 ©, 145.217	Do you perform vendor surveys?	X			
16	145.103	Do you have a controlled storage area?	X			
17	145.211	Can you trace all parts installed in a product back to original certification?	X			
18	145.109	Do you have self-life calendar sensitive program on consumable materials and time sensitive parts?	X			
19	145.211	Does the station have a copy of current FAA regulations?	X			
20	145.211	Does the station have a copy of all applicable worthiness directives, service bulletins, manufacturer service manuals and instructions?	X			
21	145.211	Does the station have current revision service for the above publications?	X			
22	145.211	Does the station have procedures for ensuring all publications are revised and kept current?	X			
23	145.109, 145.211	Do the personnel have access to all publications?	X			
24	145.109	Are outdated/obsolete manuals marked "obsolete" or "for reference only"?	X			
25	145.109 (d)	Are manuals properly identified?	X			
26	145.109 (d)	Are their required shop manuals necessary to perform the maintenance?	X			
CALIBRATION						
27	145.211 9c) (1) (viii)	Is there a system for controlling tools/test equipment calibration and certification?	X			
28	145.109 (b)	All calibration standard traceable to NIST?	X			
29	145.109, 145.211	Is there a procedure for notifications of damaged/or suspected out of calibration tools?	X			
30	145.109	Do calibration records: indicate individual or vendor the performed the calibration or check and due date?	X			
31	145.103	Is the area adequate in size to house all necessary tooling, equipment and material to perform calibration?	X			

AIR SHUNT INSTRUMENTS, INC

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QUALITY SYSTEM FORMS

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NO.	FAR DOCUMENTS	QUESTION	YES	NO	NA	COMMENTS
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32	145.109, 145.211	Is the frequency of calibration reviewed for adequacy?	X			
33	145.211, 145.109	Is the new or reworked measuring and test equipment calibrated prior to use?	X			
		<u>PARTS</u>				
34	145.103	Is there adequate security of the stock room area?	X			
35	145.103 (a)	Are parts separated and identified?	X			
36	145.103	Are unserviceable and obsolete parts separated and properly tagged?	X			
37	145.211 @ (1) (i)	Is there a procedure for inspecting incoming parts?	X			
38	145.211	Is there a procedure for maintaining traceability certification?	X			
39	145.211 @ (1) (i)	Are sampling procedure performed on incoming raw materials?	X			
40	145.109, 145.211	Is there a system in place to insure that no item will be used past its expiration date?	X			
41	145.211	Are procedures in use for the control on nonconforming materials?	X			
		<u>SCRAPPED PARTS</u>				
42	43.10	Is there a documented procedure to assure scrapped parts are either returned to the customer or mutilated beyond use?	X			
43	43.10	Is there an individual responsible to verify that scrapped parts are disposed off?	X			
		<u>INSPECTION AND MAINTENANCE RECORDS</u>				
44	145.219	Is the work order system adequate and traceable?	X			
45	145.219	Is security of records adequate?	X			

AIR SHUNT INSTRUMENTS, INC

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QUALITY SYSTEM FORMS

NO.	FAR DOCUMENTS	QUESTION	YES	NO	NA	COMMENTS

46	145.221	Are procedure for reporting malfunctions and defects being used?	X			
47	145.219 ©	Are records kept for a minimum of three years?	X			
48	145.219	Are work records are legible, in order, and complete?	X			
49	145.219	Do the records contain a description of work performed, the date the work was performed, and the name of the person performing the work?	X			
50	145.219	Are all items in work jacket signed or stamped off?	X			
50	145.211, 145.219	Are records maintained for receiving, in process, and final inspection?	X			
51	145.219 (d)	Are copies of quality records available for examination by the customer and/or government representatives?	X			
TRAINING						
53	145.163	Do you have a training program with annual recurring training?	X			
54	145.155, 145.163	Do all inspection personnel receive training?	X			
55	145.163	Do all technicians receive training?	X			
56	145.163	Do you keep training records on all employee?	X			
57			X			
58			X			



NORTON MEDICAL INDUSTRIES

Drug Programs to Comply With Federal Regulations
6265 Sepulveda Blvd.
Van Nuys, CA 91411
800-243-7669 • 818-779 1900 • Fax 818-779-1908

Certification of United States Department of Transportation Anti-Drug and Alcohol Misuse Prevention Program Compliance

Air Shunt Instrument, Inc.

Air Shunt Instrument, Inc.

9101 Winnetka Ave.
Chatsworth CA 91311

Client No. 534

A. EAP Manager	Nick Crawford
B. FAA 145 Operating Certificate Number	YD2R315L
C. Start Date of Anti-Drug & Alcohol Program	September 6, 1990
D. Date of Certification	September 6, 1990
E. Date of Certification Expiration	December 31, 2008

To Whom It May Concern:

This company is participating in an Anti-Drug Testing Program and Alcohol Misuse Prevention Program to meet the requirements of 14 CFR part 121, appendices I and J and 49 CFR part 40

Marshall A. Zablen MD
Authorized Medical Review Officer
Norton Medical Industries Drug Testing and Alcohol Misuse Prevention Programs

I Certify that I am authorized to represent this company in this matter, that the information in this document is correct to the best of my knowledge and belief, and that the company I represent will comply with the provisions of the Federal Department of Transportation Anti-Drug and Alcohol Misuse Prevention Program regulations.

Nick Crawford
Drug and Alcohol Program Manager

Please keep this form for your compliance records

UNITED STATES OF AMERICA
DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

Air Agency Certificate

Number YD2R315L

This certificate is issued to
AIR SHUNT INSTRUMENTS, INC.

whose business address is

9101 Winnetka Avenue
Chatsworth, California 91311

*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:

Instrument (06-14-84)

Radio

Limited Radio

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

Date issued:

June 14, 1984

Reissued: July 16, 2002

By direction of the Administration

Robyn L. Miller
ROBYN L. MILLER, Manager

Van Nuys FSDO, Western-Pacific Region

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 violation of this certificate is punishable by a fine of not exceeding \$1,000, or imprisonment not exceeding 3 years, or both

UNITED STATES OF AMERICA
DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

Repair Station Operations Specifications

(Continuation)

Limitations:

The ratings (s) set forth on this Agency Certificate Number YD2R315L are limited to the following:

INSTRUMENT Class 1, Class 2, Class 3 and Class 4
RADIO Class 1

LIMITED RATINGS:

RADIO Transponders - All Makes and Models
 Radio Altimeters - All Makes and Models

Technical specifications listed on Air Shunt Instrument's letter, dated June 14, 1984, and manufacturer's manuals and instructions are considered approved data for appliance repairs made by this Repair Station.

Delegated authorities:

None.

Date issued or revised:

July 25, 1995

For the Administration:

KEITH R. THOMPSON

Principal Maintenance Inspector

Van Nuys FSDO



APPROVAL CERTIFICATE

REFERENCE EASA.145.4087

Taking into account the provisions of Article 9(2) of Regulation (EC) N° 1592/2002 of the European Parliament and of the Council and the bilateral agreements currently in force between European Union Member States and the Government of the United States of America, the European Aviation Safety Agency (EASA) hereby certifies :

AIR SHUNT INSTRUMENTS, INC

FAA Repair Station Number: YD2R315L

9101 Winnetka Avenue
Chatsworth, California, 91311
USA

as a Part-145 maintenance organisation approved to maintain the products listed in the FAA Air Agency Certificate and associated Operations Specifications and to 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 FAR Part 145 repair station Air Agency Certificate, and the associated Operations Specifications for work carried out in the USA (Unless otherwise agreed in a particular case by EASA).
2. This approval requires continued compliance with FAR Part 145 and the differences as specified in the Maintenance Implementation Procedures, including the use of the FAA Form 8130-3 for release/return to service of components up to and including powerplants.
3. Certificates of return to service must quote the EASA Part 145 approval reference number quoted above and the FAR Part 145 Air Agency Certificate number.
4. Subject to compliance with the foregoing conditions, this approval shall remain valid for an unlimited duration until the approval is surrendered, superseded, suspended or revoked.

Date of issue: 2007-10-23

Signed

For EASA



European Aviation Safety Agency

The Quality Manager
AIR SHUNT INSTRUMENTS, INC
9101 Winnetka Avenue
Chatsworth, California, 91311
USA
Fax N°: 818 700 2882
Cologne, 22 August 2007

Ref. Letter: EASA D(2007)/L6/Rev 1/EASA.145.4087/01723
Subject: Continuation of EASA Part-145 approval

Dear Sir/Madam,

Following a positive recommendation from the **FAA** the European Aviation Safety Agency hereby confirms the continued validity of your EASA Part-145 approval until **01 August 2009**, subject to continued compliance with FAR 145 and the EASA special conditions as detailed in the Bilateral Aviation Safety Agreement (BASA) and associated Maintenance Implementation Procedures (MIP):

AIR SHUNT INSTRUMENTS, INC

EASA Part-145 Approval certificate reference number:

EASA.145.4087

You are reminded that you will be required to submit your next continuation paperwork package in accordance with the MIP-G which is available on our web site at www.easa.europa.eu.

Yours faithfully,

Julian Hall
Continuing Airworthiness Organisations Manager



This is to certify that the Quality Management System of:

Air Shunt Instruments, Inc.
9101 Winnetka Avenue
Chatsworth, CA 91311

applicable to:

Acquisition, Sales, Warehousing, Repair, Test and Overhaul of Avionics
Instruments and Equipment

has been assessed and approved by
National Quality Assurance, U.S.A., against the provisions of:

ISO 9001:2000

A handwritten signature in black ink that reads 'K.M. Beard'.

For and on behalf
of NQA, USA, Acton, MA 01720

Certificate Number: 11779

First Issued: 4/13/2006

Valid Until: 8/26/2008

EAC Code: 35



Certificate of Registration

This approval is subject to the company maintaining its system to the required standard, which will be monitored by NQA, USA, an accredited organization under the ANSI-ASQ National Accreditation Board.



Quality Assurance

September 25, 2007

AIR SHUNT INSTRUMENTS, INC
DAVID SMITH
9101 WINNETKA AVE
CHATSWORTH, CA 91311

Dear: David Smith,

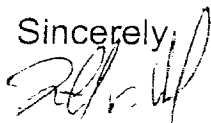
The Quality Assurance Department at Horizon Air has recently completed a mail audit of your repair station's maintenance policies, procedures, and capabilities. Your repair station will be maintained on the Horizon Air Approved Vendor Master List with usage limitations noted below, if applicable. In accordance with the Horizon Air General Maintenance Manual, continued listing is contingent upon satisfactory completion of on-going surveillance by the Horizon Air Quality Assurance Department.

LIMITATIONS: AS SPECIFIED ON AIR AGENCY CERTIFICATE

In lieu of providing your company with a complete copy of the Horizon Air General Maintenance Manual, and in accordance with F.A.R. 145.205, we authorize your company to use applicable manufacturing design data, component maintenance manuals, and/or other approved data when performing maintenance on Horizon Air equipment.

This letter serves as the closing action for the recent audit process.

Thank you for your cooperation.

Sincerely,


Michael V. Huber
Manager of Quality Assurance
Horizon Air

MH:lf

BAE SYSTEMS

Approved Supplier

**Air Shunt Instruments Inc
Chatsworth, Ca. 91311**

Has been approved and is compliant with

BAE Systems, Flight Systems

Quality Assurance Requirements



Rick Escobar
Manager, Supplier Quality Assurance

Approval Expiration: October, 2009

Lockheed Martin Aircraft Center
GREENVILLE, SOUTH CAROLINA
THE FACILITIES AND QUALITY CONTROL SYSTEMS OF

Air Shunt Instruments, Inc.

HAVE BEEN EVALUATED BY THE PRODUCT ASSURANCE
BRANCH OF LOCKHEED MARTIN AIRCRAFT CENTER AND
APPROVED FOR THE FOLLOWING CATEGORY OF SUPPLY:

Overhaul & Repair

Group II

THE ABOVE FACILITY IS APPROVED WITH A LIMITED STATUS AND SHALL PROCURE PRODUCTS OR SERVICES ONLY FROM LOWER TIER SOURCES APPROVED BY LOCKHEED MARTIN PRODUCT ASSURANCE WHEN SUCH APPROVAL IS A REQUIREMENT OF LOCKHEED MARTIN PROCESS SPECIFICATIONS. FAILURE TO NOTIFY LOCKHEED MARTIN OF RELOCATION OR TRANSFER OF FACILITY'S OPERATION, OR UPON ANY CHANGE IN QUALITY CONTROL ORGANIZATION OR PROCEDURES WHICH AFFECTS CONFORMITY VERIFICATION OF APPLICABLE SUPPLIES OR SERVICES IS JUST CAUSE FOR APPROVAL TO BECOME NULL AND VOID

DATE May 26, 1998

SOURCE INSPECTION AND CONTROL

THIS CERTIFICATE IS ONLY INTENDED AS DOCUMENTARY EVIDENCE OF APPROVAL STATUS.



DEFENSE LOGISTICS AGENCY
DEFENSE SUPPLY CENTER RICHMOND
8000 JEFFERSON DAVIS HIGHWAY
RICHMOND, VIRGINIA 23297-6100

IN REPLY
REFER TO DSCR-CSS

June 30, 2005

Mr. Paul Nakkashian
Air Shunt Instruments Incorporated
9101 Winnetka Avenue
Chatsworth, California 91311-6037

Dear Mr. Nakkashian:

At the Aviation Supply Chain Business Conference held June 6-8, 2005, in Richmond, Virginia, Rear Admiral Michael J. Lyden, SC, USN, Commander, DSCR and Vice Admiral Keith W. Lippert, SC, USN, Director, Defense Logistics Agency presented plaques to DSCR's Best Value Medalists. Since your company was not represented, we are enclosing your plaque along with our congratulations. This plaque acknowledges your firm as one of our industry partners who have worked so diligently throughout the year to help us achieve new levels of customer satisfaction through improved logistics support.

We look forward to a continuing partnership and hope to see you at next year's conference. If you have any questions or concerns, please contact Carolyn Harris at (804) 279-6431.

Sincerely,

Jerry W. Padgett
Colonel, U. S. Air Force
Executive Chairman
Aviation Supply Chain
Business Conference

Enclosures

Firms that qualify as Automated Best Value System medalists have met stringent quality and delivery requirements established by the Defense Logistics Agency. The Automated Best Value computerized system collects a vendor's past performance data and translates it into a numeric score, ranging from zero to 100.

To be eligible, vendors must have shipped 10 or more contract lines for DSCR during a 12-month rating period. To qualify for a gold medal, a contractor must have a score of 100. Those who receive a score of 99.0 to 99.9 earn a silver award. Vendors with scores ranging from 98.0 to 98.9 earn a bronze medal. In addition, vendors must have a DLA rating of 95 or better.

DynCorp

Aerospace Technology

August 15, 1997

Air Shunt Industries
9101 WINNETKA AVE.
CEATSWORTH, CA 91311

I just want to take a moment to say "Thank You."

Many of our units are sent all over the United States that require repairs and overhauls. Many of those units are sent to your facility and we are pleased with the results we receive. When status is required, your response time is outstanding, not to mention your turn around time. We can always count on your help and support. If an aircraft is grounded for a unit, you do everything possible to either provide our unit within the required time frame or offer a replacement if the unit is beyond repair. This is very important because it helps us meet our scheduled flights. Please keep up the good work, and thanks again for your support!

Sincerely,



Mike Barnes
Logistics Manager



Letter of Expectation

January 14, 2005

Air Shunt Instruments, Inc.
9101 Winnetka Avenue
Chatsworth CA 91311

To whom it may concern:

At the request of our purchasing department, Kalitta Air, LLC is pleased to add your facility to our Approved Vendor Listing. The Mail-in audit received satisfies our requirements for up to one year.

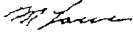
As an approved Repair/Overhaul Vendor (ROV) for Kalitta Air, LLC you are aware of the need to utilize appropriate Manufacturer's Maintenance Manuals, Service Bulletins, Service Letters and Airworthiness Directives to repair, overhaul or test any components for which you are approved by your FAA issue Air Agency Certificate or attached Operations Specifications.

Any Modification to, or deviation from the above-referenced documents is specifically prohibited without knowledge and written approval of Kalitta Air, LLC. Any special requirements will be transmitted to you with our request for repair. (Reference 14 CFR, 145.205)

By accepting our components or parts for repair, your company warrants that it has, or will develop, a system, which assures the transfer of data and information to Kalitta Air pertinent to the effective operation of its Continuing Analysis and Surveillance and Reliability Programs. At a minimum, this will include teardown reports.

The Kalitta Air, LLC, General Maintenance Manual (GMM) and its supplements are available for your review. Please feel free to contact me direct anytime at (734)-544-7038 or Fax (734) 484-7444.

Thank you,


Mike Lowe
Manager of Quality Assurance