



**AVIATION
COMMUNICATION &
SURVEILLANCE SYSTEMS**

2003

PRODUCT CATALOG

Table of Contents

Description	Page
INTRODUCTION	1
PRODUCTS AND PRICES	2
TCAS	2
Transponders	3
T²CAS	4
Other Items	5
Antenna	5
Installation Considerations	6
Third Party Products	7
Configuration Table	9
HOW TO ORDER	10
Policy	10
Payment Procedures	11
End Use/End User Certification	12
Customer Credit Application	13
Terms, Conditions and Warranty	15
CONTACT INFORMATION	16
ACSS	16
Exchange/Rental Services	18
Air Transport AOG Services	18
ACSS Authorized Service Centers	18
Thales Avionics	29
PUBLICATIONS	21

INTRODUCTION

ACSS (Aviation Communication & Surveillance Systems, LLC), an L-3 Communications & Thales Company, is pleased to provide you with our **2003 Product Catalog** (Publication Number ACSS-001-03-01). This catalog includes general information about our products and services, as well as a list of line-replaceable units (LRUs) that are typically selected by operators during initial and follow-on provisioning activities.

This catalog is valid for orders placed anytime from January 1, 2003 through December 31, 2003 with scheduled deliveries prior to April 1, 2004.

ACSS is a leader in safety avionics systems with products that reduce the potential for mid-air and terrain collisions. Serving all aviation markets, ACSS has standard installations on the industry's most important business and regional airframes, and is the surveillance system of choice for many major airlines and operators. ACSS offers complete surveillance solutions for military flight operations, including TCAS II and Mode S/IFF systems that can be upgraded to TAWS and Cooperative Member capability.

Products:

- **T²CAS™** combines terrain and traffic avoidance into one-LRU, with optional GPS and Windshear.
- **TCAS 2000** is the only second-generation TCAS II with more than 6,000 deliveries.
- **Commercial Mode S** and **Military Mode S/IFF** transponders enable aircraft to identify and track other aircraft.
- **MASS** military airborne surveillance system enhances situational awareness for military flight operations by adding formation and rendezvous capability to the TCAS 2000.

ACSS is a joint venture company of L-3 Communications & Thales. ACSS began as a division of L-3 Communications after L-3 purchased the TCAS and Mode S product lines from Honeywell on April 28, 2000. The joint venture company was formed in June 2001 and has grown into a strong, independent company whose state-of-the-art technologies have yielded leading-edge products such as T²CAS and MASS.

ACSS is responsible for the design, manufacture, and support of all our products, along with sales to our regional airline, business aviation, general aviation and military customers. Thales Avionics is the exclusive sales and support agent of ACSS products to Commercial Air Transport customers.

The ACSS Sales and Customer Services teams are comprised of dedicated professionals located around the world. They can assist in answering questions regarding the functions and features of the complete ACSS product line, as well as to provide presentations and proposals. Should you have questions or concerns, please contact an ACSS sales representative.

Honeywell continues to provide migration and transition of product production and support services to ACSS until further notice. The TCAS products will be manufactured under FAA approvals granted to Honeywell until such time as ACSS obtains its own FAA manufacturing approvals and TSO certifications.

Availability

Many of the ACSS products are stock items and are available for immediate shipment. Situations do arise where material shortages cause lead-times to be placed on these items. Contact your ACSS representative for the latest availability information.

PRODUCTS AND PRICES

Listed below are the individual ACSS product part numbers, descriptions and prices:

TCAS

The TCAS 2000 is a second generation TCAS/ACAS based upon the state-of-the art design technologies and practices of ACSS. It allows for software updates on the aircraft via a front connector and is available with the latest FAA Change 7 software, which also meets European ACAS II requirements. TCAS 2000 tracks Mode S aircraft targets out to 100 nm and incorporates both 28VDC and 115AC power supplies in both four and six MCU versions. The six MCU replaces the older TCAS II computer.



RT-950



RT-951

TCAS for Commercial Aircraft Applications

Model	Part Number	Description	Unit Price
RT-950	7517900-10001	TCAS 2000 Computer, 6 MCU backward compatible to the TCAS II for transport aircraft. Certified at Boeing.	\$115,130
RT-950	7517900-10002	TCAS 2000 Computer, 6 MCU backward compatible to the TCAS II or transport aircraft. Certified with Airbus CFDS changes.	\$115,130
RT-950	7517900-10003	TCAS 2000 Computer, 6 MCU ACAS II compliant software (Change 7) per DO-185A.	\$118,343
RT-950	7517900-10004	TCAS 2000 Computer, 6 MCU, interfaces to Collins Change 7 transponder.	\$118,343
RT-951	7517900-55001	TCAS 2000 Computer, 4 MCU with internal cooling fan.	\$115,130
RT-951	7517900-55002	TCAS 2000 Computer, 4 MCU with internal cooling fan.	\$115,130
RT-951	7517900-55003	TCAS 2000 Computer, 4 MCU ACAS II compliant software (Change 7) per DO-185A.	\$118,343
RT-951	7517900-55004	TCAS 2000 Computer, 4 MCU, interfaces to Collins Change 7 transponder.	\$118,343
RT-951	7517900-71003	TCAS 2000 Computer, 4 MCU (short handle) ACAS II compliant software (Change 7) per DO-185A.	\$118,343
RT-951	7517900-71004	TCAS 2000 Computer, 4 MCU (short handle), interfaces to Collins Change 7 transponder.	\$118,343
RT-952	7517905-61002	TCAS 1500 Computer (TCAS I), 4 MCU with internal cooling fan	\$ 38,325

TCAS for Military Aircraft Applications

Model	Part Number	Description	Unit Price
RT-951	7517900-56102	TCAS 2000 Computer, 4 MCU for Military with internal cooling fan.	\$118,343
RT-950	7517900-20001	TCAS 2000 Computer, 6 MCU for Military with MASS (Military Airborne Surveillance System) and internal cooling fan.	Upon request
RT-951	7517900-56201	TCAS 2000 Computer, 4 MCU for Military with MASS (Military Airborne Surveillance System) and internal cooling fan.	Upon request
		Conversion Kit (4MCU TCAS 2000 to TCAS 2000 with MASS (Military Airborne Surveillance System))	Upon request
		Conversion Kit (6MCU TCAS 2000 to TCAS 2000 with MASS (Military Airborne Surveillance System))	Upon request

Transponders

Mode S transponders for the TCAS 2000 system perform all functions of existing air traffic control radar beacon systems (ATCRBS). The transponders incorporate FAA-specified diversity capability that permits operation with both upper and lower antennas. The XS-950 family incorporates a 16 segment extended length data link message format for ADS-B functions.



XS-950



RCZ-852

Transponders for Commercial Aircraft Applications

Model	Part Number	Description	Unit Price
RCZ-852	7510700-850	Regional / Corporate Diversity Mode S Level 3A Transponder	\$17,380
IK-415	7510707-968	RCZ-852 transponder Mount Kit	\$ 1,369
IK-850	7510351-901	Spacer Kit, for vertical mounting of two trays	\$ 32
XS-950	7517800-10002	ICAO Level 4, Air Transport Mode S Transponder, 4 MCU.	\$34,827
XS-950	7517800-10003	ICAO Level 4, Air Transport Mode S Transponder, 4 MCU, ADS-B functionality used on both Boeing and Airbus aircraft.	\$34,827
XS-950	7517800-10004	ICAO Level 4, Air Transport Mode S Transponder, 4 MCU, ADS-B and Change 7 functionality.	\$36,827
XS-950	7517800-10005	ICAO Level 4, Air Transport Mode S Transponder, 4 MCU, ADS-B and Change 7 functionality. Conforms to ARINC 718A. Conforms to EADS OMS requirements and enhanced surveillance.	\$40,827
XS-950	7517800-20012	ICAO Level 4, Air Transport Mode S Transponder, 4 MCU, with Russian altimeter interface.	\$34,827

Transponders for Military Aircraft Applications

Model	Part Number	Description	Unit Price
XS-950SI	7519350-25050	Military Mode S/IFF Transponder, AC version, interfaces to external KIT 1C crypto device.	\$80,532
XS-950SI	7519350-70050	Military Mode S/IFF Transponder, DC version, interfaces to external KIT 1C crypto device.	\$80,532
XS-950SI	7519350-25051	Military Mode S/IFF Transponder, Change 7 software, AC power version, interfaces to external KIT 1C crypto device.	\$90,732
XS-950SI	7519350-70051	Military Mode S/IFF Transponder, Change 7 software, DC power version, interfaces to external KIT 1C crypto device.	\$90,732

T²CAS

T²CAS combines the TCAS 2000 with the most advanced terrain avoidance technology in a one-LRU safety avionics package with optional navigation quality GPS and/or Windshear. Front loading compact flash memory card permits updating of the worldwide terrain and airport databases. Aircraft climb based performance eliminates nuisance warnings and alerts.



T²CAS for Commercial Aircraft Applications

Model	Part Number	Description	Unit Price
TT-950	9000000-10001	T ² CAS 6-MCU- End item Assembly (without GPS)	\$170,498
TT-952	9000000-20001	T ² CAS 6-MCU- End item Assembly (With GPS)	\$180,498
	9000000-30001	T ² CAS/MASS 6-MCU- End item Assembly (Without GPS)	Upon request
	9000000-40001	T ² CAS/MASS 6-MCU- End item Assembly (With GPS)	Upon request
TT-951	9000000-55001	T ² CAS 4-MCU- End item Assembly	\$170,498
AP-950	9000001-10001	APM - End item assembly (without software)	\$ 2,500
	8000225-001	Conversion Kit (4MCU TCAS 2000 to 4MCU T ² CAS)	\$ 70,000
	8000226-001	Conversion Kit (6MCU TCAS 2000 to T ² CAS/MASS with GPS)	\$ 80,000
	8000227-001	Conversion Kit (6MCU TCAS 2000 to T2CAS/MASS without GPS)	\$ 70,000
	8000228-001	Conversion Kit (6MCU T2CAS without GPS to T2CAS/MASS with GPS)	\$10,000
	AT575-XXX	GPS Antenna Kit	\$ 1,000

T²CAS for Military Aircraft Applications

Model	Part Number	Description	Unit Price
TT-951	9000000-60001	T ² CAS 4-MCU with MASS (Military Airborne Surveillance System)	Upon request

Other Items

Model	Part Number	Description	Unit Price
CX-910	4052190-90X	Air Transport ATC TCAS Control Panel.	Upon request
TD-910	4067487-901	Pressure Transducer Module (PTM) converts static pressure to a low speed ARINC 429 signal that is then used by the VSI/TRA to calculate altitude rate.	\$7,986
	4067492-9XX	Pressure Transducer Module (PTM) – Bezel Mounting Kit	\$ 430
	4067493-901	Pressure Transducer Module (PTM) – Right Angle Mounting Kit	\$ 60

Antenna

The TCAS directional antenna is a four-element, vertically polarized, monopole array capable of transmitting in four selectable directions at 1030 MHz. The antenna is capable of receiving replies from all directions simultaneously with bearing information at 1090 MHz, using amplitude-ratio monopulse techniques.



Model	Part Number	Description	Unit Price
AT-910	7514081-9XX	TCAS Directional Antenna (Reference TABLE 1)	\$10,965
AT-910	7514060-9XX	TCAS Directional Antenna without mounting plate (Reference TABLE 1)	\$10,965

Table 1 – TCAS Directional Antenna

Part Number	Description
7514060-901	TCAS Directional Antenna, 4 mounting screws, flat base, no mounting plate
7514060-902	TCAS Directional Antenna, 8 mounting screws, flat base, no mounting plate
7514081-901	TCAS Directional Antenna, 4 mounting screws, flat base, 1.560" connector extension
7514081-902	TCAS Directional Antenna, 8 mounting screws, flat base, 1.560" connector extension
7514081-903	TCAS Directional Antenna, 8 mounting screws, curved base, 61.25" radius, 1.560" connector extension
7514081-904	TCAS Directional Antenna, 8 mounting screws, curved base, 66.52" radius, 1.560" connector extension
7514081-905	TCAS Directional Antenna, 8 mounting screws, curved base, 74.02" radius, 1.560" connector extension
7514081-906	TCAS Directional Antenna, 8 mounting screws, curved base, 77.78" radius, 1.560" connector extension
7514081-907	TCAS Directional Antenna, 8 mounting screws, curved base, 99.02" radius, 1.560" connector extension

Part Number	Description
7514081-908	TCAS Directional Antenna, 8 mounting screws, curved base, 111.02" radius, 1.560" connector extension
7514081-909	TCAS Directional Antenna, 8 mounting screws, curved base, 118.52" radius, 1.560" connector extension
7514081-910	TCAS Directional Antenna, 8 mounting screws, flat base, .705" connector extension
7514081-911	TCAS Directional Antenna, 8 mounting screws, curved base, 77.78" radius, .705" connector extension
7514081-912	TCAS Directional Antenna, 8 mounting screws, curved base, 111.02" radius, .705" connector extension
7514081-913	TCAS Directional Antenna, 4 mounting screws, flat base, .705" connector extension
7514081-914	TCAS Directional Antenna, 8 mounting screws, curved base, 53.02" radius, .705" connector extension
7514081-915	TCAS Directional Antenna, 8 mounting screws, curved base, 44.80" radius, .705" connector extension
7514081-916	TCAS Directional Antenna, 8 mounting screws, curved base, 42.0" radius, .705" connector extension
7514081-917	TCAS Directional Antenna, 8 mounting screws, curved base, 85.06" radius, 1.560" connector extension

Installation Considerations

ACSS has available STC data packages for many of the most common aircraft types and models. In addition other STC approvals exist and are available from various modification and completion centers. Please contact L-3 for information about your specific aircraft.

Should your particular aircraft not be covered by an existing installation approval, or other issues arise, ACSS Applications Engineering is available to assist with the installation design and approval process. Our team of experienced engineers can work with your staff, or can perform a "turn key" complete package approval. Please contact ACSS for assistance with your installation.

THIRD PARTY PRODUCTS

Thales (formerly Sextant)

Vertical Speed Indicator / Traffic Resolution Advisory

Part Number	Description	Unit Price
457400GBXXXX	Thales Vertical Speed Indicator/Traffic Resolution Advisory (VSI/TRA) color display unit provides the display symbology for the traffic advisories as well as the vertical rate of climb/descent. 115V power supply, Grey Bezel.	\$32,600
457400LAXXXX	Thales Vertical Speed Indicator/Traffic Resolution Advisory (VSI/TRA) color display unit provides the display symbology for the traffic advisories as well as the vertical rate of climb/descent. 28V power supply, Black Bezel.	\$32,600

Sensor Systems

L-Band Antenna

Model	Part Number	Description	Unit Price
	S65-5366-7L	Sensor Systems L-band Antenna, DC grounded, hermetically sealed. For use with transponder, DME, ATC, IFF, and Mode -S application	\$500

AeroAntenna Technology

GPS Antenna

Model	Part Number	Description	Unit Price
	AT575-xxx	AeroAntenna Technology GSP Antenna which meet ARINC743 and DO160C specifications. Environmentalall qualified, lightning and EMI tested and FAA approved.	\$1,300

L-3 Communications Display Systems

SuperSet Multi-Function Display

Model	Part Number	Description	Unit Price
	V63A010-00-XXX	SuperSet Display Functions of ARINC 708A Weather Radar, Traffic Collision Avoidance System, and Terrain Awareness and Warning System.	\$29,900

Gables Control Panels

The following contains descriptions and prices of Gables Control Panels which can be purchased through ACSS:

Part Number	Description	Unit Price
G6990-XX	Gables ATC TCAS Control Panel with Keyboard, 115 VAC, dash number (XX) indicates panel configuration and options	\$9,569
G6992-XX	Gables ATC TCAS control panel with Knobs, 115 VAC, dash number (XX) indicates panel configuration and options	\$10,900

Part Number	Description	Unit Price
G7130-XX	Gables ATC TCAS Control Panel, 28 VDC, dash number (XX) indicates panel configuration and options	\$12,300
G7300-XX	Gables ATC TCAS/IFF Control Panel, 28 VDC	\$25,000

T²CAS Installation Kits

TCAS installation kits prices (typically \$16,000 to \$23,000) are available upon request. Actual prices will vary depending on aircraft.

(SEE TABLE 1 BELOW FOR CONFIGURATION REQUIREMENTS)

Part Number	Description	Unit Price
KT010	Configuration 0 Kit	\$20,300 to 25,100
	NRE for Configuration 0 Kit	\$43,200
KT020	Configuration 1 Kit	\$19,100 to 24,000
	NRE for Configuration 1 Kit	\$38,400
KT030	Configuration 2 Kit	\$8,800 to 13,700
	NRE for Configuration 2 Kit	\$36,000
KT040	Configuration 3 Kit	\$8,300 to 13,100
	NRE for Configuration 3 Kit	\$27,600
KT050	Configuration 4 Kit	\$19,100 to 23,900
	NRE for Configuration 4 Kit	\$36,000
KT060	Configuration 5 Kit	\$17,900 to 23,900
	NRE for Configuration 5 Kit	\$31,200
KT070	Configuration 6 Kit	\$10,100 to 16,100
	NRE for Configuration 6 Kit	\$28,800
KT080	Configuration 7 Kit	\$7,700 to 12,500
	NRE for Configuration 7 Kit	\$19,800
KT090	Configuration 8 Kit	\$1000 to 1,500
	NRE for Configuration 8 Kit	\$12,000

CONFIGURATION TABLE

This table defines kit configurations by detailing the existing aircraft configuration status.

Initial Aircraft Configuration	Existing GPS Position Source	Existing TCAS II	Existing GPWS	Existing EGPWS
0	No	No	No	No
1	No	No	Yes	No
2	No	Yes	No	No
3	No	Yes	Yes	No
4	Yes	No	No	No
5	Yes	No	Yes	No
6	Yes	Yes	No	No
7	Yes	Yes	Yes	No
8	Yes	Yes	Yes	Yes

(*) ALL KITS PRICING QUOTED HEREIN ARE AN ESTIMATE SUBJECT TO AN AIRCRAFT SURVEY BY ACSS. OUR ESTIMATES ARE BASED ON THE BEST AIRCRAFT CONFIGURATION DATA AVAILABLE TO US AT THIS TIME. UPON ACCEPTANCE OF THIS PROPOSAL WE WILL SCHEDULE AN AIRCRAFT SURVEY AND PROVIDE YOU WITH A FINAL QUOTATION.

HOW TO ORDER

Ordering ACSS equipment is easy.

Simply provide us a written purchase order that includes:

1. Purchase order number.
2. Shipment routing.
3. Item description and part number .
4. Quantity.
5. Delivery schedule.
6. Price.
7. Designated aircraft type or spare designation.

Purchase Order Acceptance and Acknowledgement

Order acknowledgment will confirm shipping dates, price, part number, etc.

ACSS will contact the customer upon receipt of purchase order.

In the case of conflict between the terms and conditions of this Product Catalog and any purchase order issued to ACSS, the terms and conditions of this Product Catalog and any amendment thereto shall prevail. Acceptance and/or acknowledgement of purchase orders by ACSS shall not be construed as a waiver to the order of precedence herein.

POLICY

Prices are valid for orders placed anytime from January 1, 2003 through December 31, 2003 with scheduled deliveries prior to December 31, 2003.

All material listed in this Price Catalog will be packaged in accordance with ATA Specification 300.

All components that are returned from overseas must be in the original carton and must be clearly marked "Returned American Goods" both on the outside of the parcel and on all shipping documents. For smaller components, air parcel post is the recommended method of returning units.

All customer returns must be pre-authorized by ACSS customer services department. Units returned without a Return Material Authorization (RMA) number will be returned to sender.

The prices listed are U.C.C. F.O.B. factory for domestic customers and Incoterms 2000 FCA factory for international customers and are exclusive of all applicable federal, state, and local sales, use and other taxes and duties.

Listed unit weights are for reference only and should not be used for critical measurements. Reference the ACSS 'Outline and Installation' Drawings for actual weights.

For shipments to a destination outside the United States, please allow additional time for processing the required export paperwork and for shipping.

To comply with the U.S. export regulations,

A.) All orders for items to be shipped by ACSS to a foreign destination must be accompanied by:

1. A written purchase order
2. An End-User Certificate with appropriate signatures
3. The identification of any intermediate consignees
4. The ultimate end-user

B.) Purchase orders for items to be shipped to a freight forwarder or exporter for further shipping to a foreign location must be accompanied by:

1. A written purchase order
2. The end-user of the equipment and specific aircraft type
3. The holder of the export license and export license number, if necessary

C.) Purchase orders destined for U.S. locations shall be accompanied by the "End Use/End-User Statement of Certification located in this catalog.

PAYMENT PROCEDURES

If your company has an established account with ACSS, which is not past due, invoices shall be paid in accordance with the terms of the credit agreement. If you have not established credit with ACSS, or your account is past due, shipments will be on credit card, C.O.D. (Collect on Delivery), C.B.D. (Cash Before Delivery) or Wire Transfer basis. Customers paying via wire transfer should process the funds to:

Bank of America, Chicago, IL.
Account #8666513308
ABA #071000039

Please indicate which invoice numbers you wish to be cleared with your payment.

All other forms of payment must reference the appropriate invoice number and should be mailed to:

Aviation Communication & Surveillance Systems, LLC
4443 Collection Center Drive
Chicago, IL 60693
U.S.A.

Payment made by credit card: Each transaction must identify cardholder, card number, and expiration date.

Payments must be deposited in the appropriate ACSS bank account by the agreed-to payment date. ACSS standard payment terms are Net 30 from shipment.

In the event you refuse to accept a C.O.D. shipment, and the unit is returned to ACSS undelivered, you will be liable for all shipping and restocking costs incurred.

If there are any questions or concerns regarding payment or delays, please contact the account representative listed on your monthly Statement of Account, or contact:

Deborah Biggs
A/R Management
ACSS
19810 N. 7th Avenue
Phoenix, AZ 85027-4400
TEL: (623) 445-6913
FAX: (623) 445-7001
SITA: PHXHWCR

New Account:

If you do not currently have an account with ACSS and would like to place orders with ACSS, a Customer Credit Application and End Use/End User Certification form (see following pages) must be completed and mailed or faxed to:

Deborah Biggs
ACSS Credit/Collections Department
19810 N. 7th Avenue
Phoenix, AZ 85027-4400
TEL: (623) 445-6913
FAX: (623) 445-7001

END USE/END USER CERTIFICATION

To: Whom It May Concern:

Re: Compliance with United States Export Regulations

It is ACSS's policy to verify the end use and end user in all sales and repairs of ACSS products and in all transfers of technical data or software to ensure compliance with applicable U.S. export control laws and regulations. Because the products you are purchasing, or software or technology you are licensing, may be exported and used outside of the United States, please confirm the following:

1. I (We) will not export or reexport any ACSS products, technology or software to Cuba, Iran, Iraq, Libya, North Korea, Sudan, or Syria, Federal Republic of Yugoslavia (Serbia), singular entity of Ariana Afghan Airlines or any other country, company, or person on the Department of Commerce Denials List, Department of State Statutorily Debarred Parties, ITAR Munitions Export Orders, or any other U.S. Government debarred list as identified in the Visual Compliance website (www.visualcompliance.com), unless otherwise authorized by the United States Government.
2. I (We) will not sell, transfer, export or re-export any ACSS products for use in activities which involve the development, production, use or stockpiling of nuclear, chemical or biological weapons or missiles, nor use ACSS products in any facilities which are engaged in activities relating to such weapons.
3. I (We) acknowledge that U.S. law prohibits the sale, transfer, export or reexport or other participation in any export transaction involving ACSS products with individuals or companies listed in the U.S. Commerce Department's Table of Denial Orders, the U.S. Treasury Department's list of Specially Designated Nationals or the U.S. Department of State's list of individuals debarred from receiving Munitions List items and other applicable lists, i.e. Entity List.
4. I (We) will abide by all applicable U.S. Export control laws and regulations for all products purchased from ACSS and will obtain any licenses or approvals required by the U.S. Government prior to export or re-export of ACSS's products, software or technology.

Signature

Date

Print Person's Name

Company Name

Title

Address

Originating ACSS Office: _____ U.S. Federal Tax I.D. # _____

CUSTOMER CREDIT APPLICATION

Please provide the following information to facilitate establishing a business account for use in ACSS goods and services:

Bill to Name

(Street, P.O. Box) Address to which invoices and statements will be sent

City State Zip, Postal Country

Estimated annual orders: _____

Ship to Address: The address to which products will be shipped.

(Street Address)

City State Zip Code, Postal Country

Date Business Started Type of Aircraft Owned/Service(d) (if applicable) Monthly Line of Credit Requested

Person to contact regarding payment or financial matters

Name Title Telephone Fax

Sales Tax Exempt: ____ Yes ____ No

If you are *exempt* from Tax, please provide a copy of your Resale Certificate or other Exemption Certificate.

Check box if purchases will be made with credit cards. (Do not complete Trade Credit Reference section.)

ACSS accepts the following credit cards: Visa, Master Card, Discover, and American Express
Each transaction must identify CardHolder, Card Number and Expiration Date

Trade Credit References (include your primary bank):

1. _____
2. _____
3. _____

ENCLOSE A COPY OF YOUR LATEST FINANCIAL STATEMENT

I/WE WARRANT THE INFORMATION SHOWN ABOVE TO BE TRUE. I/WE AUTHORIZE THE PERSON TO WHOM THIS APPLICATION IS SUBMITTED TO INVESTIGATE THE REFERENCES HEREIN. STATEMENTS, OR OTHER DATA OBTAINED FROM ME/US OR FROM ANY OTHER PERSON PERTAINING TO MY/OUR CREDIT AND FINANCIAL RESPONSIBILITY. I/WE UNDERSTAND ALL COSTS ASSOCIATED WITH COLLECTING PAST DUE ACCOUNT BALANCES INCLUDING COLLECTION AGENCY FEES, IF APPLICABLE, SHALL BE BORNE BY THE PURCHASER.

Signature Title Date

Type or Print Name of Person Signing

Please Return Form by Fax to: 602-436-1252 ATTN: Customer Master Files

UNIFORM SALES AND USE TAX CERTIFICATE MULTIJURISDICTION

Issued to Seller: **ACSS**
19810 N. 7th Avenue
Phoenix, AZ 85027-4400

I HEREBY CERTIFY THAT:

Name of Firm (Buyer):	_____	is engaged as a registered:	_____
Address:	_____	- Common Carrier	_____
	_____	- Wholesaler	_____
	_____	- Retailer	_____
	_____	- Manufacturer	_____
	_____	- Lessor	_____
	_____	- Direct Pay	_____
	_____	- Other (Specify)	_____

and is registered with the below listed states and cities within which your firm would deliver purchases to us and that any such purchases are for wholesale, resale, ingredients or components of a new product to be resold, leased or rented in the normal course of our business. We are in the business of wholesaling, retaining, manufacturing, leasing (renting) the following:

Description of Business:

General description of products to be purchased from the seller:

AL	_____	MS	_____
AZ	_____	NE	_____
AR	_____	NV	_____
CA	_____	NJ	_____
CO	_____	NM	_____
CT	_____	NY	_____
DC	_____	NC	_____
FL	_____	ND	_____
GA	_____	OH	_____
HI	_____	OK	_____
ID	_____	PA	_____
IL	_____	RI	_____
IN	_____	SC	_____
IA	_____	SD	_____
KS	_____	TN	_____
KY	_____	TX	_____
LA	_____	UT	_____
ME	_____	VT	_____
MD	_____	VA	_____
MA	_____	WA	_____
MI	_____	WV	_____
MN	_____	WI	_____
MO	_____	WY	_____
OTHER	_____	OTHER	_____

I further certify that if any property so purchased tax free is used or consumed by the firm as to make it subject to a Sales and Use Tax we will pay the tax directly to the proper taxing authority when state law so provides or inform the seller for added tax billing. This certificate shall be part of each order, which we may hereafter give to you, unless otherwise specified, and shall be valid until canceled by us in writing or revoked by the city of state.

Under Penalties of perjury, I swear or affirm that the information on this form is true and correct as to every material matter.

Authorized Signature: _____ (Owner, Partner, or Corporate Officer)

Title: _____

Date: _____

Note: Complete this form only if claiming tax-exempt status or return a copy of your resale certificate with your completed application.

TERMS, CONDITIONS, AND WARRANTY

EFFECTIVE JANUARY 1, 2003

FOR THE EQUIPMENT DESCRIBED HEREIN

Any order placed against this Product Catalog is subject to the ACSS General Terms and Conditions of Sale which are available upon request.

CONTACT INFORMATION

ACSS Order Administration and Contracts

+1 (623) 445-7006 "Contracts" Fax
+1 (623) 445-7002 "Repair Order Admin" Fax

Giacomo Mayer

Director of Contracts
& Order Administration
+1 (623) 445-6930
giacomo.mayer@acssd.L-3com.com

Melanie Peterson

Customer Order Administrator
+1 (623) 445-6938
melanie.peterson@acssd.L-3com.com

Carl Messinger

Senior Contract Administrator
& Export Control Coordinator
+1 (623) 445-6931
carl.messinger@acssd.L-3com.com

Susan Fairman

Customer Order Administrator
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Air Transport AOG Services

Administered by logistics partner SAVE-GIE

Provides Commercial Air Transport with Aircraft On Ground LRU services for ACSS products.

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Visit the web site address: www.save-gie.com where you can also place orders track shipments, or check inventory availability.

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Today, repairs are being done by two ACSS Service Centers and one ACSS authorized facility.

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PUBLICATIONS

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The TCAS products will continue to be manufactured under FAA approvals granted to Honeywell until such time as ACSS obtains their own FAA manufacturing approvals and TSO certifications. ACSS Technical Publications, such as System Description and Installation Manuals, Pilots Manuals, Service Bulletins, Technical Newsletters, and others, are listed below. To obtain one of these documents, please place your request by e-mail acss.crc@l-3com.com, listing documents desired.

System Description and Installation Manuals

Publication Number	Description
A09-3841-001	<i>TCAS 2000 System Description and Installation Manual</i> (RCZ-852 "Stand Alone" is also covered in this manual)
A15-3841-009	<i>TCAS 2000 System Description and Installation Manual for Military Applications</i>
A15-3840-001	<i>TCZ-910 TCAS II System Description and Installation Manual</i> (Business Jet, Regional Airline and Helicopter Version)
A15-3841-05	<i>TCAS II System Description and Installation Manual</i> (Air Transport Version)
A09-3841-003	<i>TCAS 1500 System Description and Installation Manual</i>
A09-3839-001	<i>Mode S Data Link Transponder System Description and Installation Manual XS-950</i>
A15-3839-001	<i>Mode S & IFF Data Link Transponder System Description and Installation Manual XS-950 {Export Restricted}</i>
A15-3834-02	<i>Mode S System Description and Installation Manual</i>

Pilot Manuals

Publication Number	Description
C28-3841-02	TCAS II (Air Transport Version MOPS 6.04A)
A28-1146-136	TCAS 1500 (TCAS I Manual)
A28-1146-070	TCAS (Business Jet, Regional Airline and Helicopter Version which covers both TCAS II and TCAS 2000 with MOPS 6.04A) (Rev 3 is MOPS 6.04A)
C28-3841-005	TCAS/ACAS II Change 7 (covers both TCAS II and TCAS 2000)

Video

Publication Number	Description
VT8350-19: NTSC VT8350-20 PAL	"Clear of Conflict"

Computer Based Training (CBT) CD-ROM

Publication Number	Description
C03-3841-001	TCAS 2000 w/change 7 Operations and Maintenance

Internet Web Site

For the latest information on products and support, visit the ACSS Aviation Communication and Surveillance Systems web site located at <http://www.L-3com.com/acss/>.