



Aviation Recorders 2010 Product Support Directory

For more information:
941.371.0811 x5619
www.l-3ar.com



All rights reserved. No part of this manual may be reproduced or utilized in any form or by any means, electronic or mechanical, including photocopying, recording, or by information storage and retrieval system, without written permission from L-3 Communications, Aviation Recorders.

LIMITED RIGHTS LEGEND

Notice to persons receiving this document and/or data: This document and/or data contains information in which L-3 Communications Corporation, Aviation Recorders Division, has a protected interest and is subject to change without notice. The use, duplication, and/or disclosure, by persons receiving this document and/or data may be subject to restrictions. No part of this document and/or data contained herein may be reproduced and/or used in any form.

The technical information contained in this document does not contain "technology" as defined by the General Technology Note in Export Administration Regulations (EAR) Supplement No. 2 to Part 774 and is, therefore, considered as publicly released as defined in Part 734.7(4).

Inquires should be addressed to:
L-3 Communications, Aviation Recorders
Product Support Department
P.O. Box 3041
Sarasota, FL 34230-3041
TEL: (941) 371-0811
FAX: (941) 377-5591



communications
Aviation Recorders

Mailing Address:	L-3 Communications, Aviation Recorders M/S 20 P.O. Box 3041 Sarasota, FL 34230-3041 USA
Shipping Address:	L-3 Communications, Aviation Recorders 100 Cattlemen Road Sarasota, FL 34232 USA
Telephone:	(941) 371-0811
Telefax:	(941) 377-5591
Telefax Repair Depot:	(941) 377-5585
Vendor Code:	06141
Division Web Site:	www.L-3AR.com
Publications Download Site:	www.L-3AR.net

TABLE OF CONTENTS

Company History	2
Our Presence on the Web	2
Product Support Team	4
Sales Team	5
Aircraft-On-Ground Service	6
Read-Out Support Equipment	7
Factory Repair Station	8
Exchange Program for A100S/A200S/F1000 Circuit Boards	9
Repair Charges for the FCSSU Unit	9
Factory Repair Station Services	10
Exchange Program for FA2100 Circuit Boards & CSMUs	10
Authorized Repair Facilities	11-17
Training	18
Training Syllabus	19
Sarasota Area Hotels	20



communications
Aviation Recorders

COMPANY HISTORY

Formed in April 1997, L-3 Communications encompasses over 90 Business Units worldwide, with over \$13 billion in annual sales and over 65,000 employees.

L-3 Communications, Aviation Recorders designs and manufactures the industry standard in Flight Recorders. The Aviation Recorders product line dates back to the early 1960's and has been in continuous production since then. More than 70,000 recorders have been manufactured and most are still in service. L-3AR recorders are recognized worldwide for their excellent crash survivability, state-of-the-art performance, and low cost of ownership.

Over the years, ownership of the product line has passed from Fairchild Camera Corp. to a number of companies including Schlumberger, Loral, Lockheed Martin and L-3 Communications. Through these changes, our high level of product quality and support has been maintained by our dedicated Aviation Recorders employees.

From our AS-9001 and ISO-9001 certified facility in Sarasota, Florida, 200 dedicated L-3AR employees support customers worldwide with engineering, production, quality assurance, product support, marketing, and sales activities.

OUR PRESENCE ON THE WORLDWIDE WEB

L-3AR division web site is located at www.L-3AR.com. At this site users will find general information about Aviation and Marine systems. The site also provides a method for customers to access status information about repairs through the L-3AR Repair Station Interface.

L-3AR also maintains a Publications Download site at www.L-3AR.net. This site is no-charge for operators and Authorized Repair Facilities needing the latest versions of our publications and service bulletins are encouraged to register on the web site.

For 3rd Party maintenance facilities, the Publications CD-ROM, P/N 147E2718-00, may be purchased for \$10,500 USD and entitles access to the L-3AR Publications download site for one year to obtain updates to the Aviation Recorders electronic files. This website access can be extended for a year for a nominal maintenance fee by maintaining an annual subscription.



communications
Aviation Recorders

TECHNICAL SERVICE & INSTALLATION SUPPORT

L-3AR provides technical service and installation support to customers during the installation and verification of our recorder systems.

The man-day (8-hours) rate for these services is \$1,600 USD with a three day minimum. A minimum of ten working days advance notice is required. An expedite fee of 50% of the daily rate (\$800 USD) is required for notices of less than ten days.

These services are provided at a man-day rate plus all lodging, incidental expenses, food and rental car. Airfare expenses are additional charges.

**AVIATION RECORDERS
DIVISION WEBSITE
www.L-3AR.com**

**AVIATION RECORDERS
PUBLICATIONS WEBSITE
www.L-3AR.net**



communications
Aviation Recorders

PRODUCT SUPPORT TEAM

Dave Dowding

Product Support Manager
 david.dowding@L-3com.com

Ph: (941) 377-5551
 Cell: (941) 284-3048

Gerald Godbee

Senior Product Support Engineer
 India, Australia & New Zealand
 gerald.godbee@L-3com.com

Ph: (941) 377-5531
 Cell: (941) 284-3530

Dave Harmas

Senior Product Support Engineer
 Military Programs, Boeing Wichita, Lockheed Martin, Hawker Beechcraft,
 Cessna, Learjet & In House Training
 dave.harmas@L-3com.com

Ph: (941) 377-5550
 Cell: (941) 928-2570

Mike Phillips

Senior Product Support Engineer
 Mexico, South America, MADRAS Recorders, USA, Gulfstream & Embraer
 mike.phillips@L-3com.com

Ph: (941) 377-5547
 Cell: (941) 726-0107

Fred Wheeler

Senior Product Support Engineer
 Authorized Repair Facilities, Bombardier, USA, Canada & General Aviation
 fred.wheeler@L-3com.com

Ph: (941) 377-5546
 Cell: (941) 320-6751

Tom Meloche

Technical Support Manager
 Europe, Africa, Middle East, Airbus & ATR
 tom.meloche@L-3com.com

Ph: (941) 377-1631
 Cell: (941) 284-2579

Dan Moslek

Product Support Engineer
 Asia
 dan.moslek@L-3com.com

Ph: (941) 377-5541
 Cell: (941) 735-3220

Cathy Wilson

Customer Support Representative
 AOG/Warranty Administrator & ROSE Licensing
 cathy.wilson@L-3com.com

Ph: (941) 377-5574
 Fax: (941) 379-1628



communications
Aviation Recorders

SALES TEAM

Mike Smith

Senior Vice President
Aviation Business Development

Ph: (941) 377-5540
mike.smith@L-3com.com

Glenn Wilson

Vice President, Business Development
North America

Ph: (941) 377-5523
Cell: (941) 284-6386
glenn.wilson@L-3com.com

William Brankin

Director, Business Development
International Sales

Ph: (941) 377-5521
Cell: (941) 809-1346
william.brankin@L-3com.com

Dick Brown

Sales Manager
International Sales

Ph: (941) 377-5500
Cell: (941) 447-8399
dick.brown@L-3com.com

Stephanie Gnudi

Sales Engineer
Central & South America, Military

Ph: (941) 379-1655
Cell: (941) 266-0607
stephanie.gnudi@L-3com.com

Denise D'Eath

Customer Service Supervisor

Ph: (941) 379-1658,
Fax: (941) 377-5591
denise.d'eath@L-3com.com

Lori Yoder

Sr. Sales Support Administrator
Worldwide (except Mexico, Central and South America), OEMS

Ph: (941) 377-5537
lori.yoder@L-3com.com

Jennifer Hannigan

Sales Support Administrator
Mexico, Central and South America, Repair Facilities, Third Parties

Ph: (941) 379-1646
jennifer.hannigan@L-3com.com

Margit Burnett

Sales Support Administrator
Spare Piece Parts, Ground Support Equipment

Ph: (941) 371-0811, x5624
margit.burnett@L-3com.com



communications
Aviation Recorders

AIRCRAFT-ON-GROUND (AOG) SERVICE

L-3AR provides 24-hour, 7-days-per-week AOG support and service in accordance with ATA WASG guidelines. PLEASE NOTE THAT AOG SUPPORT IS PROVIDED AT THE LINE REPLACEABLE UNIT (LRU) LEVEL ONLY. REQUESTS FOR SPARE OR REPLACEMENT SRUs OR COMPONENTS, OR INQUIRIES REGARDING LRUs NEEDING OR PREVIOUSLY RETURNED FOR REPAIRS, REGARDLESS OF WARRANTY STATUS, ARE NOT HANDLED ON AN AOG BASIS (see additional information below on “Factory Repair Station” on page 8).

For ALL AOG Service Requests: It is expected that Customers/Operators manage their operations in accordance with ATA WASG guidelines. With respect to these guidelines, Customers/Operators may be asked during an AOG call if spare inventories have been purchased according to L-3AR recommendations, and if availability of the spares inventories has been researched prior to the AOG call.

You will be required to provide Your Name, Customer/Operator Name, Phone & Fax Number, Aircraft Type, Aircraft Tail Number, Location of AOG, a Brief Summary of LRU Failure Mode, the Part Number of the failed LRU, and, if available, the Serial Number of the failed LRU.

If you cannot provide the necessary information, L-3AR will nevertheless attempt to handle your request as “Critical” and respond to your inquiry within 24 hours. In some cases, you may need to wait for information until the next business day.

L-3AR Factory AOG Telephone Service, Normal Business Hours:
 Between the hours of 7:30 a.m. to 5:00 p.m. Eastern Time USA, Monday through Friday, contact the L-3AR Operator at 941-371-0811 and ask the operator to transfer your call to Extension 5574. The AOG Administrator that handles your call will either respond directly to your inquiry or direct your call to a Product Support Engineer. In some cases, the AOG Administrator may recommend that you contact an L-3AR Authorized Repair Facility for a more timely response to your AOG needs.

L-3AR Factory AOG Telephone Service, After-Hours, Holidays, Weekends:
 At times other than Normal Business Hours, contact the L-3AR Switchboard at 941-371-0811. Identify to the Operator that you have an AOG. The Operator will take your return phone number and advise you to expect a return phone call very shortly, or direct your call to a Product Support Engineer.

Authorized Repair Facility AOG Service:

Customers/Operators are invited and encouraged to contact the following Authorized Repair Facility locations for AOG service. If the Repair Facility requires L-3AR Factory assistance in response to the AOG, this will be coordinated in most cases by the Facility Representative taking the AOG call. Depending on the circumstances of the individual AOG, you may be referred to the L-3AR Factory.

For North America, contact L-3AR (p.8) or AIRCO (p.12).

For Europe & UK, contact Muirhead (p.14).

For Asia, contact SIAEC (p.16).

For Australia, contact Flight Data Systems (p.13).



communications
Aviation Recorders

READ-OUT SUPPORT EQUIPMENT (ROSE)

The Read-Out Support Equipment (ROSE) software is used to read-out, analyze, and test L-3AR's Model FA2100 and F1000 family of recorders. Each copy of your ROSE software must now be registered [via fax \(941-379-1628\)](tel:941-379-1628). Failure to register your ROSE software, and to renew your software license agreement on an annual basis, may result in our inability to provide you with technical assistance with ROSE questions or problems.

To purchase a single new copy of the ROSE software, the price is \$7,500 USD which includes a 1-year Software Maintenance Agreement. For details about quantity discounts offered on the ROSE software and information on site license costs, refer to the current L-3AR Price Catalog.

The annual ROSE Software Maintenance Agreement Renewal (859E1437-00) price for each copy of the software is \$750 USD. You are not required to use the latest version of ROSE if your fleet operations do not require it. However, you will not receive subsequent revisions of ROSE or engineering support if your Software Maintenance Agreement has lapsed.

If you have registered your software, you will receive an automatic e-mail notification to renew your agreement approximately sixty days before your existing agreement expires. The e-mail will request that you order P/N 860-E2501-00 ROSE Software Maintenance Agreement. Your P.O. must include the serial number of the currently registered ROSE license. The P.O. may be faxed to 941-379-1628, Attn. Cathy Wilson.

If your ROSE software is loaded on a personal computer or laptop that you provide, and if that machine has software that is not approved or recognized by L-3AR, then L-3AR will NOT validate the FDR download or readout results. The personal computer or laptop which is loaded with the ROSE software must be configured ONLY to be a Read-Out Center/5 (ROC/5, p/n 17TES0300) or Read-Out Center/6 (ROC/6, p/n 17TES0400) or ROSE Analysis Unit (RAU), p/n 17TES0060 / 17TES0063. If there are other software programs on your machines that do not relate to L-3 products or software, maintenance performed on the FDR will NOT be determined to be in compliance with the relevant CMM should your local airworthiness officials seek to obtain such assurances from L-3AR.

CVR AUTOMATED TEST STATION (CATS)

The CATS Software is used with a Read-Out Support Center/6 (ROC/6, p/n 17TES0400). The CATS Software is used for Read-Out and Automatic testing of the FA2100 CVR and FA2100 CVDR units. The software is priced and licensed controlled the same way as the ROSE software described above. The annual maintenance agreement (859E4127-00) is controlled by Cathy Wilson, fax 941-379-1628.



communications
Aviation Recorders

FACTORY REPAIR STATION **(FAA: LD7R612J)** **(JAA.4620)**

The Repair Department can be reached during the hours of 7:30 a.m. to 5:00 p.m. Monday through Thursday by telephone at 941-377-5517, or by fax at 941-377-5585. L-3AR performs overhaul and repair service on all of our Cockpit Voice Recorders and Flight Data Recorders. For repair service, ship units to:

L-3 Communications
Aviation Recorders
100 Cattlemen Road
Sarasota, FL 34232 USA
Attn: Repair Department
Fax #: (941) 377-5585

Please route international shipments through our customs agent in Tampa, Florida. Customs invoice paperwork must indicate country of manufacture for returned item.

L-3 Communications, c/o A.J. Arango, Inc.
 Ph: (813) 248-8831
 Fax: (813) 875-5809
 www.ajarango.com

Tampa International Airport
 Air Cargo Building
 4700 North Hoover Blvd.
 Tampa, FL 33614

For Repair Status Tracking information, refer to
<http://www.L-3ar.com/rgrstatus/index.html>

Gerald Godbee
 Repair Station Supervisor
 Ph: (941) 377-5531
 gerald.godbee@L-3com.com

Terry Hurst
 Chief Inspector
 Ph: (941) 377-5554
 terry.hurst@L-3com.com

Beth Suttie
 Military Repairs
 Assoc. Contract Manager
 Ph: (941) 377-5515
 beth.suttie@L-3com.com

Denise Bartels
 Repair Coordinator
 Ph: (941) 377-5517
 denise.bartels@L-3com.com



communications
Aviation Recorders

EXCHANGE PROGRAM FOR A100S/A200S/F1000 CIRCUIT BOARDS

Aviation Recorders will charge a set price for our replacement PWAs, to be sent out only upon prior receipt of the customer's exchange PWA. All PWAs will have a one--year warranty.

PWA PART NUMBER	EXCHANGE PRICE	PWA PART NUMBER	EXCHANGE PRICE
205E0033-0X	\$1,098	205E0597-00	\$1,407
205E0116-00	\$1,407	205E0598-00	\$2,434
205E0117-00	\$1,121	205E0975-00	\$2,119
205E0118-00	\$1,327	205E0976-0X	\$2,534
205E0120-00	\$1,064	205E0990-00	\$ 515
205E0122-XX	\$1,064	205E0990-01	\$ 721
205E0148-00	\$ 572	205E1020-00	\$ 751
205E0163-01	\$1,121	205E1027-00	\$1,332
205E0163-02	\$1,407	205E1045-00	\$1,144
205E0183-00	\$ 572	205E1046-00	\$ 795
205E0194-0X	\$ 572	205E1050-00	\$ 718
205E0347-00	\$ 675	205E1265-00	\$1,258
205E0537-00	\$ 475	205E1329-00	\$ 801
205E0538-00	\$ 372	205E1533-01	\$1,775
205E0586-00	\$ 218	205E1539-00	\$1,407

REPAIR CHARGES FOR THE FLASH CRASH SURVIVABLE STORE UNIT

FCSSU PART NUMBER	REPAIR PRICE	FCSSU PART NUMBER	REPAIR PRICE
253E0348-XX	Not Repairable	253E1293-00	\$2,130
253E0660-XX	Not Repairable	253E1293-01	\$2,465
253E0918-XX	Not Repairable	253E1293-02	\$2,465
253E0992-XX	Not Repairable	253E1296-01	\$5,232
253E1245-01	Not Repairable	253E1296-03	\$4,044
253E1290-00	\$2,130	253U1290-00	\$2,130
253E1290-01	\$2,011	253U1290-01	\$2,011
253E1290-02	\$1,972	253U1290-02	\$1,972
		253E1568-38	\$3,834

Note: Refer to the L-3 Price Catalog for new part prices.

Prices are subject to change without notice.



communications
Aviation Recorders

FACTORY REPAIR STATION SERVICES

Upgrade 2100-1010-00 to 2100-1020-00
 2-Hour Standard Quality Audio - \$3,500
 2-Hour High Quality Audio - \$6,500

EXCHANGE PROGRAM FOR FA2100 CIRCUIT BOARDS & CSMUs

Upon receipt of the defective part, our repair station will dispatch a repaired service part, with the following pricing:

PWA PART NUMBER	EXCHANGE PRICE	PWA PART NUMBER	EXCHANGE PRICE
205E1591-0X	\$1,680	205E1931-0X	\$1,661
205E1592-00	\$1,034	205E2502-11	\$1,693
205E1592-01	\$1,034	205E2502-13	\$2,286
205E1592-02	\$1,579	205E2502-14	\$2,286
205E1593-00	\$1,339	205E2502-51	\$1,693
205E1593-01	\$1,676	205E2502-52	\$1,693
205E1763-01	\$1,579	205E2503-01	\$900
205E1849-00	\$1,121	205E3977-10	\$1,247
205E1849-02	\$1,224	205E3977-12	\$1,247
205E1849-03	\$1,339	205E3977-13	\$1,339
205E1849-04	\$1,247	205E3977-14	\$1,247
205E1849-10	\$1,247	205E3977-16	\$810
205E1883-00	\$265	205E3977-17	\$708

CSMU PART NUMBER	REPAIR PRICE	CSMU PART NUMBER	REPAIR PRICE
253E1568-00	\$3,884	253E1568-06	\$2,659
253E1568-01	\$2,659	253E1568-07	\$3,884
253E1568-02	\$2,619	253E1568-09	\$2,619
253E1568-03	\$2,508	253U1290-00	\$2,130
253E1568-04	\$3,834	253U1290-01	\$2,011
253E1568-05	\$3,783	253U1290-02	\$1,972

A one-year warranty applies to FA2100 circuit boards and CSMUs received through the Exchange Program.

Note: Refer to the L-3 Price Catalog for new part prices.

Prices are subject to change without notice.



communications
Aviation Recorders

AUTHORIZED REPAIR FACILITIES

Company Name / Address	Approvals / Capabilities	Loaner / Rental Equipment
---------------------------	-----------------------------	------------------------------

L-3 COMMUNICATIONS, AVIONICS SYSTEMS

5250 NW 33rd Avenue
Fort Lauderdale, FL 33309

FAA: UL2R217L

S100-0080-00 (11)

Ph: (954) 497-0100
Ph: (800) 854-3115
Fax: (954) 497-0190
AOG: (954) 629-8689

All L-3AR Products
Readout Service
Database Development

Donna Himschoot (x3127)
donna.himschoot@L-3com.com

ABU DHABI AIRCRAFT TECHNOLOGIES (GAMCO)

P.O. Box 46450
Adjacent to Abu Dhabi
International Airport
Abu Dhabi, United Arab Emirates

FA2100CVR
FA2100FDR

Ph: 971 (2) 5757555
Ph: 971 (2) 5057530
Fax: 971 (2) 5757263

Kirubel Tegene
kabebe@adat.ae

www.adat.ae



communications
Aviation Recorders

AUTHORIZED REPAIR FACILITIES

Company Name / Address	Approvals / Capabilities	Loaner / Rental Equipment
---------------------------	-----------------------------	------------------------------

AERO INSTRUMENTS & AVIONICS, INC.

7290 Nash Road
North Tonawanda, NY 14120

Ph: (716) 694-7060
Fax: (716) 694-7594

James Wasilewski
jimw@aeroinst.com
www.aeroinst.com

FAA: NC1 R343K
EASA.145.4037
JAA.4037
CAAC: F.5418

All L-3AR Products
Readout Service

17M900
17M903-281
93A100-30
93A100-80
93A100-83
GA100-0000
S100-0080-00
S200-0003-00
S200-0012-00
S800-3000-00
S903-2000-00
PI 17TE50043
DAP 17TES0250
PAU 17TES0010
RAU 17TES0055
TAC 024E0747-00

AIRCRAFT INSTRUMENT & RADIO (AIRCO GROUP)

1851 S. Eisenhower Ct.
Wichita, KS 67209

Ph: (316) 945-9820
Ph: (800) 972-7626
Fax: (316) 945-8014

Adam Holstine
adamh@airco-ict.com

www.airco-ict.com

FAA: T12R188L
EASA.145.4100
JAA.4100
CAAC: F.5224
CASE ID: #536
CAGE: 6L052

All L-3AR Products
Readout Service

93A100-83
S100-0080-00
S200-0003-00
S703-1000-00
S800-2000-00
S800-3000-00
2100-1010-00 (2)
2100-1010-51 (4)
2100-1020-00 (3)
PAU 17TES0010
PCC 024E0693-00
PDDU 17TE165
RAU 17TES0055
TAC 024E0747-00



communications
Aviation Recorders

AUTHORIZED REPAIR FACILITIES

Company Name / Address	Approvals / Capabilities	Loaner / Rental Equipment
---------------------------	-----------------------------	------------------------------

DUKANE CORP.

Seacom Division
2900 Dukane Drive
St. Charles, IL 60174

Ph: (630) 762-4075
AOG: (630) 697-4753
Fax: (630) 762-4049

Ken Jones
kjones@dukcorp.com

www.dukcorp.com/seacom

FAA: D3KR791J
JAA: 4390
CAGE: 94970
EASA PART: 145-4390

All L-3AR Products
Readout Service

17M600
17M700
17M800
93A100-83
CU 93A152
GA100-0000
S100-0080-00 (2)
S200-0003-00
S200-0012-00
S703-1000-00
S800-2000-00
S800-3000-00
2100-1020-00
2100-2043-00
2100-4043-00
PI 17TES0043 (3)
DAP 17TES0250
TAC 024E0747-00

FLIGHT DATA SYSTEMS

31 McGregors Drive
Keilor Park
3042
Victoria, Australia

Ph: (03) 8331 2900
Fax: (03) 9336 1758

Ray Banks
ray.banks@flightdata.com.au
tech_services@flightdata.com.au

www.flightdata.com.au

CASA
EASA
Defense Supplier
Code: Z7C70
ISO9001

All L-3AR Products
Readout Service
Database Development
FOQA Service
MADRAS

17M903-274
93A100-83
2100-1020-00
2100-4043-00
S100-0080-00
S200-0003-00
S200-0012-00
S800-2000-00
S903-2000-00
PI 17TES0043
PAU 17TES0010
DRU 17TES0041
DAP 17TES0250



communications
Aviation Recorders

AUTHORIZED REPAIR FACILITIES

Company Name / Address	Approvals / Capabilities	Loaner / Rental Equipment
---------------------------	-----------------------------	------------------------------

HANGXIN AVIATION ENGINEERING GROUP

No. 2 Kexin Road
Tianhe District
Guangzhou 510665
Guangdong, China

CAAC: D.3011
JAA.F-041/E

Ph: 86-20-85556999 ext. 226
Fax: 86-20-85570765

Michelle Qiu
qiuxun@hangxin.com

www.hangxin.com

MUIRHEAD AVIONICS

Easterlin Corp.
3 Square One Heathrow
Southall Lane
Southall
Middlesex UB2 5NH
England

Ph: 44 (0) 20 8571 3422
Fax: 44 (0) 20 8571 2336

John Chisholm
john.chisholm@ametek.co.uk

www.muirheadaerospace.com
fdrsection@muirheadavionics.com

FAA: H9EY443N
JAA.CAA.00592
CAGE: K0624

All L-3AR Products
Readout Service
Database Development

FOQA/FDM Service
Micro QAR

17M703-278
17M800-261
17M900-274
93A100-10, -30,
-31, -80, -83
S100-0080-00
S200-0003-00
S200-0012-00
S603-1000-00
S703-1000-00
S800-2000-00
S800-3000-00
2100-1020-00,
-02, -51 (2)
2100-2042-00
2100-4042-00
2100-4043-00
DRU 17TES0041
PI 17TES0043 (2)
RAU 17TES0055



communications
Aviation Recorders

AUTHORIZED REPAIR FACILITIES

Company Name / Address	Approvals / Capabilities	Loaner / Rental Equipment
---------------------------	-----------------------------	------------------------------

PACIFIC AVIONICS & INSTRUMENTS LTD.

4200 Cowley Crescent
Vancouver International Airport
Richmond, B.C. V7B 1B8

Ph: (604) 278-2105
Ph: (800) 668-4245
Fax: (604) 278-9729

Gordon Bott
gordon.bott@pacificavionics.com

www.pacificavionics.com

T.C.: AMO 1-74
CAGE: 3AJ6

All L-3AR Products
Readout Service
Database Development

93A100-80
93A100-83

17M800
S100-0080-00
S200-0003-00
S200-0012-00
S800-3000-00
PAU 17TES0010
PI 17TES0043
RAU 17TES0060

RUAG AEROSPACE SERVICES GMBH

Airport Oberpfaffenhofen
Claude Dornier Sta. 1
82231 Wessling
Germany

Ph: 49-81-5-330-2466
AOG: 0160-5326-707
Fax: 49-81-5-330-4222

Ralf Dohle
ralf.dohle@ruag.com

www.ruag.com

FAA: BU5Y76617
EASA 145.0002
CAGE: D0216
JAR: 21
ISO 9100

All L-3AR Products
Readout Service
Database Development
FOQA/FDM Service

17M800-261 (2)
93A100-80
93A100-83 (2)
S200-0003-00
S200-0012-00 (2)
S703-1000-00
S800-2000-00
2100-4043-00
DRU 17TES0041
PI 17TES0043 (2)



communications
Aviation Recorders

AUTHORIZED REPAIR FACILITIES

Company Name / Address	Approvals / Capabilities	Loaner / Rental Equipment
---------------------------	-----------------------------	------------------------------

SIA ENGINEERING COMPANY

SIA Engineering Company
Hangar
31, Airline Road
Singapore 819831

CAAS: AWI/01
FAA: SBOY989H
JAA: CAA.00434
CAAC: F06500249

Ph: 65-65415134
Fax: 65-65460679

FA2100CVR
FA2100FDR
A100S
A200S
F1000

Lui Kok Siong
koksiong_lui@singaporeair.com.sg

Chan Eng Kiat
engkiat_chan@singaporeair.com.sg

SR TECHNICS

CH-8058, Zurich Airport
Zurich, Switzerland

FAA: SWRY 3221
EASA: CH.145.0200

Ph: 41 43 812 67 61
Fax: 41 43 812 98 76

All L-3AR Products

Mario Nessi
componentmaintenanceCH@srtechnics.com
loanexchangeCH@srtechnics.com

93A100-80
93A100-82
S200-0012-00
S800-2000-00
S800-3000-00
2100-1020-00
2100-1020-02
2100-4043-00
2100-4043-02
PI 17TES0043
DRU 17TES0041

Daniel Zangger
daniel.zangger@srtechnics.com

www.srtechnics.com



communications
Aviation Recorders

AUTHORIZED REPAIR FACILITIES

Company Name / Address	Approvals / Capabilities	Loaner / Rental Equipment
---------------------------	-----------------------------	------------------------------

TAM - TAXI AEREO MARILIA

Av. Emilio Antonon s/n,
13212-010 Jundiaí
Sao Paulo
Brazil

ANAC: 6905-1
FAA: QL4Y470M
DNA: 1-B-239
DGAC: E-371

Ph: 55-11-4589-5500
AOG: 55-11-8350-8258

Roberto Fajardo
roberto.fajardo@tammrl.com.br

UNITED AVIONICS PVT LTD

Epsilon,
Yemlur Village Main Road
Bangalore 560 037
India

A100S
A200S
F1000
FA2100 CVR
FA2100 FDR
FA2200 MADRAS
FA2300 MADRAS

Ph: 91-80-25223275
Fax: 91-80-2523279

Joy Joseph
joseph@unitedaviation.co.in



communications
Aviation Recorders

TRAINING

Formal training courses on the FA2100 Flight Data Recorder and Cockpit Voice Recorder are offered at the Sarasota facility three times a year. In addition, an Authorized Repair Facility course is offered in April of every other year. Training class size is limited to 15 persons for the FA2100 FDR class and 10 persons for the FA2100 CVR class. In addition, no more than 2 persons per operator / customer.

Airline and Military operators may attend the training at no-charge, however, travel expenses are the responsibility of each operator.

For Customer-On-Site training in domestic locations, the charge is \$1600 USD per day plus airfare. For Customer-On-Site training in international locations, the charge is \$2500 USD per day plus airfare.

NO REFUNDS for training course cancellation are available. However, in the event of a cancellation, registration payments can be applied to registration in a future class.

Please contact Product Support or visit www.L-3AR.com for further information and for class registration.

For the best prices when making hotel arrangements, please contact Debbie Berry at (941) 377-5507 or email debbie.berry@L-3com.com

<u>COURSE</u>	<u>DATES OFFERED</u>
FA2100 FDR	February 1st - 5th June 7th - 11th October 11th - 15th
FA2100 CVR	February 8th - 10th June 14th - 16th October 18th - 20th



communications
Aviation Recorders

TRAINING SYLLABUS

FA2100 FDR TRAINING COURSE

- Day 1: General Lecture:
 - Flight Recorder Operating Specifications
 - Recording Formats
 - Discussion of GSE and use on Aircraft and Bench
 - Functional descriptions of internal components
 - Maintenance capabilities
- Day 2: General lecture and demonstration of ROSE using ROC5/6, RAU & QAR
- Day 3: Hands on ROSE programming and Database design, including reporting formats
- Day 4: Continuation of Day 3
 - Introduction and demonstration of the Portable Interface & QAR
 - Return to Service using the ROC5/6
- Day 5: Continuation of Day 4
 - Return to Service testing of the Model FA2100 FDR and F1000 SSFDR using the ROC5/6
 - Certificates of completion and class critique

FA2100 CVR TRAINING COURSE

- Day 1: General Lecture:
 - Part Numbers
 - Cockpit Voice Recorder characteristics
 - Recording duration
 - Discussion of GSE and use on Aircraft and Bench
 - Functional descriptions of internal components
 - Maintenance capabilities
- Day 2: Readout of data
 - Return to Service testing of the A200S & FA2100 CVR CATS using ROC/6 and RIU
- Day 3: Certificates of completion and class critique

Class is inclusive of the Operation, Maintenance and Readout of the three CVR models currently in production.



communications
Aviation Recorders

SARASOTA AREA HOTELS

AmericInn & Suites (located across from L-3)

5931 Fruitville Road	01/01/10 - 01/31/10	\$84.00
Sarasota, FL 34232	02/01/10 - 04/15/10	\$119.00
(941) 342-8778	04/16/10 - 12/31/10	\$84.00
(941) 342-8668 (fax)		

Holiday Inn (Lakewood Ranch)

6231 Lake Osprey Drive	01/01/10 - 01/31/10	\$99.00
Sarasota, FL 34240	02/01/10 - 03/31/10	\$129.00
(941) 782-4404	04/01/10 - 12/31/10	\$99.00
(941) 782-4401 (fax)		

Homewood Suites by Hilton (3 miles west of L-3)

3470 Fruitville Road	01/01/10 - 01/17/10	\$104.00 (Studio)
Sarasota, FL 34237	01/18/10 - 04/04/10	\$119.00 (Studio)
(941) 365-7300	04/05/10 - 12/31/10	\$104.00 (Studio)
(941) 365-7372 (fax)	(Complimentary Shuttle to and from L-3)	

Hyatt Place Hotel (at SRQ Airport)

950 University Parkway	01/01/10 - 04/30/10	\$105.00
Sarasota, FL 34234	05/01/10 - 12/31/10	\$87.00
(941) 554-5800	(Complimentary Shuttle to and from L-3	
(941) 552-5679 (fax)	and restaurants)	

Hyatt Sarasota (Downtown)

1000 Boulevard of the Arts	01/01/10 - 04/30/10	\$117.00
Sarasota, FL 34236	05/01/10 - 12/31/10	\$93.00
(941) 953-1234		
(941) 952-1987 (fax)		

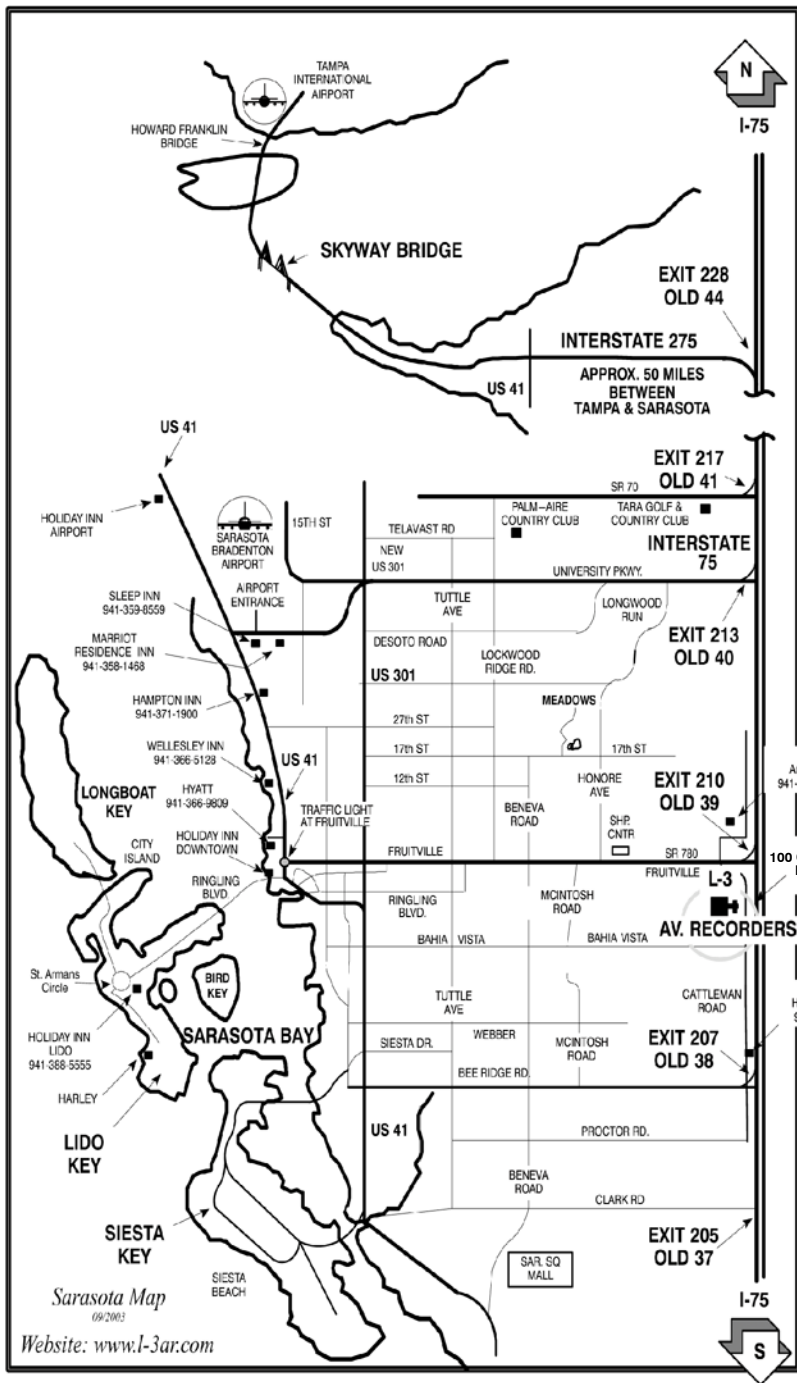
Lido Beach Resort

700 Ben Franklin Drive	01/03/10 - 02/11/10	\$109.00 (Sun. - Thur.)
Sarasota, FL 34236		\$139.00 (Fri. & Sat.)
(941) 388-2161	02/12/10 - 04/11/10	\$179.00 (Sun. - Thur.)
(941) 388-3175 (fax)		\$209.00 (Fri. & Sat.)
	04/12/10 - 12/23/10	\$109.00 (Sun. - Thur.)
		\$139.00 (Fri. & Sat.)

The Ritz Carlton (Downtown)

1111 Ritz Carlton Drive	01/01/10 - 04/30/10	\$259.00 (Weekday Rates)
Sarasota, FL 34236	05/01/10 - 12/20/10	\$169.00 (Weekday Rates)
(941) 309-2000	12/21/10 - 12/31/10	\$259.00 (Weekday Rates)
(941) 309-2100 (fax)		

Please contact Debbie Berry at (941) 377-5507 or
debbie.berry@L-3com.com for reservation assistance.



AVIATION RECORDERS QUALITY STATEMENT

"We will satisfy our customers' needs and expectations through continual improvement."

CERTIFICATION

**L-3 Aviation Recorders Quality Management System is
ISO 9001:2000 and AS9100:2004 Rev. B Certified**



communications
Aviation Recorders

**P.O. Box 3041
Sarasota, FL 34230
Tel: (941) 371-0811
Fax: (941) 377-5591
www.L-3com.com**