



**AUTHORIZED FEDERAL ACQUISITION SERVICE
INFORMATION TECHNOLOGY SCHEDULE PRICELIST
GENERAL PURPOSE COMMERCIAL INFORMATION TECHNOLOGY
EQUIPMENT, SOFTWARE AND SERVICES**

Note: Contractor has been awarded all Special Item Numbers under the Cooperative Purchasing and Disaster Recovery Programs.

Special Item No. 132-8 Purchase of Equipment
Special Item No. 132-12 Maintenance, Repair Service and Repair Parts/Spare Parts
Special Item No. 132-33 Perpetual Software Licenses
Special Item No. 132-34 Maintenance of Software
Special Item No. 132-50 Training Courses

Aviat U.S., Inc.

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Contract Number:
GS-35F-0313P

Period Covered by Contract:
March 1, 2004 through February 28, 2014

General Services Administration
Federal Supply Service

Pricelist current through Modification #PA-0004, dated April 6, 2011.

Products and ordering information in this Authorized FAS Information Technology Schedule Pricelist are also available on the GSA Advantage! System. Agencies can browse GSA Advantage! by accessing the Federal Acquisition Service's Home Page via the Internet at <http://www.gsa.gov/fas>

SIN 132-8 PURCHASE OF EQUIPMENT

FSC CLASS 5820 - RADIO AND TELEVISION COMMUNICATION EQUIPMENT, EXCEPT AIRBORNE

Microwave Radio Equipment/Antennas and Waveguides

NOTE: Installation must be incidental to, in conjunction with and in direct support of the products sold under SIN 132-8 of this contract and cannot be purchased separately. If the construction, alteration or repair is segregable and exceeds \$2,000, then the requirements of the Davis-Bacon Act apply. In applying the Davis-Bacon Act, ordering activities are required to incorporate wage rate determinations into orders, as applicable.

**SIN 132-12 - MAINTENANCE OF EQUIPMENT, REPAIR SERVICE, AND REPAIR PARTS/SPARE PARTS
(FPDS Code J070 - Maintenance and Repair Service)(Repair Parts/Spare Parts - See FSC Class for basic equipment)**

- Maintenance

SIN 132-33 - PERPETUAL SOFTWARE LICENSES

FSC CLASS 7030 - INFORMATION TECHNOLOGY SOFTWARE

Microcomputers

Application Software

SIN 132-34 - MAINTENANCE OF SOFTWARE

**SIN 132-50 - TRAINING COURSES FOR INFORMATION TECHNOLOGY EQUIPMENT AND SOFTWARE
(FPDS Code U012)**

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**INFORMATION FOR ORDERING ACTIVITIES
APPLICABLE TO ALL SPECIAL ITEM NUMBERS**

SPECIAL NOTICE TO AGENCIES: Small Business Participation

SBA strongly supports the participation of small business concerns in the Federal Acquisition Service. To enhance Small Business Participation SBA policy allows agencies to include in their procurement base and goals, the dollar value of orders expected to be placed against the Federal Supply Schedules, and to report accomplishments against these goals. For orders exceeding the micropurchase threshold, FAR 8.404 requires agencies to consider the catalogs/pricelists of at least three schedule contractors or consider reasonably available information by using the GSA Advantage!™ on-line shopping service (www.gsaadvantage.gov). The catalogs/pricelists, GSA Advantage!™ and the Federal Acquisition Service Home Page (www.gsa.gov/fas) contain information on a broad array of products and services offered by small business concerns. This information should be used as a tool to assist ordering activities in meeting or exceeding established small business goals. It should also be used as a tool to assist in including small, small disadvantaged, and women-owned small businesses among those considered when selecting pricelists for a best value determination. For orders exceeding the micropurchase threshold, customers are to give preference to small business concerns when two or more items at the same delivered price will satisfy their requirement.

1. GEOGRAPHIC SCOPE OF CONTRACT

Domestic delivery is delivery within the 48 contiguous states, Alaska, Hawaii, Puerto Rico, Washington, DC, and U.S. Territories. Domestic delivery also includes a port or consolidation point, within the aforementioned areas, for orders received from overseas activities.

Overseas delivery is delivery to points outside of the 48 contiguous states, Washington, DC, Alaska, Hawaii, Puerto Rico, and U.S. Territories.

Offerors are requested to check one of the following boxes:

- The Geographic Scope of Contract will be domestic and overseas delivery.
- The Geographic Scope of Contract will be overseas delivery only.
- The Geographic Scope of Contract will be domestic delivery only.

2. CONTRACTOR'S ORDERING ADDRESS AND PAYMENT INFORMATION

Aviat U.S., Inc.
5200 Great American Parkway
Santa Clara, CA 95054

Contractors are required to accept credit cards for payments equal to or less than the micro-purchase threshold for oral or written delivery orders. Credit cards **will** be acceptable for payment above the micro-purchase threshold. In addition, bank account information for wire transfer payments will be shown on the invoice.

The following telephone number can be used by ordering activities to obtain technical and/or ordering assistance:

(770) 753-6050

3. LIABILITY FOR INJURY OR DAMAGE

The Contractor shall not be liable for any injury to ordering activity personnel or damage to ordering activity property arising from the use of equipment maintained by the Contractor, unless such injury or damage is due to the fault or negligence of the Contractor.

4. STATISTICAL DATA FOR GOVERNMENT ORDERING OFFICE COMPLETION OF STANDARD FORM 279:

Block 9: G. Order/Modification Under Federal Schedule
Block 16: Data Universal Numbering System (DUNS) Number: **11-329-9986**
Block 30: Type of Contractor - **C. Large Business**
Block 31: Woman-Owned Small Business - **No**
Block 36: Contractor's Taxpayer Identification Number (TIN): **77-0016028**

- 4a. CAGE Code: 0ADY2
4b. Contractor has registered with the Central Contractor Registration Database.

5. **FOB DESTINATION**

6. **DELIVERY SCHEDULE**

- a. TIME OF DELIVERY: The Contractor shall deliver to destination within the number of calendar days after receipt of order (ARO), as set forth below:
- | SPECIAL ITEM NUMBER | DELIVERY TIME (Days ARO) |
|---------------------|--|
| 132-8 | 15-75 days based on product selected and quantity ordered |
| 132-33 | 15-30 days (NOTE: Delivery does not include any user-defined software customization) |
- b. URGENT REQUIREMENTS: When the Federal Supply Schedule contract delivery period does not meet the bona fide urgent delivery requirements of an ordering activity, ordering activities are encouraged, if time permits, to contact the Contractor for the purpose of obtaining accelerated delivery. The Contractor shall reply to the inquiry within 3 workdays after receipt. (Telephonic replies shall be confirmed by the Contractor in writing.) If the Contractor offers an accelerated delivery time acceptable to the ordering activity, any order(s) placed pursuant to the agreed upon accelerated delivery time frame shall be delivered within this shorter delivery time and in accordance with all other terms and conditions of the contract.

7. **DISCOUNTS:** Prices shown are NET Prices; Basic Discounts have been deducted.

- a. Prompt Payment: 0% - 30 days from receipt of invoice or date of acceptance, whichever is later.
b. Quantity: None
c. Dollar Volume: None
d. Government Educational Institutions are offered the same discount as all other Government customers

8. **TRADE AGREEMENTS ACT OF 1979, as amended**

All items are U.S. made end products, designated country end products, Caribbean Basin country end products, Canadian end products, or Mexican end products as defined in the Trade Agreements Act of 1979, as amended.

9. **STATEMENT CONCERNING AVAILABILITY OF EXPORT PACKING**

10. **SMALL REQUIREMENTS:** The minimum dollar value of orders to be issued is \$100.

11. **MAXIMUM ORDER (All dollar amounts are exclusive of any discount for prompt payment.)**

- a. The Maximum Order value for the following Special Item Numbers (SINs) is \$500,000:
- Special Item Number 132-8 - Purchase of Equipment
 - Special Item Number 132-12 – Maintenance of Equipment, Repair Service, and Repair Parts/Spare Parts
 - Special Item Number 132-33 - Perpetual Software Licenses
 - Special Item Number 132-34 – Maintenance of Software
- b. The Maximum Order value for the following Special Item Number (SIN) is \$25,000:
Special Item Number 132-50 - Training Courses

12. **ORDERING PROCEDURES FOR FEDERAL SUPPLY SCHEDULE CONTRACTS**

Ordering activities shall use the ordering procedures of Federal Acquisition Regulation (FAR) 8.405 when placing an order or establishing a BPA for supplies or services. These procedures apply to all schedules.

- a. FAR 8.405-1 Ordering procedures for supplies, and services not requiring a statement of work.
b. FAR 8.405-2 Ordering procedures for services requiring a statement of work.

13. FEDERAL INFORMATION TECHNOLOGY/TELECOMMUNICATION STANDARDS REQUIREMENTS

Ordering activities acquiring products from this Schedule must comply with the provisions of the Federal Standards Program, as appropriate (reference: NIST Federal Standards Index). Inquiries to determine whether or not specific products listed herein comply with Federal Information Processing Standards (FIPS) or Federal Telecommunication Standards (FED-STDS), which are cited by ordering activities, shall be responded to promptly by the Contractor.

13.1 FEDERAL INFORMATION PROCESSING STANDARDS PUBLICATIONS (FIPS PUBS)

Information Technology products under this Schedule that do not conform to Federal Information Processing Standards (FIPS) should not be acquired unless a waiver has been granted in accordance with the applicable "FIPS Publication." Federal Information Processing Standards Publications (FIPS PUBS) are issued by the U.S. Department of Commerce, National Institute of Standards and Technology (NIST), pursuant to National Security Act. Information concerning their availability and applicability should be obtained from the National Technical Information Service (NTIS), 5285 Port Royal Road, Springfield, Virginia 22161. FIPS PUBS include voluntary standards when these are adopted for Federal use. Individual orders for FIPS PUBS should be referred to the NTIS Sales Office, and orders for subscription service should be referred to the NTIS Subscription Officer, both at the above address, or telephone number (703) 487-4650.

13.2 FEDERAL TELECOMMUNICATION STANDARDS (FED-STDS)

Telecommunication products under this Schedule that do not conform to Federal Telecommunication Standards (FED-STDS) should not be acquired unless a waiver has been granted in accordance with the applicable "FED-STD." Federal Telecommunication Standards are issued by the U.S. Department of Commerce, National Institute of Standards and Technology (NIST), pursuant to National Security Act. Ordering information and information concerning the availability of FED-STDS should be obtained from the GSA, Federal Acquisition Service, Specification Section, 470 East L'Enfant Plaza, Suite 8100, SW, Washington, DC 20407, telephone number (202)619-8925. Please include a self-addressed mailing label when requesting information by mail. Information concerning their applicability can be obtained by writing or calling the U.S. Department of Commerce, National Institute of Standards and Technology, Gaithersburg, MD 20899, telephone number (301)975-2833.

14. CONTRACTOR TASKS / SPECIAL REQUIREMENTS (C-FSS-370) (NOV 2001)

- (a) Security Clearances: The Contractor may be required to obtain/possess varying levels of security clearances in the performance of orders issued under this contract. All costs associated with obtaining/possessing such security clearances should be factored into the price offered under the Multiple Award Schedule.
- (b) Travel: The Contractor may be required to travel in performance of orders issued under this contract. Allowable travel and per diem charges are governed by Pub .L. 99-234 and FAR Part 31, and are reimbursable by the ordering agency or can be priced as a fixed price item on orders placed under the Multiple Award Schedule. The Industrial Funding Fee does NOT apply to travel and per diem charges. NOTE: Refer to FAR Part 31.205-46 Travel Costs, for allowable costs that pertain to official company business travel in regards to this contract.
- (c) Certifications, Licenses and Accreditations: As a commercial practice, the Contractor may be required to obtain/possess any variety of certifications, licenses and accreditations for specific FSC/service code classifications offered. All costs associated with obtaining/ possessing such certifications, licenses and accreditations should be factored into the price offered under the Multiple Award Schedule program.
- (d) Insurance: As a commercial practice, the Contractor may be required to obtain/possess insurance coverage for specific FSC/service code classifications offered. All costs associated with obtaining/possessing such insurance should be factored into the price offered under the Multiple Award Schedule program.
- (e) Personnel: The Contractor may be required to provide key personnel, resumes or skill category descriptions in the performance of orders issued under this contract. Ordering activities may require agency approval of additions or replacements to key personnel.

- (f) Organizational Conflicts of Interest: Where there may be an organizational conflict of interest as determined by the ordering agency, the Contractor's participation in such order may be restricted in accordance with FAR Part 9.5.
- (g) Documentation/Standards: The Contractor may be requested to provide products or services in accordance with rules, regulations, OMB orders, standards and documentation as specified by the agency's order.
- (h) Data/Deliverable Requirements: Any required data/deliverables at the ordering level will be as specified or negotiated in the agency's order.
- (i) Government-Furnished Property: As specified by the agency's order, the Government may provide property, equipment, materials or resources as necessary.
- (j) Availability of Funds: Many Government agencies' operating funds are appropriated for a specific fiscal year. Funds may not be presently available for any orders placed under the contract or any option year. The Government's obligation on orders placed under this contract is contingent upon the availability of appropriated funds from which payment for ordering purposes can be made. No legal liability on the part of the Government for any payment may arise until funds are available to the ordering Contracting Officer.
- (k) Overtime: For professional services, the labor rates in the Schedule should not vary by virtue of the Contractor having worked overtime. For services applicable to the Service Contract Act (as identified in the Schedule), the labor rates in the Schedule will vary as governed by labor laws (usually assessed a time and a half of the labor rate).

15. CONTRACT ADMINISTRATION FOR ORDERING ACTIVITIES

Any ordering activity, with respect to any one or more delivery orders placed by it under this contract, may exercise the same rights of termination as might the GSA Contracting Officer under provisions of FAR 52.212-4, paragraphs (l) Termination for the ordering activity's convenience, and (m) Termination for Cause (See C.1.)

16. GSA ADVANTAGE!

GSA Advantage! is an on-line, interactive electronic information and ordering system that provides on-line access to vendors' schedule prices with ordering information. GSA Advantage! will allow the user to perform various searches across all contracts including, but not limited to:

- (1) Manufacturer;
- (2) Manufacturer's Part Number; and
- (3) Product categories.

Agencies can browse GSA Advantage! by accessing the Internet World Wide Web utilizing a browser (ex.: NetScape). The Internet address is <http://www.gsa.gov/fas>.

17. PURCHASE OF OPEN MARKET ITEMS

NOTE: Open Market Items are also known as incidental items, noncontract items, non-Schedule items, and items not on a Federal Supply Schedule contract. ODCs (Other Direct Costs) are not part of this contract and should be treated as open market purchases. Ordering Activities procuring open market items must follow FAR 8.402(f). For administrative convenience, an ordering activity contracting officer may add items not on the Federal Supply Multiple Award Schedule (MAS) -- referred to as open market items -- to a Federal Supply Schedule blanket purchase agreement (BPA) or an individual task or delivery order, **only if-**

- (1) All applicable acquisition regulations pertaining to the purchase of the items not on the Federal Supply Schedule have been followed (e.g., publicizing (Part 5), competition requirements (Part 6), acquisition of commercial items (Part 12), contracting methods (Parts 13, 14, and 15), and small business programs (Part 19));
- (2) The ordering activity contracting officer has determined the price for the items not on the Federal Supply Schedule is fair and reasonable;
- (3) The items are clearly labeled on the order as items not on the Federal Supply Schedule; and
- (4) All clauses applicable to items not on the Federal Supply Schedule are included in the order.

18. CONTRACTOR COMMITMENTS, WARRANTIES AND REPRESENTATIONS

- a. For the purpose of this contract, commitments, warranties and representations include, in addition to those agreed to for the entire schedule contract:
 - (1) Time of delivery/installation quotations for individual orders;
 - (2) Technical representations and/or warranties of products concerning performance, total system performance and/or configuration, physical, design and/or functional characteristics and capabilities of a product/equipment/ service/software package submitted in response to requirements which result in orders under this schedule contract.
 - (3) Any representations and/or warranties concerning the products made in any literature, description, drawings and/or specifications furnished by the Contractor.
- b. The above is not intended to encompass items not currently covered by the GSA Schedule contract.

19. OVERSEAS ACTIVITIES

The terms and conditions of this contract shall apply to all orders for installation, maintenance and repair of equipment in areas listed in the pricelist outside the 48 contiguous states and the District of Columbia, except as indicated below:

None

Upon request of the Contractor, the ordering activity may provide the Contractor with logistics support, as available, in accordance with all applicable ordering activity regulations. Such ordering activity support will be provided on a reimbursable basis, and will only be provided to the Contractor's technical personnel whose services are exclusively required for the fulfillment of the terms and conditions of this contract.

20. BLANKET PURCHASE AGREEMENTS (BPAs)

The use of BPAs under any schedule contract to fill repetitive needs for supplies or services is allowable. BPAs may be established with one or more schedule contractors. The number of BPAs to be established is within the discretion of the ordering activity establishing the BPA and should be based on a strategy that is expected to maximize the effectiveness of the BPA(s). Ordering activities shall follow FAR 8.405-3 when creating and implementing BPA(s).

21. CONTRACTOR TEAM ARRANGEMENTS

Contractors participating in contractor team arrangements must abide by all terms and conditions of their respective contracts. This includes compliance with Clauses 552.238-74, Industrial Funding Fee and Sales Reporting, i.e., each contractor (team member) must report sales and remit the IFF for all products and services provided under its individual contract.

22. INSTALLATION, DEINSTALLATION, REINSTALLATION

The Davis-Bacon Act (40 U.S.C. 276a-276a-7) provides that contracts in excess of \$2,000 to which the United States or the District of Columbia is a party for construction, alteration, or repair (including painting and decorating) of public buildings or public works with the United States, shall contain a clause that no laborer or mechanic employed directly upon the site of the work shall received less than the prevailing wage rates as determined by the Secretary of Labor. The requirements of the Davis-Bacon Act do not apply if the construction work is incidental to the furnishing of supplies, equipment, or services. For example, the requirements do not apply to simple installation or alteration of a public building or public work that is incidental to furnishing supplies or equipment under a supply contract. However, if the construction, alteration or repair is segregable and exceeds \$2,000, then the requirements of the Davis-Bacon Act applies.

The ordering activity issuing the task order against this contract will be responsible for proper administration and enforcement of the Federal labor standards covered by the Davis-Bacon Act. The proper Davis-Bacon wage determination will be issued by the ordering activity at the time a request for quotations is made for applicable construction classified installation, deinstallation, and reinstallation services under SIN 132-8.

23. SECTION 508 COMPLIANCE

If applicable, Section 508 compliance information on the supplies and services in this contract are available in Electronic and Information Technology (EIT) at the following: Not Applicable
The EIT standard can be found at: www.Section508.gov/.

24. PRIME CONTRACTOR ORDERING FROM FEDERAL SUPPLY SCHEDULES

Prime Contractors (on cost reimbursement contracts) placing orders under Federal Supply Schedules, on behalf of an ordering activity, shall follow the terms of the applicable schedule and authorization and include with each order –

- (a) A copy of the authorization from the ordering activity with whom the contractor has the prime contract (unless a copy was previously furnished to the Federal Supply Schedule contractor); and
- (b) The following statement:
This order is placed under written authorization from _____ dated _____. In the event of any inconsistency between the terms and conditions of this order and those of your Federal Supply Schedule contract, the latter will govern.

25. INSURANCE—WORK ON A GOVERNMENT INSTALLATION (JAN 1997)(FAR 52.228-5)

- (a) The Contractor shall, at its own expense, provide and maintain during the entire performance of this contract, at least the kinds and minimum amounts of insurance required in the Schedule or elsewhere in the contract.
- (b) Before commencing work under this contract, the Contractor shall notify the Contracting Officer in writing that the required insurance has been obtained. The policies evidencing required insurance shall contain an endorsement to the effect that any cancellation or any material change adversely affecting the Government's interest shall not be effective—
 - (1) For such period as the laws of the State in which this contract is to be performed prescribe; or
 - (2) Until 30 days after the insurer or the Contractor gives written notice to the Contracting Officer, whichever period is longer.
- (c) The Contractor shall insert the substance of this clause, including this paragraph (c), in subcontracts under this contract that require work on a Government installation and shall require subcontractors to provide and maintain the insurance required in the Schedule or elsewhere in the contract. The Contractor shall maintain a copy of all subcontractors' proofs of required insurance, and shall make copies available to the Contracting Officer upon request.

26. SOFTWARE INTEROPERABILITY

Offerors are encouraged to identify within their software items any component interfaces that support open standard interoperability. An item's interface may be identified as interoperable on the basis of participation in a Government agency-sponsored program or in an independent organization program. Interfaces may be identified by reference to an interface registered in the component registry located at <http://www.core.gov>.

27. ADVANCE PAYMENTS

A payment under this contract to provide a service or deliver an article for the United States Government may not be more than the value of the service already provided or the article already delivered. Advance or pre-payment is not authorized or allowed under this contract. (31 U.S.C. 3324)

**TERMS AND CONDITIONS APPLICABLE TO PURCHASE OF
GENERAL PURPOSE COMMERCIAL INFORMATION TECHNOLOGY EQUIPMENT
(SPECIAL ITEM NUMBER 132-8)**

1. MATERIAL AND WORKMANSHIP

All equipment furnished hereunder must satisfactorily perform the function for which it is intended.

2. ORDER

Written orders, EDI orders (GSA Advantage! and FACNET), credit card orders, and orders placed under blanket purchase agreements (BPA) agreements shall be the basis for purchase in accordance with the provisions of this contract. If time of delivery extends beyond the expiration date of the contract, the Contractor will be obligated to meet the delivery and installation date specified in the original order.

For credit card orders and BPAs, telephone orders are permissible.

3. TRANSPORTATION OF EQUIPMENT

FOB DESTINATION. Prices cover equipment delivery to destination, for any location within the geographic scope of this contract.

4. INSTALLATION AND TECHNICAL SERVICES

a. **INSTALLATION.** When the equipment provided under this contract is not normally self-installable, the Contractor's technical personnel shall be available to the ordering activity, at the ordering activity's location, to install the equipment and to train ordering activity personnel in the use and maintenance of the equipment. The charges, if any, for such services are listed below, or in the price schedule:
Products are self-installable after completion of applicable training or with prior experience.

b. **INSTALLATION, DEINSTALLATION, REINSTALLATION.** The Davis-Bacon Act (40 U.S.C. 276a-7) provides that contracts in excess of \$2,000 to which the United States or the District of Columbia is a party for construction, alteration, or repair (including painting and decorating) of public buildings or public works with the United States, shall contain a clause that no laborer or mechanic employed directly upon the site of the work shall received less than the prevailing wage rates as determined by the Secretary of Labor. The requirements of the Davis-Bacon Act do not apply if the construction work is incidental to the furnishing of supplies, equipment, or services. For example, the requirements do not apply to simple installation or alteration of a public building or public work that is incidental to furnishing supplies or equipment under a supply contract. However, if the construction, alteration or repair is segregable and exceeds \$2,000, then the requirements of the Davis-Bacon Act applies. The ordering activity issuing the task order against this contract will be responsible for proper administration and enforcement of the Federal labor standards covered by the Davis-Bacon Act. The proper Davis-Bacon wage determination will be issued by the ordering activity at the time a request for quotations is made for applicable construction classified installation, deinstallation, and reinstallation services under SIN 132-8.

c. **OPERATING AND MAINTENANCE MANUALS.** The Contractor shall furnish the ordering activity with one (1) copy of all operating and maintenance manuals which are normally provided with the equipment being purchased.

5. INSPECTION/ACCEPTANCE

The Contractor shall only tender for acceptance those items that conform to the requirements of this contract. The ordering activity reserves the right to inspect or test any equipment that has been tendered for acceptance. The ordering activity may require repair or replacement of nonconforming equipment at no increase in contract price. The ordering activity must exercise its postacceptance rights (1) within a reasonable time after the defect was discovered or should have been discovered; and (2) before any substantial change occurs in the condition of the item, unless the change is due to the defect in the item.

6. WARRANTY

- a. Unless specified otherwise in this contract, the Contractor's standard commercial warranty as stated in the contract's commercial pricelist will apply to this contract.
- b. The Contractor warrants and implies that the items delivered hereunder are merchantable and fit for use for the particular purpose described in this contract.
- c. Limitation of Liability. Except as otherwise provided by an express or implied warranty, the Contractor will not be liable to the ordering activity for consequential damages resulting from any defect or deficiencies in accepted items.
- d. If inspection and repair of defective equipment under this warranty will be performed at the Contractor's plant, the address is as follows: Aviat U.S., Inc.
5727 Farinon Drive
San Antonio, TX 78249

7. PURCHASE PRICE FOR ORDERED EQUIPMENT

The purchase price that the ordering activity will be charged will be the ordering activity purchase price in effect at the time of order placement, or the ordering activity purchase price in effect on the installation date (or delivery date when installation is not applicable), whichever is less.

8. RESPONSIBILITIES OF THE CONTRACTOR

The Contractor shall comply with all laws, ordinances, and regulations (Federal, State, City or otherwise) covering work of this character, and shall include all costs, if any, of such compliance in the prices quoted in this offer.

9. TRADE-IN OF INFORMATION TECHNOLOGY EQUIPMENT

When an ordering activity determines that Information Technology equipment will be replaced, the ordering activity shall follow the contracting policies and procedures in the Federal Acquisition Regulation (FAR), the policies and procedures regarding disposition of information technology excess personal property in the Federal Property Management Regulations (FPMR) (41 CFR 101-43.6), and the policies and procedures on exchange/sale contained in the FPMR (41 CFR part 101-46).

TERMS AND CONDITIONS APPLICABLE TO MAINTENANCE, REPAIR SERVICE AND REPAIR PARTS/SPARE PARTS FOR GOVERNMENT-OWNED GENERAL PURPOSE COMMERCIAL INFORMATION TECHNOLOGY EQUIPMENT (AFTER EXPIRATION OF GUARANTEE/WARRANTY PROVISIONS AND/OR WHEN REQUIRED SERVICE IS NOT COVERED BY GUARANTEE/WARRANTY PROVISIONS) (SPECIAL ITEM NUMBER 132-12)

1. SERVICE AREAS

Repair services will be performed at the Contractor's plant listed below:

Aviat U.S., Inc.
5727 Farinon Drive
San Antonio, TX 78249

2. MAINTENANCE ORDER

- a. Agencies may use written orders, EDI orders, credit card orders, or BPAs, for ordering maintenance under this contract. The Contractor shall confirm orders within fifteen (15) calendar days from the date of receipt, except that confirmation of orders shall be considered automatic for renewals for maintenance (Special Item Number 132-12). Automatic acceptance of order renewals for maintenance service shall apply for machines which may have been discontinued from use for temporary periods of time not longer than 120 calendar days. If the order is not confirmed by the Contractor as prescribed by this paragraph, the order shall be considered to be confirmed by the Contractor.
- b. The Contractor shall honor orders for maintenance for the duration of the contract period or a lesser period of time, for the equipment shown in the pricelist. Maintenance service shall commence on a mutually agreed upon date, which will be written into the maintenance order. Maintenance orders shall not be made effective before the expiration of any applicable maintenance and parts guarantee/warranty period associated with the purchase of equipment. Orders for maintenance service shall not extend beyond the end of the contract period.
- c. Maintenance may be discontinued by the ordering activity on thirty (30) calendar days written notice, or shorter notice when agreed to by the Contractor; such notice to become effective thirty (30) calendar days from the date on the notification. However, the ordering activity may extend the original discontinuance date upon written notice to the Contractor, provided that such notice is furnished at least ten (10) calendar days prior to the original discontinuance date.
- d. Annual Funding. When annually appropriated funds are cited on a maintenance order, the period of maintenance shall automatically expire on September 30th of the contract period, or at the end of the contract period, whichever occurs first. Renewal of a maintenance order citing the new appropriation shall be required, if maintenance is to continue during any remainder of the contract period.
- e. Cross-year Funding Within Contract Period. Where an ordering activity's specific appropriation authority provides for funds in excess of a 12 month, fiscal year period, the ordering activity may place an order under this schedule contract for a period up to the expiration of the contract period, notwithstanding the intervening fiscal years.
- f. Ordering activities should notify the Contractor in writing thirty (30) calendar days prior to the expiration of maintenance service, if maintenance is to be terminated at that time. Orders for continued maintenance will be required if maintenance is to be continued during the subsequent period.

3. LOSS OR DAMAGE

When the Contractor removes equipment to his establishment for repairs, the Contractor shall be responsible for any damage or loss, from the time the equipment is removed from the ordering activity installation, until the equipment is returned to such installation.

4. SCOPE

- a. The Contractor shall provide maintenance for all equipment listed herein, as requested by the ordering activity during the contract term.
- b. Equipment placed under maintenance service shall be in good operating condition.
 - (1) In order to determine that the equipment is in good operating condition, the equipment shall be subject to inspection by the Contractor, without charge to the ordering activity.
 - (2) Costs of any repairs performed for the purpose of placing the equipment in good operating condition shall be borne by the Contractor, if the equipment was under the Contractor's guarantee/warranty or maintenance responsibility prior to the effective date of the maintenance order.
 - (3) If the equipment was not under the Contractor's responsibility, the costs necessary to place the equipment in proper operating condition are to be borne by the ordering activity, in accordance with the provisions of Special Item Number 132-12 (or outside the scope of this contract).

5. RESPONSIBILITIES OF THE ORDERING ACTIVITY

- a. Ordering activity personnel shall not perform maintenance or attempt repairs to equipment while such equipment is under the purview of a maintenance order, unless agreed to by the Contractor.
- b. Subject to security regulations, the ordering activity shall permit access to the equipment which is to be maintained or repaired.

6. MAINTENANCE RATE PROVISIONS

The Contractor shall bear all costs of maintenance, including labor, parts, and such other expenses as are necessary to keep the equipment in good operating condition, provided that the required repairs are not occasioned by fault or negligence of the ordering activity.

7. REPAIR PARTS/SPARE PARTS RATE PROVISIONS

All parts, furnished as spares or as repair parts in connection with the repair of equipment, unless otherwise indicated in this pricelist, shall be new, standard parts manufactured by the equipment manufacturer. All parts shall be furnished at prices indicated in the Contractor's then current commercial pricelist at a discount of 0% from such listed prices.

8. GUARANTEE/WARRANTY—REPAIR PARTS/SPARE PARTS

- a. REPAIR PARTS/SPARE PARTS
All parts, furnished either as spares or repairs parts will be guaranteed/warranted for a period of 2 years.

9. INVOICES AND PAYMENTS

- a. Maintenance Service
 - 1) Invoices for maintenance service shall be submitted by the Contractor on a quarterly or monthly basis, after the completion of such period. Maintenance charges must be paid in arrears (31 U.S.C. 3324). PROMPT PAYMENT DISCOUNT, IF APPLICABLE, SHALL BE SHOWN ON THE INVOICE.
 - 2) Payment for maintenance service of less than one month's duration shall be prorated at 1/30th of the monthly rate for each calendar day.

TERMS AND CONDITIONS APPLICABLE TO PERPETUAL SOFTWARE LICENSES (SPECIAL ITEM NUMBER 132-33) AND MAINTENANCE (SPECIAL ITEM NUMBER 132-34) OF GENERAL PURPOSE COMMERCIAL INFORMATION TECHNOLOGY SOFTWARE

1. INSPECTION/ACCEPTANCE

The Contractor shall only tender for acceptance those items that conform to the requirements of this contract. The ordering activity reserves the right to inspect or test any software that has been tendered for acceptance. The ordering activity may require repair or replacement of nonconforming software at no increase in contract price. The ordering activity must exercise its post acceptance rights (1) within a reasonable time after the defect was discovered or should have been discovered; and (2) before any substantial change occurs in the condition of the software, unless the change is due to the defect in the software.

2. GUARANTEE/WARRANTY

- a. Unless specified otherwise in this contract, the Contractor's standard commercial guarantee/warranty as stated in the contract's commercial pricelist will apply to this contract.
- b. The Contractor warrants and implies that the items delivered hereunder are merchantable and fit for use for the particular purpose described in this contract.
- c. Limitation of Liability. Except as otherwise provided by an express or implied warranty, the Contractor will not be liable to the ordering activity for consequential damages resulting from any defect or deficiencies in accepted items.

3. TECHNICAL SERVICES

The Contractor, without additional charge to the ordering activity, shall provide a hot line technical support number **800-227-8332** for the purpose of providing user assistance and guidance in the implementation of the software. The technical support number is available 24hrs a day.

4. SOFTWARE MAINTENANCE

- a. Software maintenance as it is defined: (select software maintenance type) :

1. Software Maintenance as a Product

Software maintenance as a product includes the publishing of bug/defect fixes via patches and updates/upgrades in function and technology to maintain the operability and usability of the software product. It may also include other no charge support that are included in the purchase price of the product in the commercial marketplace. No charge support includes items such as user blogs, discussion forums, on-line help libraries and FAQs (Frequently Asked Questions), hosted chat rooms, and limited telephone, email and/or web-based general technical support for user's self diagnostics.

Software maintenance as a product does NOT include the creation, design, implementation, integration, etc. of a software package. These examples are considered software maintenance as a service.

2. Software Maintenance as a Service

Software maintenance as a service creates, designs, implements, and/or integrates customized changes to software that solve one or more problems and is not included with the price of the software. Software maintenance as a service includes person-to-person communications regardless of the medium used to communicate: telephone support, on-line technical support, customized support, and/or technical expertise which are charged commercially. Software maintenance as a service is billed arrears in accordance with 31 U.S.C. 3324.

- b. Invoices for maintenance service shall be submitted by the Contractor on a quarterly or monthly basis, after the completion of such period. Maintenance charges must be paid in arrears (31 U.S.C. 3324). PROMPT PAYMENT DISCOUNT, IF APPLICABLE, SHALL BE SHOWN ON THE INVOICE.

5. PERIODS OF TERM MAINTENANCE (132-34)

- a. The Contractor shall honor orders for periods for the duration of the contract period or a lesser period of time.
- b. Maintenance may be discontinued by the ordering activity on thirty (30) calendar days written notice to the Contractor.
- c. Annual Funding. When annually appropriated funds are cited on an order for maintenance, the period of the maintenance shall automatically expire on September 30 of the contract period, or at the end of the contract period, whichever occurs first. Renewal of the maintenance orders citing the new appropriation shall be required, if the maintenance is to be continued during any remainder of the contract period.
- d. Cross-Year Funding Within Contract Period. Where an ordering activity's specific appropriation authority provides for funds in excess of a 12 month (fiscal year) period, the ordering activity may place an order under this schedule contract for a period up to the expiration of the contract period, notwithstanding the intervening fiscal years.
- e. Ordering activities should notify the Contractor in writing thirty (30) calendar days prior to the expiration of an order, if the maintenance is to be terminated at that time. Orders for the continuation of maintenance will be required if the maintenance is to be continued during the subsequent period.

6. UTILIZATION LIMITATIONS - (132-33, AND 132-34)

- a. Software acquisition is limited to commercial computer software defined in FAR Part 2.101.
- b. When acquired by the ordering activity, commercial computer software and related documentation so legend shall be subject to the following:
 - (1) Title to and ownership of the software and documentation shall remain with the Contractor, unless otherwise specified.
 - (2) Software licenses are by site and by ordering activity. An ordering activity is defined as a cabinet level or independent ordering activity. The software may be used by any subdivision of the ordering activity (service, bureau, division, command, etc.) that has access to the site the software is placed at, even if the subdivision did not participate in the acquisition of the software. Further, the software may be used on a sharing basis where multiple agencies have joint projects that can be satisfied by the use of the software placed at one ordering activity's site. This would allow other agencies access to one ordering activity's database. For ordering activity public domain databases, user agencies and third parties may use the computer program to enter, retrieve, analyze and present data. The user ordering activity will take appropriate action by instruction, agreement, or otherwise, to protect the Contractor's proprietary property with any third parties that are permitted access to the computer programs and documentation in connection with the user ordering activity's permitted use of the computer programs and documentation. For purposes of this section, all such permitted third parties shall be deemed agents of the user ordering activity.
 - (3) Except as is provided in paragraph 8.b(2) above, the ordering activity shall not provide or otherwise make available the software or documentation, or any portion thereof, in any form, to any third party without the prior written approval of the Contractor. Third parties do not include prime Contractors, subcontractors and agents of the ordering activity who have the ordering activity's permission to use the licensed software and documentation at the facility, and who have agreed to use the licensed software and documentation only in accordance with these restrictions. This provision does not limit the right of the ordering activity to use software, documentation, or information therein, which the ordering activity may already have or obtains without restrictions.

- (4) The ordering activity shall have the right to use the computer software and documentation with the computer for which it is acquired at any other facility to which that computer may be transferred, or in cases of disaster recovery, the ordering activity has the right to transfer the software to another site if the ordering activity site for which it is acquired is deemed to be unsafe for ordering activity personnel; to use the computer software and documentation with a backup computer when the primary computer is inoperative; to copy computer programs for safekeeping (archives) or backup purposes; to transfer a copy of the software to another site for purposes of benchmarking new hardware and/or software; and to modify the software and documentation or combine it with other software, provided that the unmodified portions shall remain subject to these restrictions.
- (5) "Commercial Computer Software" may be marked with the Contractor's standard commercial restricted rights legend, but the schedule contract and schedule pricelist, including this clause, "Utilization Limitations" are the only governing terms and conditions, and shall take precedence and supersede any different or additional terms and conditions included in the standard commercial legend.

7. SOFTWARE CONVERSIONS - (132-33)

Full monetary credit will be allowed to the ordering activity when conversion from one version of the software to another is made as the result of a change in operating system, or from one computer system to another. Under a perpetual license (132-33), the purchase price of the new software shall be reduced by the amount that was paid to purchase the earlier version.

8. DESCRIPTIONS AND EQUIPMENT COMPATIBILITY

The Contractor shall include, in the schedule pricelist, a complete description of each software product and a list of equipment on which the software can be used. Also, included shall be a brief, introductory explanation of the modules and documentation which are offered.

9. RIGHT-TO-COPY PRICING

The Contractor shall insert the discounted pricing for right-to-copy licenses.

**TERMS AND CONDITIONS APPLICABLE TO PURCHASE OF
TRAINING COURSES FOR GENERAL PURPOSE COMMERCIAL
INFORMATION TECHNOLOGY EQUIPMENT AND SOFTWARE
(SPECIAL ITEM NUMBER 132-50)**

1. SCOPE

- a. The Contractor shall provide training courses normally available to commercial customers, which will permit ordering activity users to make full, efficient use of general purpose commercial IT products. Training is restricted to training courses for those products within the scope of this solicitation.
- b. The Contractor shall provide training at the Contractor's facility and/or at the ordering activity's location, as agreed to by the Contractor and the ordering activity.

2. ORDER

Written orders, EDI orders (GSA Advantage! and FACNET), credit card orders, and orders placed under blanket purchase agreements (BPAs) shall be the basis for the purchase of training courses in accordance with the terms of this contract. Orders shall include the student's name, course title, course date and time, and contracted dollar amount of the course.

3. TIME OF DELIVERY

The Contractor shall conduct training on the date (time, day, month, and year) agreed to by the Contractor and the ordering activity.

4. CANCELLATION AND RESCHEDULING

- a. The ordering activity will notify the Contractor at least seventy-two (72) hours before the scheduled training date, if a student will be unable to attend. The Contractor will then permit the ordering activity to either cancel the order or reschedule the training at no additional charge. In the event the training class is rescheduled, the ordering activity will modify its original training order to specify the time and date of the rescheduled training class.
- b. In the event the ordering activity fails to cancel or reschedule a training course within the time frame specified in paragraph a, above, the ordering activity will be liable for the contracted dollar amount of the training course. The Contractor agrees to permit the ordering activity to reschedule a student who fails to attend a training class within ninety (90) days from the original course date, at no additional charge.
- c. The ordering activity reserves the right to substitute one student for another up to the first day of class.
- d. In the event the Contractor is unable to conduct training on the date agreed to by the Contractor and the ordering activity, the Contractor must notify the ordering activity at least seventy-two (72) hours before the scheduled training date.

5. FOLLOW-UP SUPPORT

The Contractor agrees to provide each student with unlimited telephone support for a period of one (1) year from the completion of the training course. During this period, the student may contact the Contractor's instructors for refresher assistance and answers to related course curriculum questions.

6. PRICE FOR TRAINING

The price that the ordering activity will be charged will be the ordering activity training price in effect at the time of order placement, or the ordering activity price in effect at the time the training course is conducted, whichever is less.

7. INVOICES AND PAYMENT

Invoices for training shall be submitted by the Contractor after ordering activity completion of the training course. Charges for training must be paid in arrears (31 U.S.C. 3324). PROMPT PAYMENT DISCOUNT, IF APPLICABLE, SHALL BE SHOWN ON THE INVOICE.

8. FORMAT AND CONTENT OF TRAINING

- a. The Contractor shall provide written materials (i.e., manuals, handbooks, texts, etc.) normally provided with course offerings. Such documentation will become the property of the student upon completion of the training class.
- b. For hands-on training courses, there must be a one-to-one assignment of IT equipment to students.
- c. The Contractor shall provide each student with a Certificate of Training at the completion of each training course.
- d. The Contractor shall provide the following information for each training course offered:
 - (1) The course title and a brief description of the course content, to include the course format (e.g., lecture, discussion, hands-on training);
 - (2) The length of the course;
 - (3) Mandatory and desirable prerequisites for student enrollment;
 - (4) The minimum and maximum number of students per class;
 - (5) The locations where the course is offered;
 - (6) Class schedules; and
 - (7) Price (per student, per class (if applicable)).
- e. For those courses conducted at the ordering activity's location, instructor travel charges (if applicable), including mileage and daily living expenses (e.g., per diem charges) are governed by Pub. L. 99-234 and FAR Part 31.205-46, and are reimbursable by the ordering activity on orders placed under the Multiple Award Schedule, as applicable, in effect on the date(s) the travel is performed. Contractors cannot use GSA city pair contracts. The Industrial Funding Fee does NOT apply to travel and per diem charges.

*Introduction to System Design for Microwave
Microwave Communication system course
TR-SD-01*

Course Specifics

Duration:	5 days
Class capacity:	12 students
Location(s) for pre-scheduled class:	N/A
Materials provided:	<ul style="list-style-type: none">▪ Instruction Manual (CD-ROM)▪ Student Guide

Prerequisite

- Basic Microwave principals and job experience

Objectives

At the end of this course, participants will be able to:

- Understand the different network elements which are incorporated in a microwave telecommunications system

Course Content

Day 1: Introduction and Design Guidelines

- General Introduction
Data rate & hierarchies
Transport choice
- Equipment Engineering
Planning topics
Design Parameters
Engineering design documentation
- Radio specification

Day 2: Digital Multiplexing

- Multiplexing concept
- FDM, TDM, PCM
- CEPT, SDH
- Radio capacities

Day 3: System Engineering

- Design Parameters
- System Layout
- E1 traffic plan
- System block diagram
- Block and level diagram
- Rack profile and DACS
- E1/T1 applications and Voice

Day 4: Protection Schemes and Digital Principals

- Definitions
- Relative Effectiveness
- Diversity arrangements
- Ring Protection
- Errorless switching
- Network Management
- Antenna and Transmission line S.D.

Day 5: Power system and Antenna- Transmission SD overview

- Battery / Charger/ Grounding
 - Data Application
-

*Introduction to Transmission Engineering
Microwave Communication system course
TR-TE-01*

Course Specifics

Duration:	5 days
Class capacity:	12 students
Location(s) for pre-scheduled class:	N/A
Materials provided:	<ul style="list-style-type: none">▪ Instruction Manual (CD-ROM)▪ Student Guide

Prerequisite

- Product Course
- Basic Microwave principals

Objectives

At the end of this course, participants will be able to:

- Understand and apply the basic principles of RF propagation
- Understand its applications as applied to basic link engineering.

Course Content

Day 1: Introduction and General Considerations

- Purpose of transmission engineering
- Typical microwave link
- Vocabulary
- Design process flowchart
- Network topologies
- Link design
- Radio Configuration
- Typical design applications
- Microwave repeaters
- Antenna Types
- Transmission lines
- Antenna coupling units

Day 2: Path Analysis and Design

- Total loss parameters
- Total gain parameters
- Protection schemes
- Diversity improvement factors
- Objectives and calculations
- Multipath outage
- Vigants and ITU-R
- Climate and terrain factors
- Multipath SES outage time

Day 3: Software Design tools

- Starlink
- Magic
- Path loss
- Sample Calculations

Day 4: Microwave Propagation

- Electromagnetic field
- Free space equation
- Atmospheric effects
- Terrain effects
- Path clearance criteria
- Path profiles
- Fade mechanisms

Day 5: Interference Analysis

- Frequency Interference
- Frequency Planning
- Interference case workshop

Transmission Engineering
Microwave Communication system course
TR-TE-02

Course Specifics

Duration:	5 days
Class capacity:	12 students
Location(s) for pre-scheduled class:	N/A
Materials provided:	<ul style="list-style-type: none">▪ Instruction Manual (CD-ROM)▪ Student Guide

Prerequisite

- TR-SD-01 and TR-TE-01 course
- Basic Microwave principals and job experience

Objectives

At the end of this course, participants will be able to:

- Analyze path profiles from topographic data
- Design simple paths as per industry standards
- Prepare a frequency plan.

Course Content

Day 1: Introduction and Design Guidelines

- Purpose of transmission engineering
- Typical microwave link
- Vocabulary
- Design process flowchart
- ITU standards
- Availability
- Performance
- Protection and Diversity
- Ring Protection

Day 2: Calculations and Objectives

- Multipath probability
- Vigants models
- ITU-R rep. 338-6 model
- ITU-R rep. PN 530-6
- Diversity improvements factors
- Path calculations sheets

Day 3: Software Design tools

- Starlink
- Magic
- Path loss
- Sample Calculations

Day 4: Microwave Propagation

- Electromagnetic field
- Free space equation
- Atmospheric effects
- Terrain effects
- Path clearance criteria
- Path profiles
- Fade mechanisms

Day 5: Interference Analysis

- Frequency Interference
- Frequency Planning

Aurora™ Spread Spectrum Radio
Maintenance and Operation Course
TR-AUR-01

Course Specifics

- | | |
|--------------------------------------|---|
| Duration: | 1 day |
| Class capacity: | 12 students |
| Location(s) for pre-scheduled class: | N/A |
| Materials provided: | <ul style="list-style-type: none">▪ Instruction Manual (CD-ROM)▪ Student Guide |

Prerequisite

- Basic digital
- Digital communications formats

Objectives

- At the end of this course, participants will be able to:
- Install, provision, operate and maintain the Aurora radio
 - Troubleshooting functions in order to maintain the initial level of reliability.

Course Content

Day 1: Theory of Operations and Lab

- Spread spectrum
 - Frequency & channel plan
 - Application
 - Regulatory compliance
 - Standard features
 - Technical specifications
 - Description of radio
 - Modem
 - Power amplifier
 - Diplexer
 - TX line selection
 - Interconnections
 - Maintenance lab
 - Troubleshooting Lab
 - Hands-on
-

MicroStar® Family
Maintenance and Operation Course
TR-MIC- 01

Course Specifics

- Duration: 3 days
Class capacity: 12 students
Location(s) for pre-scheduled class:
 - Montreal, Canada
 - San Antonio, TexasMaterials provided:
 - Instruction Manual (CD-ROM)
 - Student Guide

Prerequisite

- Basic digital Knowledge
- Basic Modulation Knowledge
- Digital Communications formats

Objectives

At the end of this course, participants will be able to:

- To provide the skills and knowledge required performing installation, provisioning, operation and maintenance of the MicroStar Family radio.
- Troubleshooting" techniques will be discussed in order to maintain the initial of reliability.

Course Content

Day 1: Overview and Theory

- Description
- Interfaces
- Features
- System Lay Out
- Configurations
- Signal Processing Section
Lay Out
Description
Signal Flow
- Radio frequency section
Lay Out
Description
Signal Flow

Day 2: Installation and Commissioning

- General Information
- Preparation
- Installation
- Configuration
- Commissioning
-

Day 3: Maintenance

- Maintenance Lab
 - Trouble clearing Lab
 - Operation discussion
 - Operational Lab
 - Troubleshooting
 - Troubleshooting lab
-

MicroStar® M & H
Maintenance and Operation Course
TR-MIC- 04

Course Specifics

- Duration: 2 days
Class capacity: 12 students
Location(s) for pre-scheduled class:
 - San Antonio, Texas
 - Montreal, CanadaMaterials provided:
 - Instruction Manual (CD-ROM)
 - Student Guide

Prerequisite

- Basic Telecommunications background

Objectives

At the end of this course, participants will be able to:

- To provide the skills and knowledge required performing installation, provisioning, operation and maintenance of the MicroStar M & H radio.
- Troubleshooting techniques will be discussed in order to maintain the initial of reliability.

*Course Content***Day 1: Introduction and Operations**

- Basic Digital
- Basic Microwave
- Theory of Operations
- IDU and ODU
- Orderwire Unit

Day 2: Installation and Troubleshooting

- Analog to Digital conversion
 - Multiplex format
 - Inter-connectivity
 - Installation
 - Alarm Synopsis
 - System Alignment
 - Hands on Troubleshooting lab
-

Constellation™
Maintenance and Operation Course
TR-CON-01

Course Specifics

- Duration: 4 days
Class capacity: 12 students
Location(s) for pre-scheduled class:
 - San Antonio, TexasMaterials provided:
 - Instruction manual (CD-ROM)
 - Student guide
 - Quick reference card

Prerequisite

- Basic digital knowledge
 - Basic modulation knowledge
 - Digital communications formats
 - Basic SONET/SDH
-

Objectives

At the end of this course, participants will be able to:

- To provide the skills and knowledge required performing installation, provisioning, operation and maintenance of the Constellation radio.
- Troubleshooting techniques will be discussed in order to maintain the initial of reliability.

Course Content

Day 1: Overview

- Description
- Interfaces
- Features
- System Lay Out
- Configurations

Day 2: Theory of Operation

- Signal Processing Section
Lay out
Description
Signal Flow
- Radio frequency section
Lay out
Description
Signal Flow

Day 3: Installation and Commissioning

- General Information
- Preparation
- Installation
- Configuration
- Commissioning

Day 4: Maintenance

- Maintenance lab
- Trouble clearing lab
- Operation discussion
- Operational lab
- Troubleshooting discussion
- Troubleshooting lab

MegaStar® 155 SONET/SDH (1+1 & M: N)
Maintenance and Operation Course
TR-MEG-02

Course Specifics

Duration:	4 days
Class capacity:	12 students
Location(s) for pre-scheduled class:	<ul style="list-style-type: none">▪ San Antonio, Texas
Materials provided:	<ul style="list-style-type: none">▪ Instruction Manual (CD-ROM)▪ Student Guide

Prerequisite

- Basic digital microwave knowledge
- Basic modulation knowledge
- Basic Multiplexer Knowledge
- Basic SONET/SHD knowledge
- Basic FarScan for Windows®

Objectives

At the end of this course, participants will be able to:

- To provide the skills and knowledge required to perform installation, provisioning, operation and maintenance of the MegaStar SONET / SDH radio to minimize downtime
- Learn to use the proper equipment handling procedures
- Troubleshooting techniques will be discussed in order to maintain the initial of reliability.

Course Content

Day 1: Overview & Theory of Operation

- Introduction
- Capacity
- Advantages
- Features
- System Configuration
- Theory of Operation

Day 2: Units Description

- Signal Processing Unit Configurations
- Radio Frequency Unit Configurations
- Individual Field Replaceable Units
- Lay Out
- Description
- Signal Flow
- FarScan Manual Commands

Day 3: Installation & Commissioning

- General Information
- Preparation
- Installation
- Configuration
- Commissioning

Day 4: Maintenance

- Maintenance lab
- Trouble clearing lab
- Operation discussion
- Operational lab
- Troubleshooting discussion
- Troubleshooting lab

FarScan™ for Windows
Maintenance and Operation Course
TR-FAR-01

Course Specifics

- Duration: 3 days
- Class capacity: 8
- Location(s) for pre-scheduled class:
 - San Antonio, Texas
 - Montreal, Canada
- Materials provided:
 - Instruction Manual (dc-room)
 - Student Guide

Prerequisite

- Digital Communications (RS232/V.28, RS422/V.11, RS485)
- Communication Networking
- Basic Microsoft Windows Operation
- Basic Personal Computer Operation

Objectives

At the end of this course, participants will be able to:

- To provide the skills and knowledge required performing installation, provisioning, operation and maintenance of the FarScan for Windows supervisory system.

*Course Content***Day 1: Introduction**

- Basic Supervisory Background
- Microwave communications publications review
- Basic Supervisory Background
- Mode of Communication
- Master and Remote interaction
- Overview
- Functions
- Utilities
- Hardware Requirements
- Operation
- Getting Started
- Set-up

Day 2: Installation and Operation

- Hardware Installation
- Software Installation
- Utilities
- Operation
- Getting Started
- Options
- Set-up
- Auto poll
- Select poll
- Polling Intervals
- Manual Commands
- Log Files
- Other operations

Day 3: Troubleshooting and Lab

- Troubleshooting discussion
- Troubleshooting Lab

StarView™
System Operator Course
TR-STV-01

Course Specifics

Duration:	3 days
Class capacity:	8 students
Location(s) for pre-scheduled class:	<ul style="list-style-type: none">▪ Montreal, Canada▪ San Antonio, Texas
Materials provided:	<ul style="list-style-type: none">▪ Instruction Manual (CD-ROM)▪ Student Guide

Prerequisite

- Computer in an NT environment
- LAN/ WAN good knowledge
- Radio equipment to be monitored

Objectives

At the end of this course, participants will be able to:

- Operate the Starview Network management system

Course Content

Day 1: Introduction to Starview

- Starview Environment
 - Software components
 - Options
 - Mode of communications
 - Basic Components
- StarView architecture
 - Process Description
 - Files Location
 - Database
- StarView User interface
 - Graphical User interface
 - Web Interface

Day 2: Network

- Maps and Sub maps
 - Navigation
 - Network presenter
- Objects and Symbols
 - Status Types
 - Symbol behavior
- Monitoring Tools
 - Network Troubleshooting
 - Alarm browser
 - Web reporting interface
- Working with MIB'S
 - Browser and grapher
 - Loading MIB'S
 - MIB object

Day 3: Data and Equipment

- Data Collection
 - Configuration
 - Monitoring
 - Equipment Screen
 - Student Participation
-

FarScan™ and StarView™
System Operator Course
TR-STV-02

Course Specifics

Duration:	5 days
Class capacity:	8 students
Location(s) for pre-scheduled class:	<ul style="list-style-type: none">▪ Montreal, Canada▪ San Antonio, Texas
Materials provided:	<ul style="list-style-type: none">▪ Instruction Manual (CD-ROM)▪ Student Guide

Prerequisite

- Computer in an NT environment
- LAN/ WAN good knowledge
- Radio equipment to be monitored

Objectives

At the end of this course, participants will be able to:

- Operate the FarScan and Starview Network management system

Course Content

Day 1: Introduction to Starview and FarScan

- Starview Environment
Software components
Options
- FarScan
Installation
Primary Functions
Display Configuration
Equipment Activity Log
Utilities
Connections
Operation

Day 2: Operation

- Communication and Basic Components
- Architecture
Process description
Files Location
Databases
- StarView User interface
Graphical User interface
Web Interface
- Map & sub maps
Navigation and Network
- Objects and Symbols
Status. Types and behavior

Day 3: Monitoring Tools and MIB'S

- Network troubleshooting
- Alarm browser
- Web Reporting interface
- Working with MIB'S
Browser and grapher
Loading MIB'S

Day 4 & 5: Data Collection, Equipment Screen and Troubleshooting

- Data Collection
Configuration
Monitoring
- Equipment Screen
Operation
Diagnostics
- Troubleshooting

FarScan™ and StarView™ **System Administrator Course** **TR-STV-03**

Course Specifics

- Duration: 8 days
Class capacity: 8 students
Location(s) for pre-scheduled class:
 - Montreal, Canada
 - San Antonio, TexasMaterials provided:
 - Instruction Manual (CD-ROM)
 - Student Guide

Prerequisite

- Administrator in an NT environment
- LAN/ WAN good knowledge
- Radio equipment to be monitored

Objectives

At the end of this course, participants will be able to:

- Administrate the FarScan and Starview Network management system

Course Content

Day 1: Introduction to Starview and FarScan

- StarView Environment Components
- StarView Installation
- StarView architecture
- StarView User interface
- Graphical User interface
- Web Interface
- FarScan Installation Functions Configuration Equipment Activity Log Utilities Connections Operation

Day 2: Starview

- StarView Installation Architecture StarView User interface Graphical User interface Web Interface
- Maps and Sub maps
- Objects and Symbols Status & Types Symbol behavior

Day 3: Monitoring Tools

- Network troubleshooting
- Alarm browser
- Web Reporting interface

Day 4: Basic Administration

- Basic of Administration

Day 5: Working with MIB's

- Browser & grapher
- Loading MIB's
- MIB Object

Day 6: SNMP and Alarms

- Data collection
- Configuration
- Monitoring

Day 7: WEB

- Reporter Configuration
- User Interface
- Backing up Starview

Day 8: Equipment Screen

- Operation
- Diagnostics

**USA COMMITMENT TO PROMOTE
SMALL BUSINESS PARTICIPATION
PROCUREMENT PROGRAMS**

PREAMBLE

Aviat U.S., Inc. provides commercial products and services to ordering activities. We are committed to promoting participation of small, small disadvantaged and women-owned small businesses in our contracts. We pledge to provide opportunities to the small business community through reselling opportunities, mentor-protégé programs, joint ventures, teaming arrangements, and subcontracting.

COMMITMENT

- To actively seek and partner with small businesses.
- To identify, qualify, mentor and develop small, small disadvantaged and women-owned small businesses by purchasing from these businesses whenever practical.
- To develop and promote company policy initiatives that demonstrate our support for awarding contracts and subcontracts to small business concerns.
- To undertake significant efforts to determine the potential of small, small disadvantaged and women-owned small business to supply products and services to our company.
- To insure procurement opportunities are designed to permit the maximum possible participation of small, small disadvantaged, and women-owned small businesses.
- To attend business opportunity workshops, minority business enterprise seminars, trade fairs, procurement conferences, etc., to identify and increase small businesses with whom to partner.
- To publicize in our marketing publications our interest in meeting small businesses that may be interested in subcontracting opportunities.

We signify our commitment to work in partnership with small, small disadvantaged and women-owned small businesses to promote and increase their participation in ordering activity contracts. To accelerate potential opportunities please contact

Point of Contact: Christy Cornet

Phone Number: (210) 561-6291

E-mail address: christy.cornet@aviatnet.com

Fax Number: (408) 567-2164

SUGGESTED Blanket Purchase Agreement (BPA) format

**BEST VALUE
BLANKET PURCHASE AGREEMENT
FEDERAL SUPPLY SCHEDULE**

(Insert Customer Name)

In the spirit of the Federal Acquisition Streamlining Act (ordering activity) and (Contractor) enter into a cooperative agreement to further reduce the administrative costs of acquiring commercial items from the General Services Administration (GSA) Federal Supply Schedule Contract(s) _____.

Federal Supply Schedule contract BPAs eliminate contracting and open market costs such as: search for sources; the development of technical documents, solicitations and the evaluation of offers. Teaming Arrangements are permitted with Federal Supply Schedule Contractors in accordance with Federal Acquisition Regulation (FAR) 9.6.

This BPA will further decrease costs, reduce paperwork, and save time by eliminating the need for repetitive, individual purchases from the schedule contract. The end result is to create a purchasing mechanism for the ordering activity that works better and costs less.

Signatures

Ordering Activity

Date

Contractor

Date

BASIC GUIDELINES FOR USING “CONTRACTOR TEAM ARRANGEMENTS”

Federal Supply Schedule Contractors may use “Contractor Team Arrangements” (see FAR 9.6) to provide solutions when responding to a ordering activity requirements.

These Team Arrangements can be included under a Blanket Purchase Agreement (BPA). BPAs are permitted under all Federal Supply Schedule contracts.

Orders under a Team Arrangement are subject to terms and conditions of the Federal Supply Schedule Contract.

Participation in a Team Arrangement is limited to Federal Supply Schedule Contractors.

Customers should refer to FAR 9.6 for specific details on Team Arrangements.

Here is a general outline on how it works:

- The customer identifies their requirements.
- Federal Supply Schedule Contractors may individually meet the customer's needs, or -
- Federal Supply Schedule Contractors may individually submit a Schedules “Team Solution” to meet the customer's requirement.
- Customers make a best value selection.

AVIAT U.S., INC.

AUTHORIZED GSA SCHEDULE CONTRACT PRICING

SIN	Product Description	Part Number	GSA Price
132-8	Point to Point Microwave Radios		
	Aurora 2400 Spread Spectrum Radios		
	* Frequency Band: 2.400 - 2.4835 GHz		
	* Installation /Maintenance Software Diskette		
	* Installation Guide & Instruction Manual		
	* Power Supply: AC (110-220 VAC) or DC (+/-21-60VDC)		
	* Impedance: 100 Ohms Balanced		
	* RF Power - Software Adjustable: +26dBm max to +15dBm min		
	REFERENCE EQUIPMENT DATA SHEETS FOR PERFORMANCE CHARACTERISTICS		
	FREQUENCY PAIRS		
	Pair A 2.410 & 2.4535 GHz		
	Pair B 2.430 & 2.469 GHz		
	NOTE: Specify Tx/Rx frequency pair with order		
132-8	Aurora 2400, 1DS1 Capacity, VDC	RA302AAH2#000	\$5,134.26
132-8	Aurora 2400, 1DS1 Capacity, VAC	RA302AAH1#000	\$5,134.26
132-8	Aurora 2400, 10BaseT Interface, VDC	RA302ASH2#000	\$5,648.11
132-8	Aurora 2400, 10BaseT Interface, VAC	RA302ASH1#000	\$5,648.11
	Optional Kits		
132-8	Spread Spectrum Antenna, 3 ft, Directional, Semi-parabolic grid, 23 dBi - Standard	SS2400-36	\$95.72
132-8	RF Antenna Cable Kit, 15 m (50 ft) LDF2-50 Cable, 1 kit per Terminal	AU2-NP-040	\$134.01
132-8	RF Antenna Cable Kit, 30 m (100 ft) LDF2-50 Cable, 1 Kit per Terminal	AU2-NP-041	\$229.72
132-8	RF Antenna Cable Kit, 50 m (200 ft) LDF2-50 Cable, 1 Kit per Terminal	AU2-NP-042	\$421.16
	* RF Antenna Cable Kits include LDF-2-50 HELIAX COAX (6 dB loss per 100 ft) and N-Type Connectors		
	Aurora 5800 Spread Spectrum Radios		
	* Frequency Band: 5.725 - 5.842 GHz		
	* One voice/data channel		
	* One network management channel		
	* SNMP proxy agent		
	* Enhanced craft interface tool		
	* Full indoor or outdoor configuration		
	* Power Supply: DC (+/-21-60VDC) or AC (110-220 VAC)		
	* Impedance: 100 Ohms Balanced		
	* Installation /Maintenance Software Diskette		
	* Installation Guide		
	* Instruction Manual		
	* RF Power - Software Adjustable: +20dBm max to +10 dBm min		
	REFERENCE EQUIPMENT DATA SHEETS FOR PERFORMANCE CHARACTERISTICS		
	FREQUENCY PAIRS		
	1DS1: Pair A 5.735 & 5.800 GHz		
	Pair B 5.755 & 5.820 GHz		
	Pair C 5.775 & 5.840 GHz		
	2DS1: Pair A 5.741 & 5.803 GHz		
	Pair B 5.772 & 5.834 GHz		
	NOTE: Specify Tx/Rx frequency pair with order		
132-8	Aurora 5800, 1DS1, VDC	RA305AAS2#100	\$5,920.20
132-8	Aurora 5800, 1DS1, VAC	RA305AAS1#100	\$5,920.20
132-8	Aurora 5800, 2DS1, VDC	RA305ABS2#100	\$7,189.72
132-8	Aurora 5800, 2DS1, VAC	RA305ABS1#100	\$7,189.72
132-8	Aurora 5800, 10BaseT, VDC	RA305ASS2#100	\$6,428.01
132-8	Aurora 5800, 10BaseT, VAC	RA305ASS1#100	\$6,428.01
132-8	Aurora 5800, 10BaseT +1DS1, VDC	RA305AVS2#100	\$7,697.53
132-8	Aurora 5800, 10BaseT + 1DS1, VAC	RA305AVS1#100	\$7,697.53

SIN	Product Description	Part Number	GSA Price
132-8	Point to Point Microwave Radios		
	Optional Kits		
132-8	Spread Spectrum Antenna, 2ft, Directional Flat Panel, 28.5 dBi	SS5800-24	\$952.39
132-8	RF Antenna Cable Kit, 15 m (50 ft) LDF4-50 Cable, 1 kit per Terminal	AU5-NP-040	\$172.29
132-8	RF Antenna Cable Kit, 30 m (100 ft) LDF4-50 Cable, 1 Kit per Terminal	AU5-NP-041	\$268.01
132-8	RF Antenna Cable Kit, 50 m (200 ft) LDF4-50 Cable, 1 Kit per Terminal	AU5-NP-042	\$459.45
	* RF Antenna Cable Kits include LDF4-50 HELIAX COAX (6 dB loss per 100 ft) and N-Type Connectors		
	MICROSTAR M 7/8 GHz		
	* Frequency Bands:		
	** 7.125 - 7.725 GHz		
	** 7.725 - 8.275 GHz		
	** 8.200 - 8.750 GHz		
	NOTE: Specify Tx/Rx frequency pair with order		
	* Modulation: QPSK		
	* Protection Scheme:		
	** NP - Non-Protected (1+0)		
	** MHS - Monitored Hot Standby (1+1)		
	** MHS - Monitored Hot Standby (1+1) SD		
	** MHS - Monitored Hot Standby (1+1) FD		
	** MHS - Monitored Hot Standby (1+1) HD		
	* Capacity: 4-16 DS1, DS3 Type II programable IDU		
	* Capacity: DS3, Type III IDU		
	* Wide Mouth Power Supply +/- 21 to 60 VDC, positive or negative ground		
	* Standard Power (SP): + 24.5 dBm nominal at NP Antenna Port		
	* High Power (HPA): + 30.5 dBm nominal at NP Antenna Port (Available indoor-only)		
	* Quick set-up guide		
	* Tributary amphenol connection		
	* Forward Error Correction (FEC)		
	* Service Channel with one data channel		
	* FarScan/NetBIOS/SNMP interface		
	* Performance Monitoring (G.826)		
	* Auto-configurator		
	* Detachable ODU Standard - Select Optional Antenna Kit with ODU Interface		
	* Optional Antenna Interface: Separate ODU + Standard parabolic antennas + Waveguide		
	REFERENCE EQUIPMENT DATA SHEETS FOR PERFORMANCE CHARACTERISTICS		
132-8	Non-Protected (1+0)		
	MicroStar M 7/8 GHz, NP, 4-16 DS1 Type II IDU - SP	RF20#A6S####0B23#B	
132-8			\$10,881.61
	MicroStar M 7/8 GHz, NP, DS3 Type II IDU- SP	RF20#AZS####0B23#B	
132-8			\$10,881.61
	MicroStar M 7/8 GHz, NP, 4-16 DS1 Type II IDU - HPA - Indoor	RF20#A6H####0B03#B	
132-8			\$12,493.70
	MicroStar M 7/8 GHz, NP, DS3 Type II IDU - HPA - Indoor	RF20#AZH####0B03#B	
132-8			\$12,493.70
	MicroStar M 7/8 GHz, NP, DS3 Type III IDU - SP	RF20#AZS####0B22#B	
132-8			\$11,768.26
	MicroStar M 7/8 GHz, NP, DS3 Type III IDU - HPA - Indoor	RF20#AZH####0B02#B	
132-8			\$13,380.35
132-8	Monitored Hot Standby (1+1)		
	MicroStar M 7/8 GHz, MHS, 4-16 DS1 Type II IDU - SP	RF20#E6S####0B23#B	
132-8			\$19,586.90
	MicroStar M 7/8 GHz, MHS/Space Diversity (SD), 4-16 DS1 Type II IDU - SP	RF20#H6S####0B23#B	
132-8			\$21,360.20
	MicroStar M 7/8 GHz, MHS/Frequency Diversity (FD), 4-16 DS1 Type II IDU - SP	RF20#K6S####0B23#B	
132-8			\$21,964.74
	MicroStar M 7/8 GHz, MHS/Hybrid Diversity (HD), 4-16 DS1 Type II IDU - SP	RF20#L6S####0B23#B	
132-8			\$21,545.59
	MicroStar M 7/8 GHz, MHS DS3 Type II IDU- SP	RF20#EZS####0B23#B	
132-8			\$19,586.90

SIN	Product Description	Part Number	GSA Price
132-8	Point to Point Microwave Radios		
132-8	MicroStar M 7/8 GHz, MHS/Space Diversity (SD), DS3 Type II IDU- SP	RF20#HZS####0B23#B	\$21,360.20
132-8	MicroStar M 7/8 GHz, MHS/Frequency Diversity (FD), DS3 Type II IDU - SP	RF20#KZS####0B23#B	\$21,964.74
132-8	MicroStar M 7/8 GHz, MHS/Hybrid Diversity (HD), DS3 Type II IDU - SP	RF20#LZS####0B23#B	\$21,545.59
132-8	MicroStar M 7/8 GHz, MHS, 4-16 DS1 Type II IDU - HPA - Indoor	RF20#E6H####0B03#B	\$22,811.08
132-8	MicroStar M 7/8 GHz, MHS/Space Diversity (SD), 4-16 DS1 Type II IDU - HPA - Indoor	RF20#H6H####0B03#B	\$23,778.34
132-8	MicroStar M 7/8 GHz, MHS/Frequency Diversity (FD), 4-16 DS1 Type II IDU - HPA - Indoor	RF20#K6H####0B03#B	\$25,188.92
132-8	MicroStar M 7/8 GHz, MHS/Hybrid Diversity (HD), 4-16 DS1 Type II IDU - HPA - Indoor	RF20#L6H####0B03#B	\$24,769.77
132-8	MicroStar M 7/8 GHz, MHS DS3 Type II IDU - HPA - Indoor	RF20#EZH####0B03#B	\$22,811.08
132-8	MicroStar M 7/8 GHz, MHS/Space Diversity (SD), DS3 Type II IDU - HPA - Indoor	RF20#HZH####0B03#B	\$23,778.34
132-8	MicroStar M 7/8 GHz, MHS/Frequency Diversity (FD), DS3 Type II IDU - HPA - Indoor	RF20#KZH####0B03#B	\$25,188.92
132-8	MicroStar M 7/8 GHz, MHS/Hybrid Diversity (HD), DS3 Type II IDU - HPA - Indoor	RF20#LZH####0B03#B	\$24,769.77
132-8	MicroStar M 7/8 GHz, MHS DS3 Type III IDU - SP	RF20#EZS####0B22#B	\$21,182.87
132-8	MicroStar M 7/8 GHz, MHS/Space Diversity (SD), DS3 Type III IDU - SP	RF20#HZS####0B22#B	\$22,351.64
132-8	MicroStar M 7/8 GHz, MHS/Frequency Diversity (FD), DS3 Type III IDU - SP	RF20#KZS####0B22#B	\$23,069.02
132-8	MicroStar M 7/8 GHz, MHS/Hybrid Diversity (HD), DS3 Type III IDU - SP	RF20#LZS####0B22#B	\$22,714.36
132-8	MicroStar M 7/8 GHz, MHS DS3 Type III IDU - HPA - Indoor	RF20#EZH####0B02#B	\$24,407.05
132-8	MicroStar M 7/8 GHz, MHS/Space Diversity (SD), DS3 Type III IDU - HPA - Indoor	RF20#HZH####0B02#B	\$24,810.08
132-8	MicroStar M 7/8 GHz, MHS/Frequency Diversity (FD), DS3 Type III IDU - HPA - Indoor	RF20#KZH####0B02#B	\$26,293.20
132-8	MicroStar M 7/8 GHz, MHS/Hybrid Diversity (HD), DS3 Type III IDU - HPA - Indoor	RF20#LZH####0B02#B	\$25,938.54
	Optional Parabolic Antenna for Detachable ODUs		
132-8	2 ft detachable parabolic antenna with ODU Interface	101-901810-201	\$842.32
132-8	4 ft detachable parabolic antenna with ODU Interface	101-901810-401	\$1,914.36
132-8	Horizontal Polarization Adapter	099-901420-004	\$134.01
	MicroStar M/H 15 GHz Radios		
	* Frequency Band: 14.500-15.350 GHz		
	NOTE: Specify Tx/Rx frequency pair with order		
	* Modulation: QPSK and 16 QAM		
	* Standard Power is + 20 dBm in QPSK Mode		
	* Standard Power is + 16 dBm in 16QAM Mode		
	* Protection Scheme:		
	** NP - Non-Protected (1+0)		
	** MHS - Monitored Hot Standby (1+1)		
	* Capacity: 2-16 DS1 and DS3		
	* Type I, II and III IDU		
	* For Pole Mounted ODU : ODU Bracket Included		
	* For Inside Rack Mounted ODU : Bracket & IDU-ODU Cable Included		
	* Tributary Amphenol connector		
	* Tributary BNC Connectors w/cable - Optional		
	* Wide-Mouth Power Supply +/- 21 to 60 VDC		

SIN	Product Description	Part Number	GSA Price
132-8	Point to Point Microwave Radios		
	* Forward Error Correction (FEC)		
	* Service Channel with one data channel		
	* FarScan/NetBoss/ SNMP Interface		
	* Performance Monitoring (G.826)		
	* Auto-configurator		
	* Installation Guide (IGD)		
	* Detachable ODU Standard - Select Optional Antenna Kit with ODU Interface		
	* Optional Antenna Interface: Separate ODU + Standard parabolic antennas + Waveguide		
	REFERENCE EQUIPMENT DATA SHEETS FOR PERFORMANCE CHARACTERISTICS		
	Non-Protected (1+0)		
132-8	MicroStar M/H 15 Type I IDU, NP, 1 DS3 Capacity, Detachable RF Unit	RK115AZS####0U201	\$8,463.48
132-8	MicroStar M/H 15 Type II IDU, NP, 1 DS3, Detachable RF Unit (16 QAM Only)	RK115AZS####0U203	\$9,753.15
132-8	MicroStar M/H 15 Type II IDU, NP, Programmable 2-16 DS1, Detachable RF Unit	RK115A6S####0B203	\$9,914.36
132-8	MicroStar M/H 15 Type III IDU, NP, 1 DS3, Detachable RF Unit	RK115AZS####0U202	\$11,607.05
	Monitored Hot Standby (1+1)		
132-8	MicroStar M/H 15 Type II IDU, MHS, 1 DS3, Detachable RF Unit (16 QAM Only)	RK115EZS####0U203	\$19,264.48
132-8	MicroStar M/H 15 Type II IDU, MHS, Programmable 2-16 DS1, Detachable RF Unit	RK115E6S####0B203	\$19,345.09
132-8	MicroStar M/H 15 Type III IDU, MHS, 1 DS3, Detachable RF Unit	RK115EZS####0U202	\$21,118.39
	Optional Kits - Choose none or one to complete configuration		
132-8	Orderwire, NP, w/o handset (TYPE I IDU ONLY)	MSMH-OW-NP	\$430.73
132-8	Orderwire, MHS, w/o handset (TYPE I or III IDU ONLY)	MSMH-OW-MHS	\$861.46
	Optional Parabolic Antenna for Detachable ODUs		
132-8	1 ft detachable parabolic antenna with ODU Interface	101-902045-001	\$344.58
132-8	2 ft detachable parabolic antenna with ODU Interface	101-902045-201	\$536.02
132-8	4 ft detachable parabolic antenna with ODU Interface	101-902045-401	\$1,483.63
132-8	Horizontal Polarization Adapter	099-902354-002	\$134.01
132-8	15 GHz F03 antenna interface	099-902300-006	\$373.30
	Optional RF Combiner for Single Detachable Antenna- MHS Application Only		
132-8	RF Combiner 3dB Equal Split 15 GHz	101-902334-003	\$861.46
132-8	RF Combiner 6dB Unequal Split 15 GHz	101-902334-004	\$861.46
	Common Accessories for MicroStar M/H (Choose none or one to complete MicroStar M/H configurations)		
	Tributary Interfaces		
132-8	110/120 ohm Amphenol Wirewrap Adapter	098-020016-260	\$47.86
132-8	Cable Stub balanced w/3m (10ft)cable (Amphenol to loose end)	098-901250-002	\$105.29
	Ancillary Options		
132-8	CIT (Monitors & Controls local site & adjacent remote site)	098-902222-019	\$110.08
132-8	DTMF Handset for Orderwire	091-020085-704	\$57.43

SIN	Product Description	Part Number	GSA Price
132-8	Point to Point Microwave Radios		
132-8	Handheld Terminal Kit (handheld terminal and cable)	098-901202-003	\$406.80
132-8	PCMCIA Orderwire Kit (TYPE II IDU ONLY)	099-902001-001	\$650.88
132-8	Serial PCMCIA Kit for FarScan Connection (TYPE II IDU ONLY)	099-902203-001	\$746.60
	Racks and mounting accessories		
132-8	Loose unmounted Rack	AU2K1	\$717.88
132-8	Assembled Rack including DC block, cabling & crate	AU2K2	\$1,038.54
132-8	Assembled Rack including DC block, cabling & crate with fuse panel	AU2K3	\$1,229.97
132-8	Mounting Pipe Extender	099-901805-004	\$287.15
132-8	Outdoor Pole Installation Kit	098-901202-001	\$95.72
132-8	Sunshield 7 GHz	098-901202-002	\$382.87
132-8	Sunshield 15 GHz	099-902344-001	\$191.44
	Indoor / Outdoor cable kit and accessories - Indoor/Outdoor C2FP cable (Up to 200m) installation kit includes: N-male clamp connectors, Gnd kits, ties, Cold Shrink weatherproofing,(Note 1ea for NP & 2ea for Prot/HS), Choose Length :		
132-8	*MicroStar Cable kit 15 m (45') C2FP cable, 1 Kit per T/R	099-901208-005	\$143.58
132-8	*MicroStar Cable kit 30 m (90') C2FP cable, 1 Kit per T/R	099-901208-006	\$172.29
132-8	*MicroStar Cable kit 45 m (150') C2FP cable, 1 Kit per T/R	099-901208-001	\$213.45
132-8	*MicroStar Cable Kit 90 m (300') C2FP cable, 1 Kit per T/R	099-901208-002	\$285.24
132-8	*MicroStar Cable Kit 150 m (500') C2FP cable, 1 Kit per T/R	099-901208-003	\$447.00
132-8	*MicroStar Cable Kit 210 m (700') C2FP cable, 1 Kit per T/R	099-901208-004	\$590.58
132-8	*MicroStar Cable Installation Tool Kit	099-901206-001	\$100.50
	Constellation G 7 GHz Radios		
	* Frequency Bands:		
	** 7.125 - 8.500 GHz		
	NOTE: Specify Tx/Rx frequency pair with order		
	* Capacity: 4DS1 to 4xDS3		
	* Channel Bandwidth(s): 3.75, 5.0, 10.0, 30.0 MHz		
	* Modulation: High-Efficiency Up to 128 TCM		
	* Protection Scheme:		
	** NP - Non-Protected (1+0)		
	** MHS - Monitored Hot Standby (1+1)		
	* Synthesized frequency Sources		
	* Adaptive Time Domaine Equalization (ATDE)		
	* Automatic Transmitter Control (ATPC)		
	* Forward Error Correction (FEC)		
	* Wide -Mouth Power Supply +/- 20-60 Vdc		
	* Embedded SNMP; StarView, FarScan, NetBoss Capable		
	* Remote Inventory Management Capability		
	* Remote S/W Download Capability		
	* Optional OW: 1 VF & 1 Data Channel		
	* CD-ROM Included: Installation & Maintenance Manual, Reference Manual, Application Instructions		
	REFERENCE EQUIPMENT DATA SHEETS FOR PERFORMANCE CHARACTERISTICS		
	Non-Protected (1+0) Terminal		
132-8	Constellation G 7 GHz, NP Terminal, 8 DSI	RC307ABSTNC#B040C	\$19,678.46

SIN	Product Description	Part Number	GSA Price
132-8	Point to Point Microwave Radios		
132-8	Constellation G 7 GHz, NP Terminal, 16 DS1	RC307ACSTNE#B040C	\$20,727.58
132-8	Constellation G 7 GHz, NP Terminal, 28 DS1	RC307AESTNH#B040C	\$22,301.26
132-8	Constellation G 7 GHz, NP Terminal, DS3	RC307AESTNZ#U040C	\$18,629.35
132-8	Constellation G 155 7 GHz, NP Terminal, OC3	RY071AGTNE##0040C	\$25,286.15
132-8	Constellation G 155 7 GHz, NP Terminal, 3DS3	RY071AGTNV##0040C	\$26,288.16
132-8	Constellation G 155 7 GHz, NP Terminal, 4DS3	RY071AGTNYH#0040C	\$35,394.71
132-8	Constellation G 155 7 GHz, NP Terminal, 2DS3+28DS1	RY071AGTNWH#0040C	\$29,898.36
132-8	Constellation G 155 7 GHz, NP Terminal, 3DS3+28DS1	RY071AGTNZH#0040C	\$40,419.52
	Combined with Terminal for Non-Protected (1+0) Repeater		
132-8	Constellation G 7 GHz, NP Repeater, 8 DSI	RC307ABSB####041A	\$18,479.47
132-8	Constellation G 7 GHz, NP Repeater, 16DS1 (5 MHz BW)	RC307ACSB####041A	\$19,528.59
132-8	Constellation G 7 GHz, NP Repeater, 16DS1 (10 MHz BW)	RC307AESB####041A	\$19,528.59
	Monitored Hot Standby (1+1) Terminal		
132-8	Constellation G 7 GHz, MHS Terminal, 8DS1	RC307EBSTPC#B040C	\$36,928.97
132-8	Constellation G 7 GHz, MHS Terminal, 16DS1	RC307ECSTPE#B040C	\$37,978.09
132-8	Constellation G 7 GHz, MHS Terminal, 28DS1	RC307EESTPH#B040C	\$39,551.76
132-8	Constellation G 7 GHz, MHS Terminal, DS3	RC307EESTPZ#U040C	\$35,355.29
132-8	Constellation G 155 7 GHz, MHS Terminal, OC3	RY071EGTPB##0040C	\$43,705.54
132-8	Constellation G 155 7 GHz, MHS Terminal, 3DS3	RY071EGTPV##0040C	\$44,707.56
132-8	Constellation G 155 7 GHz, MHS Terminal, 4DS3	RY071EGTPY##0040C	\$53,047.86
132-8	Constellation G 155 7 GHz, MHS Terminal, 2DS3+28DS1	RY071EGTPWHP0040C	\$48,833.50
132-8	Constellation G 155 7 GHz, MHS Terminal, 3DS3+28DS1	RY071EGTPZHP0040C	\$57,173.80
	Combined with Terminal for Hot Standby (1+1) Repeater		
132-8	Constellation G 7 GHz, MHS Repeater, 8DS1	RC307EBSB####041A	\$35,205.42
132-8	Constellation G 7 GHz, MHS Repeater, 16DS1 (5 MHz BW)	RC307ECSEB####041A	\$36,254.53
132-8	Constellation G 7 GHz, MHS Repeater, 16DS1 (10 MHz BW)	RC307EESB####041A	\$36,254.53
132-8	Space Diversity Option - MHS (1+1) Only	CX07-MHS-SD	\$539.55
132-8	Constellation G Medium Capacity (5 MHz BW) High Gain Option - Non Protected (Add to above Radio Terminal Price)	CX07-NP-5HGO	\$3,924.43
132-8	Constellation G Medium Capacity (5 MHz BW) High Gain Option - Protected (Add to above Radio Terminal Price)	CX07-MHS-5HGO	\$7,848.87
132-8	Constellation G Medium Capacity (10 MHz BW) High Gain Option - Non Protected (Add to above Radio Terminal Price)	CX07-NP-10HGO	\$4,115.87
132-8	Constellation G Medium Capacity (10 MHz BW) High Gain Option - Protected (Add to above Radio Terminal Price)	CX07-MHS-10HGO	\$8,231.74
132-8	Constellation G 155 (30 MHz BW) High Gain Option - Non Protected (Add to above Radio Terminal Price)	CX07155-NP-30HGO	\$2,680.10
132-8	Constellation G 155 (30 MHz BW) High Gain Option - Protected (Add to above Radio Terminal Price)	CX07155-MHS-30HGO	\$5,360.20

SIN	Product Description	Part Number	GSA Price
132-8	Point to Point Microwave Radios		
	Note: To obtain capacities between 4 and 28 DS1, add or subtract one (1) each M12 Card (4DS1 line interference card) for each 4 DS1 to the basic DS1 version of the radio.		
	Constellation G Options		
132-8	Orderwire / Service Channel: 1 VF & 1 Data Channel	101-115076-001	\$1,196.47
132-8	M12 Card (4DS1 Line Interface Card)	101-115070-001	\$837.53
132-8	Keypad Kit (Keypad & Cable)	098-115027-001	\$406.80
132-8	Orderwire Handset	098-020085-106	\$86.15
132-8	7 ft. relay rack, 19 in. mounting, aluminum finish	090-746055-503	\$351.28
132-8	Fuse and Alarm Panel	102-107059-001	\$453.70
132-8	Installation & Maintenance Manual (IM) - Hard Copy	IMN-112871-E07	\$157.93
132-8	Systems Application Information (SAI) - Hard Copy	SAI-112874-E04	\$86.15
	Megastar 155G 7/8 GHz Radio		
	* Frequency Bands:		
	** 7.125 - 8.500 GHz		
	NOTE: Specify Tx/Rx frequency pair with order		
	* Capacity: 155 MB/s		
	* Protection Scheme:		
	** NP - Non-Protected (1+0)		
	** MHS - Monitored Hot Standby (1+1)		
	* Tributary Interface: Standard OC-3/STM-1 Multi-Mode (MM) - Short Reach (SR) optical or Electrical only		
	* Power Supply: -48 VDC or + 24 VDC		
	* SCAN System, Control and Alarm Interface Card		
	* W/G Port: CPR112G		
	* Automatic Transmit Power Control (ATPC)		
	* Forward Error Correction (FEC)		
	* Reverse Channel Switch		
	* Adaptive Time Domain Equalizer (ADTE)		
	* Built-in automatic protection switch		
	* One Wayside T1 per T/R		
	* CD-ROM Included 3 Volume Reference Manual Set		
	REFERENCE EQUIPMENT DATA SHEETS FOR PERFORMANCE CHARACTERISTICS		
	Non-Protected (1+0)		
132-8	Megastar 155 NP 7 GHz Terminal - OC3 Short Reach Optical Interface	RM407AFSAEDL4300	\$28,356.42
	Monitored Hot Standby (1+1)		
132-8	Megastar 155 MHS 7 GHz Terminal - OC3 Short Reach Optical Interface	RM407EF#AEDL4300	\$44,795.97
	Optional Kits - Choose none or one to complete configuration		
132-8	Space Diversity Option - MHS (1+1) Only	MG7-MHS-SD	\$689.17
132-8	OC3 Single Mode-Intermediate Reach Tributary Interface	102-110282-002A	\$551.34
132-8	3 x DS3 Tributary Interface	102-110599-001A	\$505.39

SIN	Product Description	Part Number	GSA Price
132-8	Point to Point Microwave Radios		
	Megastar 155G Options		
132-8	Voice Orderwire	101-110060-001A	\$866.25
132-8	Orderwire Handset	091-020085-105A	\$86.15
132-8	Data Orderwire	102-110061-002A	\$387.66
132-8	10 Base T Data Orderwire	101-112835-001A	\$904.53
132-8	Customer Interface Assembly	024-110240-001	\$62.22
132-8	Customer Interface Assembly Cable (44 to 50 pin connector)	087-11088-049	\$90.93
132-8	Wirewrap Adapter Kit	098-107617-001	\$33.50
132-8	7 ft. relay rack, 23 in. mounting, aluminum finish	090-746525-503	\$452.75
132-8	Fuse and Alarm Panel	102-107059-001	\$453.70
132-8	Installation and Maintenance Manual - Hard copy	IMN-101625	\$186.65
132-8	Reference Manual - Hard copy	RMN-001625	\$378.09
132-8	Software Utilities - Hard copy	SUT-119073	\$186.65
132-8	Systems Application Information (SAI) - Hard copy	SAI-119074	\$90.93
	Megastar 155G M:N 7/8 GHz Radio		
	* Frequency Bands:		
	** 7.125 - 8.500 GHz		
	NOTE: Specify Tx/Rx frequency pair with order		
	* Capacity: 155 MB/s per channel		
	* Protection Scheme: M:N where M = Protection Terminal and N: # of 155 MB/s channels		
	** NP - Non-Protected (0:N)		
	** MHS - Monitored Hot Standby (1:N)		
	* Tributary Interface: Standard OC-3/STM-1 Multi-Mode (MM) - Short Reach (SR) optical or Electrical only		
	* Power Supply: -48 VDC or ± 24 VDC		
	* SCAN System, Control and Alarm Interface Card		
	* W/G Port: CPR112G		
	* Automatic Transmit Power Control (ATPC)		
	* Forward Error Correction (FEC)		
	* Reverse Channel Switch		
	* Adaptive Time Domain Equalizer (ADTE)		
	* Built-in automatic protection switch		
	* One Wayside T1 per T/R		
	* CD-ROM Included 3 Volume Reference Manual Set		
	REFERENCE EQUIPMENT DATA SHEETS FOR PERFORMANCE CHARACTERISTICS		
	Non-Protected (0:N)		
132-8	Megastar 155 NP (0:1) 7 GHz Terminal - OC3 Short Reach Optical Interface	RP307A#A##ED#4#	\$26,188.41
132-8	Megastar 155 NP (0:2) 7 GHz Terminal - OC3 Short Reach Optical Interface	RP307B#A##ED#4#	\$46,863.48
132-8	Megastar 155 NP (0:3) 7 GHz Terminal - OC3 Short Reach Optical Interface	RP307C#A##ED#4#	\$67,538.54
132-8	Megastar 155 NP (0:4) 7 GHz Terminal - OC3 Short Reach Optical Interface	RP307D#A##ED#4#	\$88,213.60
132-8	Megastar 155 NP (0:5) 7 GHz Terminal - OC3 Short Reach Optical Interface	RP307E#A##ED#4#	\$108,888.66

SIN	Product Description	Part Number	GSA Price
132-8	Point to Point Microwave Radios		
132-8	Megastar 155 NP (0:6) 7 GHz Terminal - OC3 Short Reach Optical Interface	RP307F#A##ED#4#	\$129,563.73
132-8	Megastar 155 NP (0:7) 7 GHz Terminal - OC3 Short Reach Optical Interface	RP307G#A##ED#4#	\$150,238.79
132-8	Megastar 155 NP (0:8) 7 GHz Terminal - OC3 Short Reach Optical Interface	RP307H#A##ED#4#	\$170,913.85
	Monitored Hot Standby (1:N)		
132-8	Megastar 155 MHS (1:1) 7 GHz Terminal - OC3 Short Reach Optical Interface	RP307J#A##ED#4#	\$46,863.48
132-8	Megastar 155 MHS (1:2) 7 GHz Terminal - OC3 Short Reach Optical Interface	RP307K#A##ED#4#	\$67,538.54
132-8	Megastar 155 MHS (1:3) 7 GHz Terminal - OC3 Short Reach Optical Interface	RP307L#A##ED#4#	\$88,213.60
132-8	Megastar 155 MHS (1:4) 7 GHz Terminal - OC3 Short Reach Optical Interface	RP307M#A##ED#4#	\$108,888.66
132-8	Megastar 155 MHS (1:5) 7 GHz Terminal - OC3 Short Reach Optical Interface	RP307N#A##ED#4#	\$129,563.73
132-8	Megastar 155 MHS (1:6) 7 GHz Terminal - OC3 Short Reach Optical Interface	RP307P#A##ED#4#	\$150,238.79
132-8	Megastar 155 MHS (1:7) 7 GHz Terminal - OC3 Short Reach Optical Interface	RP307Q#A##ED#4#	\$170,913.85
	Optional Kits - Choose none or one to complete configuration		
132-8	IF Combining Space Diversity Option (M:N)	MG7-MN-SD	\$4,020.15
132-8	IF Combining Space Diversity Option - (M:N) - Add one for each additional terminal	MG7-MN-SD-ADD	\$3,733.00
132-8	OC3 Single Mode-Intermediate Reach Tributary Interface	102-110282-002A	\$551.34
132-8	3 x DS3 Tributary Interface	102-110599-001A	\$505.39
	Megastar 155G M:N Options		
132-8	Voice Orderwire	101-110060-001A	\$866.25
132-8	Orderwire Handset	091-020085-105A	\$86.15
132-8	Data Orderwire	102-110061-002A	\$387.66
132-8	10 Base T Data Orderwire	101-112835-001A	\$904.53
132-8	Customer Interface Assembly	024-110240-001	\$62.22
132-8	Customer Interface Assembly Cable (44 to 50 pin connector)	087-11088-049	\$90.93
132-8	Wirewrap Adapter Kit	098-107617-001	\$33.50
132-8	7 ft. relay rack, 23 in. mounting, aluminum finish	090-746525-503	\$452.75
132-8	Fuse and Alarm Panel	102-107059-001	\$453.70
132-8	Installation and Maintenance Manual - Hard copy	IMN-110971	\$186.65
132-8	Reference Manual - Hard copy	RMN-110972	\$378.09
132-8	Software Utilities - Hard copy	SUT-110973	\$186.65
132-8	Systems Application Information (SAI) - Hard copy	SAI-119074	\$90.93

SIN	Product Description	Part Number	GSA Price
132-33	Network Management Systems (NMS)		
	StarView Network Management System		
	* Open Standard Windows NT-based SNMP Element Manager		
	* HP OpenView Network Node Manager is StarView Core.		
	* Support for scable distribution network architectures		
	* IBM compatible PC Required and Sold Separately		
	* Includes HP OpenView Node Manager for Windows NT. License per concurrent user.		
	* Includes Network Topology map customization		
132-33	Starview 250 - 1 to 250 Network Elements	NA2SAA#0#0	\$20,151.13
132-33	Starview 250, Additional Copies for Workstations withing same Network	NA2SAA#0#0-2	\$9,068.01
132-33	Starview Enterprise (>250 Network Elements)	NA2SAB#0#0	\$29,823.68
132-33	Starview Enterprise, Additional Copies for Workstations withing same Network	NA2SAB#0#0-2	\$11,183.88
	FarScan NMS for Windows		
132-33	Farscan for Windows Software, no edited messages	NA2F###000	\$10,478.59
132-33	Farscan for Windows Software with Proxy Agent, no edited messages	NA2P###000	\$12,896.73
	Optional Kits		
132-12	Standard Warranty Extension - Annual Repair Service Plan	SNW	2% of GSA Price
132-34	Software Maintenance Plan	SMP	3% of GSA Price
132-34	Field Software Setup and Configuration - Price is a man-day rate. Excludes airfare, mobilization and demobilization	NA2-SC	\$1,148.61
132-33	Network Design for Management and Integration	NA2S-ND	\$5,168.77
132-8	Paging Module	NA2SP##0#0	\$5,743.07
132-8	Standard Desktop	NA2SAA#0#1	\$2,105.79
132-8	Portable Laptop	NA2SAA#0#4	\$3,445.84
132-8	Control and Alarm Unit, No EMI	201-099945-001	\$2,297.23
132-8	Starview printed Documentation	NA2S-DOC	\$1,435.77
	Notes:		
	* Price includes 2 year PC hardware warranty		

SIN	Product Description	Part Number	GSA Price
	Training Services		
	* Class size will be limited to twelve (12) students maximum, except for FarScan™ and StarView™ courses which are limited to 8 or unless otherwise specified. *Product Manuals and Student handbook are provided.		
	Microwave System Engineering Courses		
132-50	Introduction to System Design for Microwave Course: Field Training Course over 5 days anywhere in North America (Instructor's airfare, living and accommodations included).	TR-SD-01F	\$14,836.27
132-50	Introduction to Transmission Engineering: Field Training Course over 5 days anywhere in North America (Instructor's airfare, living and accommodations included).	TR-TE-01F	\$14,836.27
132-50	Transmission Engineering: Field Training Course over 5 days anywhere in North America (Instructor's airfare, living and accommodations included).	TR-TE-02F	\$14,836.27
	Aurora Radio Training		
132-50	Aurora™ Spread Spectrum Radio - Maintenance and Operation Course: Field Training Course over 1 days anywhere in North America (Instructor's airfare, living and accommodations included).	TR-AUR-01	\$4,307.30
	MicroStar Radio Training		
132-50	MicroStar® Family - Maintenance and Operation Course: Pre-Scheduled Factory Training Course over 3 days at Aviat Networks Facility (price/person)	TR-MIC-01	\$1,526.70
132-50	MicroStar® Family - Maintenance and Operation Course: Field Training Course over 3 days anywhere in North America (Instructor's airfare, living and accommodations included).	TR-MIC-01F	\$11,964.74
132-50	MicroStar® M & H Maintenance and Operation Course: Pre-Scheduled Factory Training Course over 2 days at Aviat Networks Facility (price/person)	TR-MIC-04	\$1,526.70
132-50	MicroStar® M & H Maintenance and Operation Course: Field Training Course over 2 days anywhere in North America (Instructor's airfare, living and accommodations included).	TR-MIC-04F	\$9,093.20
	Constellation Radio Training		
132-50	Constellation™ - Maintenance and Operation Course: Pre-Scheduled Factory Training Course over 4 days at Aviat Networks Facility (price/person)	TR-CON-01	\$1,909.57
132-50	Constellation™ - Maintenance and Operation Course: Field Training Course over 4 days anywhere in North America (Instructor's airfare, living and accommodations included).	TR-CON-01F	\$12,921.91
	MegaStar Radio Training		
132-50	MegaStar® 155 SONET/SDH (1+1 & M: N) - Maintenance and Operation Course: Pre-Scheduled Factory Training Course over 4 days at Aviat Networks Facility (price/person)	TR-MEG-02	\$1,909.57
132-50	MegaStar® 155 SONET/SDH (1+1 & M: N) - Maintenance and Operation Course: Field Training Course over 4 days anywhere in North America (Instructor's airfare, living and accommodations included).	TR-MEG-02F	\$12,921.91
	StarView/FarScan Network Management System (NMS) Training		
132-50	FarScan™ for Windows - Maintenance and Operation Course: Pre-Scheduled Factory Training Course over 3 days at Aviat Networks Facility (price/person)	TR-FAR-01	\$1,526.70
132-50	FarScan™ for Windows - Maintenance and Operation Course: Field Training Course over 3 days anywhere in North America (Instructor's airfare, living and accommodations included).	TR-FAR-01F	\$11,964.74
132-50	StarView™ - System Operator Course: Pre-Scheduled Factory Training course over 3 days at Aviat Networks Facility (price/person)	TR-STV-01	\$1,526.70
132-50	StarView™ - System Operator Course: Product Field Training course over 3 days anywhere in North America (Instructor's airfare, living and accommodations included).	TR-STV-01F	\$11,964.74
132-50	FarScan™ and StarView™ - System Operator Course: Field Training course over 5 days anywhere in North America (Instructor's airfare, living and accommodations included).	TR-STV-02F	\$14,836.27
132-50	FarScan™ and StarView™ - System Administrator Course: Pre-Scheduled Factory Product Training course over 8 days at Aviat Networks Facility (price/person)	TR-STV-03	\$3,441.06
132-50	FarScan™ and StarView™ - System Administrator Course: Product Field Training course over 8 days anywhere in North America (Instructor's airfare, living and accommodations included).	TR-STV-03F	\$24,408.06