

GENERAL SERVICES ADMINISTRATION FEDERAL SUPPLY SERVICE  
**AUTHORIZED FEDERAL SUPPLY SCHEDULE  
TERMS AND CONDITIONS**

## **GSA Schedule 70 Contract 47QTCA19D00HG**

### **Signal Mountain Networks, Inc.**



<b>Headquarters Office</b>	<b>Contract Administrator</b>
2320 Chamblee Tucker Road	Mr. Luis Valenzuela
Atlanta, GA 30341	Director of Business Development
Office: (678) 867-0793	678-262-7009
Fax: (844) 474-4686	<a href="mailto:luis.valenzuela@signalmountain.com">luis.valenzuela@signalmountain.com</a>
<a href="http://www.signalmountain.com">www.signalmountain.com</a>	GSA IT 70 Schedule: GS-35F-0056S



#### Use and Disclosure of Data

This document includes data that shall not be disclosed outside of Signal Mountain Networks, Inc. or by procurement government officials and shall not be duplicated, used, or disclosed -- in whole or in part-- for any purpose other than to evaluate terms and conditions

**Signal Mountain Networks, Inc.  
GSA Contract 47QTCA19D00HG**

Online access to contract ordering information, terms and conditions, pricing, and the option to create an electronic delivery order is available through GSA Advantage!, <http://www.gsaadvantage.gov>

**SCHEDULE TITLE: IT Schedule 70 – GENERAL PURPOSE COMMERCIAL INFORMATION TECHNOLOGY EQUIPMENT, SOFTWARE, AND SERVICES**

**CONTRACT NUMBER: 47QTCA19D00HG**

**CONTRACT PERIOD: August 13, 2019 – August 14, 2024**

Additional Federal Supply Schedules ordering information may be found at <http://www.fss.gsa.gov>

**CONTRACTOR: Signal Mountain Networks, Inc.  
2320 Chamblee Tucker Road  
Atlanta, GA 30341-3447**

**Phone number: (678) 867-0793**

**BUSINESS SIZE: Small Business, VOSB, HUBZone**

## Table of Contents

---

CONTRACT INFORMATION:	1
1a. TABLE OF AWARDED SPECIAL ITEM NUMBERS (SINs)	1
1b. LOWEST PRICED MODEL NUMBER AND PRICE FOR EACH SIN:	1
3. MINIMUM ORDER: None	6
4. GEOGRAPHIC COVERAGE:	6
5. POINT(S) OF PRODUCTION: Atlanta, GA, USA	6
6. TERMS REGARDING MANUFACTURERS' END-USER LICENSE AGREEMENTS (FOR SOFTWARE ONLY):	6
7. BASIS OF AWARD CONTRACT TERMS:	6
8. PROMPT PAYMENT TERMS: Net 30	6
9.a. Government Purchase Cards are accepted at or below the micro-purchase threshold.	6
9.b. Government Purchase Cards are accepted above the micro-purchase threshold.	7
10. FOREIGN ITEMS/TRADE AGREEMENTS ACT COMPLIANCE:	7
11a. TIME OF DELIVERY:	7
11b. EXPEDITED DELIVERY:	7
11c. OVERNIGHT AND 2-DAY DELIVERY:	7
11d. URGENT REQUIRMENTS:	7
12. FOB POINT:	7
13a. ORDERING ADDRESS:	7
13b. ORDERING PROCEDURES:	7
14. PAYMENT ADDRESS:	8
15. WARRANTY PROVISION:	8
16. EXPORT PACKING CHARGES:	8
17. TERMS AND CONDITIONS OF GOVERNMENT PURCHASE CARD ACCEPTANCE:	8
18. TERMS AND CONDITIONS OF RENTAL, MAINTENANCE, AND REPAIR:	8
19. TERMS AND CONDITIONS OF INSTALLATION:	8
20a. TERMS AND CONDITIONS OF REPAIR PARTS:	8
20b. TERMS AND CONDITIONS FOR ANY OTHER SERVICES:	8
21. LIST OF SERVICE AND DISTRIBUTION POINTS (IF APPLICABLE):	8
22. LIST OF PARTICIPATING DEALERS (IF APPLICABLE):	8
23. PREVENTIVE MAINTENANCE:	8
24a. SPECIAL ATTRIBUTES SUCH AS ENVIRONMENTAL ATTRIBUTES	8
24b. SECTION 508 COMPLIANCE FOR EIT:	9
24. DUNS NUMBER:	9
25. NOTIFICATION REGARDING REGISTRATION IN SAM:	9
CATALOG PRICE LIST	9
EXHIBIT A	
SIN 132-8 PURCHASE OF NEW EQUIPMENT	10
EXHIBIT B	
SIN 132-12 MAINTENANCE OF EQUIPMENT, REPAIR SERVICES AND/OR	

**Signal Mountain Networks, Inc.**  
**GSA Contract 47QTCA19D00HG**

REPAIR/SPARE PARTS.....	26
EXHIBIT C	
SIN 132-51 IT PROFESSIONAL SERVICES .....	<a href="#">288</a>
EXHIBIT D	
SIN 132-52 ELECTRONIC COMMERCE SERVICES.....	<a href="#">299</a>
EXHIBIT E	
SIN 132-54 COMSATCOM TRANSPONDED CAPACITY .....	29
EXHIBIT F	
SIN 132-55 COMSATCOM SUBSCRIPTION SERVICES.....	<a href="#">322</a>

**CONTRACT INFORMATION:**

---

**1a. TABLE OF AWARDED SPECIAL ITEM NUMBERS (SINs)**

SIN	Description
132-8	Purchase of New Equipment
132-12	Maintenance of Equipment, Repair Services and/or Repair / Spare Parts
132-51	IT Professional Services
132-52	Electronic Commerce Services
132-54	COMSATCOM Transponded Capacity
132-55	COMSATCOM Subscription Services

**1b. LOWEST PRICED MODEL NUMBER AND PRICE FOR EACH SIN:**

(Government price based on a unit of one)

SIN	Description	Price
132-8	Non Penetrating Mount 1.2M Antenna	\$123.32
132-12	RMA Extended Warranty iDirect 3XXX	\$52.39

**1c. SIN 132-51 LABOR CATEGORIES: Job Title, Education, Minimum Experience, Functional Responsibility**

**A. SENIOR NETWORK ENGINEER**

Item 5010002

Minimum / General Experience: Minimum of seven (7) years of experience in assisting or managing the development, design, implementation and maintenance of complex cross-platform networks and communications systems.

Functional Responsibility: Practice of demonstrated experience with LAN/WAN, switches, routers, satellite devices, accelerators, SIPR/NIPR and other ancillary systems, protocols and standards. Creates test plans and generates and maintains reporting documentation and planning documents.

Minimum Education:

- Bachelor's degree in Engineering or Science field and minimum 7 years of demonstrated and relevant experience in the field; or
- Associate's degree in Engineering or Science field and minimum 10 years of demonstrated and relevant experience in the field; or
- Demonstrated equivalence of twelve (12) year experience in multi-platform environments, plus combination of relevant certifications by recognized manufacturers of technical education institutions including iDirect Satellite 101,

Operations & Maintenance, Hub Configuration, AvL Technologies Operations & Maintenance, and Cisco Networking certifications.

Must have completed Signal Mountain Networks "Quality Plus" installation training course.

**B. IT PROJECT MANAGER**

Item 5010003

Minimum / General Experience: Seven (7) years of experience in leading/managing multi-disciplinary teams in the implementation or solving of complex technological problems/systems.

Functional Responsibility: Provides leadership for engineering activities in a specialized engineering or technology subject area and is versatile in using and developing tools and strategies to maximize technical and human resources

Minimum Education:

- Bachelor's degree in Engineering or Science field and minimum 7 years of demonstrated and relevant experience in the field; or
- Associate's degree in Engineering or Science field and minimum 10 years of demonstrated and relevant experience in the field; or
- Demonstrated equivalence of twelve (12) years of experience in multi-platform environments (voice, data, video, satellite, terrestrial), particularly with satellite communications integration/IT integration, combination of relevant certifications by recognized manufacturers with technical education programs such as iDirect, AvL, ComTech, and Cisco, understanding and experience with government systems, regulations and procedures.

Must have completed Signal Mountain Networks "Quality Plus" installation training course.

**C. SENIOR SYSTEMS ENGINEER**

Item 5010004

Minimum / General Experience: Minimum of ten (10) years of experience in managing the development, design, implementation and maintenance of complex cross-platform networks and communications systems.

Functional Responsibility: Practice of demonstrated experience in designing, configuring, implementing, upgrading and maintaining satellite hubs and their interface with LAN/WAN devices and applications, SIPR/NIPR and other ancillary systems, protocols and standards according to organizational mission strategies, financial and operational requirements. Creates and executes management plans to successfully implement systems architectures and is experienced in effectively interacting with C-level management, Project Managers and Subject Matter Experts.

Minimum Education:

- PHD-level degree in Engineering or Science field and minimum 8 years of demonstrated and relevant experience in the field; or
- Master's degree in Engineering, or Science field and minimum 10 years of demonstrated and relevant experience in the field; or
- Bachelor's degree in Engineering or Science field and minimum 12 years of demonstrated and relevant experience in the field; or
- Associate's degree in Engineering or Science field or equivalent and minimum 15 years of demonstrated and relevant experience in managing multi-platform system architectures (Satellite+Terrestrial 2/3 Layer, enterprise applications, voice, video), plus combination of relevant certifications by recognized manufacturers with technical education programs including iDirect Satellite 101/201, Operations & Maintenance, Hub Configuration & Implementation, AVL Technologies Operations & Maintenance, and Cisco Networking certifications.

Must have completed Signal Mountain Networks "Quality Plus" installation training course

**D. IT PROGRAM MANAGER**

Item 5010005

**MILTIDISCIPLINARY**

Minimum / General Experience: Seven to ten (7-10) years of experience in leading/managing teams in the implementation or solving of complex technological problems/systems.

Functional Responsibility: Provides leadership for engineering activities in a specialized engineering or technology subject area and is versatile in using and developing tools and strategies to maximize technical and human resources

Minimum Education:

- Bachelor's degree in Engineering or Science field and minimum 7 years of demonstrated and relevant experience in the field; or
- Associate's degree in Engineering or Science field and minimum 10 years of demonstrated and relevant experience in the field; or
- Demonstrated equivalence of twelve (10) year experience in multi-platform environments (voice, data, video, satellite, terrestrial), particularly with satellite communications integration/IT integration, combination of relevant certifications by recognized manufacturers of technical education institutions such as iDirect, AvL, ComTech, and Cisco, understanding and experience with government systems, regulations and procedures, as well as PMP and MPA certifications

Must have completed Signal Mountain Networks "Quality Plus" installation training course.

E. **SUBJECT MATTER EXPERT 1**

Item 5010006

Minimum / General Experience: More than ten (10) year experience creating complex systems or managing and solving complex challenges in system architectures with industry-wide reputation for proficiency in a relevant technical area.

Functional Responsibility: Provides leadership for engineering activities in a specialized engineering or technology subject area and is versatile in using and developing tools and strategies in state-of-the-art simulation environments, laboratories, and test facilities to create new products, services and solution using scientific methods, as well as to solve complex challenges.

Minimum Education:

- PHD-level degree, specialist or doctorate in Engineering or Science field and more than 10 years of demonstrated and relevant experience in the field; or
- Master's degree in Engineering or Science field and more than 12 years of demonstrated and relevant experience in the field; or
- Bachelor's degree in Engineering or Science field and more than 14 years of demonstrated and relevant experience in the field; or
- Combination of Associate's degree in Engineering or Science field, more than 16 years of demonstrated and relevant experience in managing multi-platform system architectures (Satellite+Terrestrial 2/3 Layer, enterprise applications, voice, video), plus combination of relevant certifications by recognized manufacturers with technical education programs including iDirect Satellite 101/201, Operations & Maintenance, Hub Configuration & Implementation, AvL Technologies Operations & Maintenance, and Cisco Networking certifications.

Must have completed Signal Mountain Networks "Quality Plus" installation training course.

F. **ENGINEER**

Item 5010300

Minimum / General Experience: Minimum of one (1) year experience installing and maintaining field fixed and mobile satellite systems, keen attention to detail and punctuality essential to successful performance of job. Courteous and professional in interaction with customers.

Functional Responsibility: Install fixed and mobile satellite systems, including cabling, signal strength evaluation, quality check, placement of roof and pole mounts, operation of power tools. Maintenance tasks include thorough testing, repair and replacement of system components. Coordinates with Signal Mountain support desk personnel and customers during initial installation and onsite dispatches.

Minimum Education:

**Signal Mountain Networks, Inc.  
GSA Contract 47QTCA19D00HG**

- High school diploma with secondary technical education desired.

Must have completed Signal Mountain Networks “Quality Plus” installation training course

**G. FIELD TECHNICIAN**

Item 5010500

Minimum / General Experience: Minimum of three (3) year experience installing and maintaining field fixed and mobile satellite systems, keen attention to detail and punctuality essential to successful performance of job. Courteous and professional in interaction with customers.

Functional Responsibility: Install fixed and mobile satellite systems, including cabling, signal strength evaluation, quality check, placement of roof and pole mounts, operation of power tools. Maintenance tasks include thorough testing, repair and replacement of system components. Coordinates with Signal Mountain support desk personnel and customers during initial installation and onsite dispatches.

Minimum Education:

- High school diploma with secondary technical education desired

Must have completed Signal Mountain Networks “Quality Plus” installation training course.

**SIN 132-51 LABOR CATEGORY RATES**

SIN	NUMBER	JOB TITLE	GSA Price (Including IFF)	QUANTITY/ VOLUME DISCOUNT
132-51	5010002	Network Engineer	\$129.22	None
132-51	5010003	IT Project Manager	\$139.92	None
132-51	5010004	Senior Systems Engineer	\$179.95	None
132-51	5010005	IT Program Manager	\$180.91	None
132-51	5010006	Subject Matter Expert I	\$224.94	None
132-51	5010300	Engineer	\$44.22	None
132-51	5010500	Field Technician	\$50.25	None



**purchase threshold.**

**9.b. Government Purchase Cards are accepted above the micro- purchase threshold.**

**10. FOREIGN ITEMS/TRADE AGREEMENTS ACT COMPLIANCE:**

None; the items herein are TAA Compliant. The information used by the Contracting Officer to make this determination was provided by the vendor and verified using all information available to the Government.

**11a. TIME OF DELIVERY:**

30 DARO

**11b. EXPEDITED DELIVERY:**

Consult with Contractor

**11c. OVERNIGHT AND 2-DAY DELIVERY:**

Consult with Contractor

**11d. URGENT REQUIRMENTS:**

Agencies can contact the Contractor's representative to affect a faster delivery. Customers are encouraged to contact the contractor for the purpose of requesting accelerated delivery.

**12. FOB POINT:**

Destination

Note: All travel required in the performance of this contract and orders placed hereunder must comply with the Federal Travel Regulations (FTR) or Joint Travel Regulations (JTR), as applicable, in effect on the date(s) the travel is performed. Established Federal Government per diem rates will apply to all contractor travel. Contractors cannot use GSA city pair contracts. The contractor shall not add the Industrial Funding Fee onto travel costs. (FOB Terms noted above)

**13a. ORDERING ADDRESS:**

Same as Contractor's address.

**13b. ORDERING PROCEDURES:**

For supplies and services, the ordering procedures, information on Blanket Purchase Agreements (BPA's) are found in Federal Acquisition Regulation (FAR) 8.405-3.

**14. PAYMENT ADDRESS:**

Same as Contractor's address.

**15. WARRANTY PROVISION:**

Standard Commercial Warranty. Customers should contact the contractor for a copy of the warranty.

**16. EXPORT PACKING CHARGES:**

Not Applicable

**17. TERMS AND CONDITIONS OF GOVERNMENT PURCHASE CARD ACCEPTANCE:**

Accepted at or below and above the micro-purchase level.

**18. TERMS AND CONDITIONS OF RENTAL, MAINTENANCE, AND REPAIR (IF APPLICABLE):**

Not Applicable

**19. TERMS AND CONDITIONS OF INSTALLATION (IF APPLICABLE):**

Not Applicable

**20a. TERMS AND CONDITIONS OF REPAIR PARTS INDICATING DATE OF PARTS PRICE LISTS AND ANY DISCOUNTS FROM LIST PRICES (IF AVAILABLE):**

Not Applicable

**20b. TERMS AND CONDITIONS FOR ANY OTHER SERVICES (IF APPLICABLE):**

Not Applicable

**21. LIST OF SERVICE AND DISTRIBUTION POINTS (IF APPLICABLE):**

Not Applicable

**22. LIST OF PARTICIPATING DEALERS (IF APPLICABLE):**

Not Applicable

**23. PREVENTIVE MAINTENANCE (IF APPLICABLE):**

Not Applicable

**24a. SPECIAL ATTRIBUTES SUCH AS ENVIRONMENTAL ATTRIBUTES (e.g.**

recycled content, energy efficiency, and/or reduced pollutants):

Not Applicable

**24b. SECTION 508 COMPLIANCE FOR EIT:**

Not Applicable

**24. DUNS NUMBER:**

130105724

**25. NOTIFICATION REGARDING REGISTRATION IN SAM:**

Contractor is registered and valid in SAM until 05 AUG 2020.

**CATALOG PRICE LIST**

The itemized price list Signal Mountain Networks, Inc. for this contract may be obtained from:

Luis Valenzuela, 678-867-0793, [luis.valenzuela@signalmountain.com](mailto:luis.valenzuela@signalmountain.com)

## EXHIBIT A

### SIN 132-8 PURCHASE OF NEW EQUIPMENT

SIN	MFR NAME	MFR PART NO	PRODUCT DESCRIPTION	UOI	QUANTITY/ VOLUME DISCOUNT	WTY	COO
132-8	Signal Mountain	1012101	08x08-VTR-50-XXXX, (Matrix/Router), 8 x 8 Victor IF / L-band Matrix Router ETL's new Victor Series of IF through L-band matrices, operate over the 50-2150MHz frequency range and provide a full fan-out high performance 8x8 matrix with local and remote control in a very compact form factor.	Each	None	1 year	US
132-8	Signal Mountain	1012102	16x16-VTR-50-XXXX, (Matrix/Router), 16 x 16 Victor IF / L-band Matrix Router ETL's new Victor Series of IF through L-band matrices, operate over the 50-2150MHz frequency range and provide a full fan-out high performance 16x16 matrix with local and remote control in a very compact form factor.	Each	None	1 year	US
132-8	Signal Mountain	1012103	08x08-VTR-10-XXXX, (Matrix/Router), 8 x 8 Victor IF / L-band Matrix Router ETL's new Victor Series of IF through L-band matrices, operate over the 50-2150MHz frequency range and provide a full fan-out high performance 8x8 matrix with local and remote control in a very compact form factor. LNB Powering.	Each	None	1 year	US
132-8	Signal Mountain	1012104	16x16-VTR-10-XXXX, (Matrix/Router), 16 x 16 Victor IF / L-band Matrix Router ETL's new Victor Series of IF through L-band matrices, operate over the 50-2150MHz frequency range and provide a full fan-out high performance 16x16 matrix with local and remote control in a very compact form factor. LNB Powering.	Each	None	1 year	US
132-8	Signal Mountain	1012105	16x32-VTL-10-XXXX, (Matrix/Router), 16 x 32 Hot-Swap L-Band Matrix/ Router With LNB powering, hot-swap power supplies, CPU & RF Cards ETL's new matrix VALIANT offers 16 inputs and 32 outputs in a compact hot-swap configuration. This new design of matrix is ideal for smaller broadcast, satellite ground stations, providing the flexibility of RF routing. The matrix can be used for L-band, IF, and broadband signals.	Each	None	1 year	US
132-8	Signal Mountain	1012106	16x16-NGM-21-xxx, (Matrix/Router), ETL's popular high performance Enigma L-band distributive matrix evolves to set new benchmarks for RF performance and leading edge technologies. The NGMs come in combining as well as distributive configurations.	Each	None	1 year	US
132-8	Signal Mountain	1012107	16x32-NGM-21-XXXX, (Matrix/Router), Enigma L-band Switch Matrix / Router 16 x 32. L-band signal switch matrix router. This configuration is based on the NGM-21 switch matrices	Each	None	1 year	US
132-8	Signal Mountain	1012108	32x32-NGM-21-XXXX, (Matrix/Router), Enigma L-band Switch Matrix / Router 32 x 32. L-band signal switch matrix router. ETL's popular high performance Enigma L-band distributive matrix evolves to set new benchmarks for RF performance and leading	Each	None	1 year	US

Signal Mountain Networks, Inc. GSA Contract 47QTCA19D00HG

SIN	MFR NAME	MFR PART NO	PRODUCT DESCRIPTION	UOI	QUANTITY/ VOLUME DISCOUNT	WTY	COO
132-8	Signal Mountain	1012109	23178, (IF & L-Band Switches), 8 x 1 IF / L-band LS Series Switch with Local & Remote Control (Via RS232/422/485 and RJ45 Ports). This 16x1 IF through L-band switch operates over the 50- 2150MHz frequency range. The unit can be locally controlled using the keypad and display on the front panel, and remotely controlled via a Serial or Ethernet port on the rear panel.	Each	None	1 year	US
132-8	Signal Mountain	1012110	23179, (IF & L-Band Switches), 16 x 1 IF / L-band LS Series Switch with Local & Remote Control (Via RS232/422/485 and RJ45 Ports). This 16x1 IF through L-band switch operates over the 50- 2150MHz frequency range. The unit can be locally controlled using the keypad and display on the front panel, and remotely controlled via a Serial or Ethernet port on the rear panel.	Each	None	1 year	US
132-8	Signal Mountain	1012111	23180, (IF & L-Band Switches), 32 x 1 IF / L-band LS Series Switch with Local & Remote Control (Via RS232/422/485 and RJ45 Ports). This 16x1 IF through L-band switch operates over the 50- 2150MHz frequency range. The unit can be locally controlled using the keypad and display on the front panel, and remotely controlled via a Serial or Ethernet port on the rear panel.	Each	None	1 year	US
132-8	Signal Mountain	1012112	22420-OPT-R, (Splitter/Combiners), 8-way Single L-band Active Dextra Series Combiner with dual redundant amplifiers (OPT-R version), switchable LNB powering & -20 dB monitoring port. The Dextra combiner range has been designed for high resilience RF distribution, and optimum satellite signal quality. The combiners benefit from excellent RF performance and compact form factor as well as advanced functionality.	Each	None	1 year	US
132-8	Signal Mountain	1012113	22422-OPT-R, (Splitter/Combiners), 16-way Single L-band Active Dextra Series Combiner with dual redundant amplifiers (OPT-R version), switchable LNB powering & -20 dB monitoring port. The Dextra combiner range has been designed for high resilience RF distribution, and optimum satellite signal quality. The combiners benefit from excellent RF performance and compact form factor as well as advanced functionality.	Each	None	1 year	US
132-8	Signal Mountain	1012114	22412-OPT-R, (Splitter/Combiners), 8-way Single L-band Active Dextra Series Splitter with dual redundant amplifiers (OPT-R version), switchable LNB powering & -20 dB monitoring port. The Dextra splitter range has been designed for high resilience RF distribution, and optimum satellite signal quality. The splitters benefit from excellent RF performance and compact form factor as well as advanced functionality.	Each	None	1 year	US
132-8	Signal Mountain	1012115	22414-OPT-R, (Splitter/Combiners), 16-way Single L-band Active Dextra Series Splitter with dual redundant amplifiers (OPT-R version), switchable LNB powering & -20 dB monitoring port. The Dextra splitter range has been designed for high resilience RF distribution, and optimum satellite signal quality. The splitters benefit from excellent RF performance and compact form factor as well as advanced functionality.	Each	None	1 year	US

Signal Mountain Networks, Inc. GSA Contract 47QTCA19D00HG

SIN	MFR NAME	MFR PART NO	PRODUCT DESCRIPTION	UOI	QUANTITY/ VOLUME DISCOUNT	WTY	COO
132-8	Signal Mountain	1012116	26128 Chassis, (Modular System), Modular System - Flexible and resilient L-band signal management. ETL's Modular System offers total flexibility in managing L-band signals. It is particularly well suited to equalising signals – offering adjustable gain and slope – but also splitting/combining and redundancy switching. The system comprises a chassis which accommodates up to 16 RF modules. These are constructed from ETL's high performance technology building blocks and can be inserted while the shelf is in service giving excellent levels of flexibility and resilience.	Each	None	1 year	US
132-8	Signal Mountain	1012117	DIV-807 - Card, (Modular System), 8-way L-band splitter with variable gain, variable slope & LNB powering for ETL 26128 Modular System. RF Module 26128-DIV807: L-band variable gain and variable slope compensation 8- way splitter with (13/18V and 22KHz tone option) LNB powering and LNB current monitoring. The RF modules are fully hot	Each	None	1 year	US
132-8	Signal Mountain	1012118	26128-DIV807, (Modular System), Complete populated	Each	None	1 year	US
132-8	Signal Mountain	1012119	AMP-114 - Card, (Modular System), L-band dual redundant high isolation line amplifier with variable gain. RF Module 26128-AMP114: L-band dual redundant line amplifier with high isolation and variable gain. The RF modules are fully hot swappable.	Each	None	1 year	US
132-8	Signal Mountain	1012120	26128-AMP114, (Modular System), Complete populated	Each	None	1 year	US
132-8	Signal Mountain	1012121	DIV-407 - Card, (Modular System), 4-way L-band splitter with variable gain, variable slope & LNB powering for ETL 26128 Modular System. RF Module 26128-DIV407: L-band variable gain and variable slope compensation 4- way splitter with (13/18V and 22KHz tone option) LNB powering and LNB current monitoring. The RF modules are fully hot	Each	None	1 year	US
132-8	Signal Mountain	1012122	26128-DIV407, (Modular System),	Each	None	1 year	US
132-8	Signal Mountain	1012123	ALT-C303-2U, (Amplifier Chassis), Capacity 3 Modules. 2+1 configurable redundancy. Dual redundant, hot-swap power supplies.	Each	None	1 year	US
132-8	Signal Mountain	1012124	ALT-C304-2U, (Amplifier Chassis), Capacity 6 Modules. 4+2 Configurable redundancy. Dual redundant, hot-swap power supplies.	Each	None	1 year	US
132-8	Signal Mountain	1012125	ALT-C301-1U, (Amplifier Chassis), Capacity 2 Modules. Passive splitter with 2x2 transfer switch on output. Dual Redundant, hot-swap power supplies.	Each	None	1 year	US
132-8	Signal Mountain	1012126	ALT-C300-1U, (Amplifier Chassis), Capacity 2 Modules. Auto switch before & after amplifiers. Dual redundant, hot-swap power supplies.	Each	None	1 year	US
132-8	Signal Mountain	1012127	ALT-C201-2U, (Amplifier Chassis), Capacity 16 Modules. Dual Redundant Power Supplies. Front Panel Monitoring Display.	Each	None	1 year	US
132-8	Signal Mountain	1012128	ALT-C204-2U, (Amplifier Chassis), Capacity 16 Modules. Dual Redundant, hot-swap power supplies. Front Panel Monitoring Display.	Each	None	1 year	US

Signal Mountain Networks, Inc. GSA Contract 47QTCA19D00HG

SIN	MFR NAME	MFR PART NO	PRODUCT DESCRIPTION	UOI	QUANTITY/ VOLUME DISCOUNT	WTY	COO
132-8	Signal Mountain	1012129	ALT-R-L1-012, (Amplifier Card), Can be used with ALT-C304 & ALT-C303 chassis. 2+1 Redundant Amplifier Configurable 10-40 dB variable gain 0-5 dB slope compensation Local & remote control (Front panel display & Ethernet).	Each	None	1 year	US
132-8	Signal Mountain	1012130	ALT-R-L1-006, (Amplifier Card), Can be used with ALT-C300, ALT-C301, ALT-C302 chassis. 1:1 Redundant Amplifier Passive splitter, 2x2 transfer switch on output with monitoring 6-36 dB variable gain 0-8 dB slope compensation Local & remote control (Front panel display & Ethernet)	Each	None	1 year	US
132-8	Signal Mountain	1012131	ALT-S-L1-002, (Amplifier Card), Can be used with ALT-C200, ALT-C201, ALT-C202 chassis. 16 module 8-38 dB variable gain 0-8 dB slope compensation Local & remote control (Front panel display & Ethernet)	Each	None	1 year	US
132-8	Signal Mountain	1012132	ALT-S-L1-005, (Amplifier Card), Can be used with ALT-C204. 16 module 0-20 dB variable gain 0-8 dB slope compensation Local & remote control (Front panel display & Ethernet)	Each	None	1 year	US
132-8	Signal Mountain	1012133	SRV-C100-1U - StingRay 16 module, 1U chassis. Includes Front Mounted Hot Swap PSUs, local and remote control/monitoring. Single IEC.	Each	None	1 year	US
132-8	Signal Mountain	1012134	SRV-RX-L1-104-xxx - 1100 to 1650 nm optical receiver to L-band (850-2450) 10km nom range with TX-L1-103. Available in FC/APC & SC/APC optical connectors.	Each	None	1 year	US
132-8	Signal Mountain	1012135	VTX-10-B7B7-6464 - Distributive, L-band matrix router opulated with 64 inputs and 64 ouputs in an 8U 19" shelf. Dual redundant hot-swap CPU, PSUs and marix cards. Variable gain, locally controlled via touch screen and display on front panel; remotely controlled via RS232/RS485 serial and RJ45 ethernet ports including SNMP and web browser interface	Each	None	1 year	US
132-8	Signal Mountain	1012136	VCN-10-B7B7-128128 - Distributive L-band matrix router, 16U in 19" shelf. Dual redundant hot-swap CPU and power supplies; hot-swap matrix cards. This unit is locally controlled via touch screen on the front panel; and remotely controlled via RS232/RS485 and RJ45 ethernet ports.	Each	None	1 year	US
132-8	Signal Mountain	1012137	04x04-VTR-70-XXXX Switch Matrices	Each	None	1 year	US
132-8	Signal Mountain	1012138	22418-OPT-R (Dextra Series Combiner)	Each	None	1 year	US
132-8	Signal Mountain	1012139	22419-OPT-R (Dextra Series Combiner)	Each	None	1 year	US
132-8	Signal Mountain	1012140	22421-OPT-R (Dextra Series Combiner)	Each	None	1 year	US
132-8	Signal Mountain	1012141	22410-OPT-R (Dextra Series Splitter)	Each	None	1 year	US
132-8	Signal Mountain	1012142	22411-OPT-R (Dextra Series Splitter)	Each	None	1 year	US

Signal Mountain Networks, Inc. GSA Contract 47QTCA19D00HG

SIN	MFR NAME	MFR PART NO	PRODUCT DESCRIPTION	UOI	QUANTITY/ VOLUME DISCOUNT	WTY	COO
132-8	Signal Mountain	1012143	22413-OPT-R (Dextra Series Splitter)	Each	None	1 year	US
132-8	Signal Mountain	1012144	ALT-C309-1U (Alto Redundant Amplifier Chassis), 1+1 or dual channel (2 modules). 2x2 transfer switch before & after amplifiers with monitoring	Each	None	1 year	US
132-8	Signal Mountain	1012145	ALT-C310-1U (Alto Redundant Amplifier Chassis)	Each	None	1 year	US
132-8	Signal Mountain	1012146	SRY-C-101-1U (StingRay RF over Fiber - 100 series) - Up to 12 -, SRY-C101-1U - StingRay 12 module, 1U chassis. Includes Front Mounted. Dual redundant Hot Swap PSU's, local and remote control/monitoring. Dual IFC	Each	None	1 year	US
132-8	Signal Mountain	1012147	SRY-C-102-2U (StingRay RF over Fiber - 100 series) - Up to 12 -, SRY-C102-2U - StingRay 32 module, 2U chassis. Includes Front Mounted. Dual redundant Hot Swap PSU's, local and remote control/monitoring. Dual IFC	Each	None	1 year	US
132-8	Signal Mountain	1012148	SRY-C-103-1U (StingRay RF over Fiber - 100 series) - Up to 12 -, SRY-C103-1U - StingRay 12 module, 1U chassis. Includes Front Mounted. Dual redundant NOT Hot Swap PSU's, local and remote control/monitoring. Dual IFC	Each	None	1 year	US
132-8	Signal Mountain	1012149	SRY-TX-L1-103 (StingRay Fiber Module - 100 series) Transmit - LNB Single, 850 to 2450 MHz (L- band) - , SRY-TX-L1-103-xxx - 1310 +/- 10 nm optical transmitter to L-band (850-2450) 10km nominal range with BX L1-104. Available in FC/APC & SC/APC optical connectors	Each	None	1 year	US
132-8	Signal Mountain	1012150	SRY-TX-B2-105 (StingRay Fiber Module - 100 series) Transmit - LNB Single, 50 to 2450 MHz (Broadband) - , SRY-TX-B2-105-xxx - 1310 +/- 10 nm optical transmitter to Broadband (50-2450) 10km nominal range with BX B2-106. Available in FC/APC & SC/APC optical connectors	Each	None	1 year	US
132-8	Signal Mountain	1012151	SRY-RX-B2-106-xxx (StingRay Fiber Module - 100 series) Receive - LNB Single, 50 to 2450 MHz (Broadband), SRY-RX-B2-106-xxx - 1100 to 1650 nm optical receiver to Broadband (50-2450) 10km nominal range with TX B2-105. Available in FC/APC & SC/APC optical connectors	Each	None	1 year	US
132-8	Signal Mountain	1012152	SRY-TX-Y-107-xxxx (StingRay Fiber Module - 100 series) 10MHz TX -, 10 MHz reference optical transmitter, 1310nm, DFB laser 10km nominal range. Available in FC/APC & SC/APC optical connectors	Each	None	1 year	US
132-8	Signal Mountain	1012153	SRY-RX-Y-108-xxxx (StingRay Fiber Module - 100 series) 10MHz TX -, 10 MHz reference optical receiver 1100 to 1650 nm, 10km nominal range. Available in FC/APC & SC/APC optical connectors	Each	None	1 year	US
132-8	Signal Mountain	1012154	SRY-C200-1U (StingRay Fiber Module - 200 series) Up to 4 -, Dual redundandant hot swap power supplies	Each	None	1 year	US
132-8	Signal Mountain	1012155	SRY-C201-2U (StingRay Fiber Module - 200 series) Up to 16	Each	None	1 year	US
132-8	Signal Mountain	1012156	SRY-C205-2U (StingRay Fiber Module - 200 series) Up to 16 -, 10 MHz injection chassis, 16 module, 2U High, Dual hot swap PSU with switchable LNB power.	Each	None	1 year	US
132-8	Signal Mountain	1012157	SRY-ODU200 (outdoor Unit) (StingRay Fiber Module - 200 series) Up to 1 -, Weatherproof (IP65) housing for up to 10 off 200 series modules, dual hot swap PSU, local & remote control, hot swap CPU, internal fibre and RF patch panels. +45/55 C dependent on load	Each	None	1 year	US
132-8	Signal Mountain	1012158	SRY-ODU201 (outdoor unit) (StingRay Fiber Module - 200 series) Up to 10 -, Weatherproof (IP65) housing for up to 10 off 200 series modules, dual hot swap PSU, switchable LNB powering, local & remote control, hot swap CPU, internal fibre and RF	Each	None	1 year	US

Signal Mountain Networks, Inc. GSA Contract 47QTC A19D00HG

SIN	MFR NAME	MFR PART NO	PRODUCT DESCRIPTION	UOI	QUANTITY/ VOLUME DISCOUNT	WTY	COO
132-8	Signal Mountain	1012159	SRY-TX-L1-201-xxxxxx (StingRay Fiber Module - 200 series) TX & 20dB Monitor -, L-band (850- 2450) to 1310nm optical transmitter, DFB laser with two stage optical isolator, 10km nominal range, with 22KHz and 12V/18V switchable LNR power of 500 mA, and with 20dB coupled output RF monitoring port. Available in FC/APC & SC/APC optical connectors.	Each	None	1 year	US
132-8	Signal Mountain	1012160	SRY-RX-L1-202-xxxxxx (StingRay Fiber Module - 200 series) RX & 20dB Monitor -, 1100 to 1650 nm optical receiver to L-band (850 to 2450MHz), 10km nominal range with 20dB coupled output RF monitoring port. Available in FC/APC & SC/APC optical connectors.	Each	None	1 year	US
132-8	Signal Mountain	1012161	SRY-TX-L1-205-xxxxxx (StingRay Fiber Module - 200 series) Twin Tx -, Twin L-band (850- 2450) to 1310nm optical transmitter, DFB laser with two stage optical isolator, 10km nominal range, with 22KHz and 12V/18V switchable LNR power up to 500 mA per channel.	Each	None	1 year	US
132-8	Signal Mountain	1012162	SRY-RX-L1-206-xxxxxx (StingRay Fiber Module - 200 series) Twin RX -, Twin 1100 to 1650 nm optical receiver to L-band (850 to 2450MHz), 10km nominal range. Available in FC/APC & SC/APC optical connectors.	Each	None	1 year	US
132-8	Signal Mountain	1012163	SRY-TX-B2-207-xxxxxx (StingRay Fiber Module - 200 series) Twin Tx -, Twin broadband (50-2450) to 1310nm optical transmitter, DFB laser with two stage optical isolator, 10km nominal range, with 22KHz and 12V/18V switchable LNR power up to 500 mA per channel.	Each	None	1 year	US
132-8	Signal Mountain	1012164	SRY-RX-B2-208-xxxxxx (StingRay Fiber Module - 200 series) Twin RX -, Twin 1100 to 1650 nm optical receiver to broadband (50 to 2450MHz), 10km nominal range. Available in FC/APC & SC/APC optical connectors.	Each	None	1 year	US
132-8	Signal Mountain	1012165	SRY-TX-Y-211-xxxxxx (StingRay Fiber Module - 200 series) 10 MHz Tx -, 10 MHz reference optical transmitter, 1310nm, DFB laser 10km nominal range, with 20dB coupled input RF monitoring port. Available in FC/APC & SC/APC optical connectors.	Each	None	1 year	US
132-8	Signal Mountain	1012166	SRY-RX-Y-212-xxxxxx (StingRay Fiber Module - 200 series) 10MHz RX -, 10 MHz reference optical receiver 1100 to 1650 nm, 10km nominal range with 20dB coupled output RF monitoring port. Available in FC/APC & SC/APC optical connectors.	Each	None	1 year	US
132-8	Signal Mountain	1012167	SRY-DIV-L1-213-xxxxxx (StingRay Fiber Module - 200 series) Divider -, L-band, 850 to 2450MHz hot swap active splitter, with unity gain and DC pass between the output and common ports. The module occupies one slot in a 200 series StingRay chassis. Supplied with two link cables.	Each	None	1 year	US
132-8	Signal Mountain	1012168	SRY-SW-L1-214-xxxxxx (StingRay Fiber Module - 200 series) Switch -, L-band, 850 to 2450MHz hot swap, redundancy switch operating over -10 to -30dBm mean power. The module incorporates RF detection at each of its input ports and switches over if the level is outside the predefined range. It occupies one slot in a 200 series StingRay chassis.	Each	None	1 year	US
132-8	Signal Mountain	1012169	SRY-SW-L1-220-xxxxxx (StingRay Fiber Module - 200 series) Switch -, 10MHz reference hot swap, redundancy switch operating over -10 to +10dBm mean power. The module incorporates RF detection at each of its input ports and switches over if the level is outside the predefined range. It occupies one slot in a 200 series StingRay chassis.	Each	None	1 year	US
132-8	Signal Mountain	1010010	Fixed Satellite System Kit - (3100-12) iDirect 3100 iNFINITI: system features iDirect 3100 Ku Band modem (does not support 3DES or AES; can support up to 4Mb transmit / 18Mb receive throughput), 1.2 meter dish, 4 watt BUC, RJ11 cable, standard non-penetrating roof mount, network/routing configuration.	Each	None	1 year	US
132-8	Signal Mountain	1010011	Fixed Satellite System Kit - (5100-12) iDirect 5100 iNFINITI: system features iDirect 5100 modem (can support up to 4Mb transmit / 18Mb receive throughput), 1.2 meter dish, 4 watt BUC, RJ11 cable, standard non-penetrating roof mount, network/routing configuration.	Each	None	1 year	US

Signal Mountain Networks, Inc. GSA Contract 47QTCA19D00HG

SIN	MFR NAME	MFR PART NO	PRODUCT DESCRIPTION	UOI	QUANTITY/ VOLUME DISCOUNT	WTY	COO
132-8	Signal Mountain	1010020	Mobile Satellite System (MVSAT) Kit - (3100-09) iDirect 3100 Infiniti: system features AvL Technologies 1278K auto- acquiring mobile system with 1.2 meter dish, rack mount TracStar controller, iDirect 3100 modem (does not support 3DES or AES; can support up to 4Mb transmit / 18Mb receive throughput), 4 watt Ku Band BUC, network/routing configuration.	Each	None	1 year	US
132-8	Signal Mountain	1010021	Mobile Satellite System (MVSAT) Kit - (5100-12) iDirect 5100 Infiniti: system features AvL Technologies 1278K auto- acquiring mobile satellite system with 1.2 meter dish, rack mount TracStar controller, iDirect 5100 modem (can support up to 4Mb transmit / 18Mb receive throughput; 4 watt Ku Band BUC, network/routing configuration.	Each	None	1 year	US
132-8	Signal Mountain	1010031	iDirect 5100 Infiniti Field Kit contains 5100 modem, 2 watt BUC, PLL LNB, premium quality cable, cable crimping tools, cable strippers, cable crimps, satellite locator, dielectric connector grease, waterproof hard shell case with telescoping handle and wheels	Each	None	1 year	US
132-8	Signal Mountain	1010034	iDirect 5100 Infiniti Field Kit contains 5100 modem, 4 watt BUC, PLL LNB, premium quality cable, cable crimping tools, cable strippers, cable crimps, satellite locator, dielectric connector grease, waterproof hard shell case with telescoping handle and wheels	Each	None	1 year	US
132-8	Signal Mountain	1010035	iDirect 5150 Infiniti Field Kit contains 5150 modem,3DES, 4 watt BUC, PLL LNB, premium quality cable, cable crimping tools, cable strippers, cable crimps, satellite locator, dielectric connector grease, waterproof hard shell case with telescoping handle and wheels	Each	None	1 year	US
132-8	Signal Mountain	1010036	iDirect 7350 Infiniti Field Kit contains 7350 SCPC Mesh modem,3DES, 4 watt BUC, PLL LNB, premium quality cable, cable crimping tools, cable strippers, cable crimps, satellite locator, dielectric connector grease, waterproof hard shell case with telescoping handle and wheels	Each	None	1 year	US
132-8	Signal Mountain	1010037	AvL mobile satellite system field service kit contains replacement gears, chains, wave guide, and repair tools.	Each	None	1 year	US
132-8	Signal Mountain	1010137	SCOUT® CommNODE system field service kit contains replacement gears, chains, wave guide, and repair tools. InDoor/OutDoor Electronics, Az & 0-90° EI, 1.2m 4 piece carbon fiber segmented reflector Interchangeable Feed Boom Stub, Emergency Ratchet, 2-Port Precision Feed, Auto Acquire One-Button Fully Automatic Satellite Acquisition, Controller, 4Watt BUC Mounting. Transit Case 1 - 2-axis positioner; Transit Case 2 -Reflector, feed boom, outriggers, and one feed, SCOUT® CommNODE Satellite Router, BUC/LNB	Each	None	1 year	US
132-8	Signal Mountain	1010152	Direct 5300 Infiniti Modem, features SCPC Mesh	Each	None	1 Year	US
132-8	Signal Mountain	1010155	Direct 7350 Infiniti Modem, Mesh w/ISF	Each	None	1 Year	US
132-8	Signal Mountain	1010158	Direct 5IF Hub, includes dual protocol processor, dual NMS, 3 Tx/Rx line cards	Each	None	1 Year	US

Signal Mountain Networks, Inc. GSA Contract 47QTCA19D00HG

SIN	MFR NAME	MFR PART NO	PRODUCT DESCRIPTION	UOI	QUANTITY/ VOLUME DISCOUNT	WTY	COO
132-8	Signal Mountain	1010169	Hub 3DES/AES Encryption Hub Card & Software	Each	None	1 Year	US
132-8	Signal Mountain	1010171	Reference Clock Module (as spares and for hubs without RCM)	Each	None	1 Year	US
132-8	Signal Mountain	1010177	iDirect FIPS-140 Encryption, per remote router	Each	None	1 Year	US
132-8	Signal Mountain	1010178	iDirect iNFINITI 7350-48 (Star, MESH, SCPC, AES)	Each	None	1 Year	US
132-8	Signal Mountain	1010189	Model 12102, Universal 4 Slot Hub, Commercial Version, bundle - 12000 hub chassis - 1IF Module - 2 iNFINITI M1D1 Line Cards - 1 Management Control Module - 2 RCMs - 2 Power Supply Modules - 2 Fans plus 1 FSM - 2 NMS eServers (dual processor) - 2 PP eServers - 2 Cisco 2960 LAN Switches with 48 FastEthernet & 2 Gigabit Ethernet ports - 1 KVM switch iDS 8.0.1 software	Each	None	1 year	US
132-8	Signal Mountain	1010190	4IF Module – factory installed at the time of the initial order	Each	None	1 year	US
132-8	Signal Mountain	1010191	4IF Module – field installed using iDirect Professional Services	Each	None	1 year	US
132-8	Signal Mountain	1010192	Redundant outdoor power modules (OPM), 24V or 48V	Each	None	1 year	US
132-8	Signal Mountain	1010193	Model 11212 Tactical (Ruggedized) Hub bundle (1IF, Includes 1 each DLC-T FIPS L3, DLC-R FIPS L3, PP and NMS Server, RCM-PPS, Layer 3 Switch, 4-Channel TDMA License, VMware license)	Each	None	1 year	US
132-8	Signal Mountain	1010194	Redundant outdoor power modules (OPM), 24V or 48V	Each	None	1 year	US

Signal Mountain Networks, Inc. GSA Contract 47QTCA19D00HG

SIN	MFR NAME	MFR PART NO	PRODUCT DESCRIPTION	UOI	QUANTITY/ VOLUME DISCOUNT	WTY	COO
132-8	Signal Mountain	1010196	4-IF (1 Intermediate Frequency version), Includes: 2xM1D1, 2xNMS (Dual Processor) Servers, 2xPPs, 2xLAN Switches (Cisco 2960), 1xKVM 8 port Switch, 2xRCMs, 1xEDAS Board, 2xPower Supplies	Each	None	1 Year	US
132-8	Signal Mountain	1010197	Implementation and Configuration Package for Model 4IF (Part Number 1010196) - Implementation Package Includes: Hub Engineering Design, Initial Network Configuration Services, Server Configuration Services, Baseband Hub Installation, Network Management System Familiarization (must be done during installation).	Each	None	1 year	US
132-8	Signal Mountain	1010199	Hub AES/FIPS 140-2 Encryption Hub Card & Software for Protocol Processor; one for each of the two PP servers is required if this option is chosen	Each	None	1 Year	US
132-8	Signal Mountain	1010208	Evolution Outbound/Inbound; includes 3 eM1D1 (iDX 1.1 & up)	Each	None	1 Year	US
132-8	Signal Mountain	1010209	Evolution Outbound/Inbound; includes 4 eM1D1 (iDX 1.1 & up)	Each	None	1 Year	US
132-8	Signal Mountain	1010210	Evolution XLC-10 Line Card: Single Modulator (iDX 1.0 and up)	Each	None	1 Year	US
132-8	Signal Mountain	1010211	Evolution XLC-11 Line Card: Single Modulator, Single Demod, Spread Spectrum (iDX 2.0 and up)	Each	None	1 Year	US
132-8	Signal Mountain	1010212	Evolution XLC-M Line Card: Single Demod & cables (iDX 2.0 and up). Future chargeable software upgrade to multi-demod.	Each	None	1 Year	US
132-8	Signal Mountain	1010213	Evolution eM1D1 Line Card: Single Modulator, Single Demod - TRANSEC/Spread Spectrum/WGS (iDX 1.1 and up)	Each	None	1 Year	US
132-8	Signal Mountain	1010214	EVOLUTION iDX 2.0 Starter-Pack Upgrade for 5IF Hub Chassis running iNFINITI, Includes: iDirect NMS High Capacity Server - dual processor, iDirect iVantage (NMS) Server Software (loaded), iDirect Protocol Processor High Capacity Server - dual processor, iDirect Protocol Processor System Software (loaded), XLC-11 Evolution Line Card: Single Modulator, Single Demod (iDX 2.0), XLC-M Evolution Line Card: Single Demod (iDX 2.0). Future chargeable software upgrade to multiple demods. iDX 2.0 Network Software, 3 Years 24x7 Hour Hardware Support on all bundled servers, Note: All NMS and PP Servers include one 12' KVM Cable, iDX Quick Start Evolution Installation & Training for Starter- Pack	Each	None	1 Year	US
132-8	Signal Mountain	1010215	iDirect Protocol Processor Server - dual processor	Each	None	1 Year	US
132-8	Signal Mountain	1010216	48-port LAN Switch	Each	None	1 Year	US

Signal Mountain Networks, Inc. GSA Contract 47QTCA19D00HG

SIN	MFR NAME	MFR PART NO	PRODUCT DESCRIPTION	UOI	QUANTITY/ VOLUME DISCOUNT	WTY	COO
132-8	Signal Mountain	1010217	KVM 16-Port Switch	Each	None	1 Year	US
132-8	Signal Mountain	1010219	11F to 51F Chassis Upgrade	Each	None	1 Year	US
132-8	Signal Mountain	1010221	Private Hub to 51F Hub Upgrade - Assuming that a customer has 336 or 3550 servers, upgrade would require returning Private Hubs and single-processor NMS servers. In return iDirect will ship a 51F hub, 3 line cards, 2 RCMs and 2 dual processor NMS servers. Please note that customer will keep original 2 PP servers, 2 switches and 1 KVM switch from their Private Hub and use these with the new 51F hub. If the customer has 335 servers, the only change is that the 2 PPs need to be returned to iDirect and two alternative PP servers and a KVM switch with be shipped to replace.	Each	None	1 Year	US
132-8	Signal Mountain	1010222	Outdoor Power Modules (OPM) Commercial version, 24V or 48V (bundle of two OPMs supplied for redundancy)	Each	None	1 Year	US
132-8	Signal Mountain	1010224	iDirect 1110 Network Accelerator	Each	None	1 Year	US
132-8	Signal Mountain	1010225	Installation and Configuration of iDirect 1110 Network Accelerator (Part Number 1010224)	Each	None	1 year	US
132-8	Signal Mountain	1010226	iDirect NMS Server - Dual Processor	Each	None	1 Year	US
132-8	Signal Mountain	1010312	SCOUT® CommNODE-2273B Vehicle-Mounted Satellite System (MVSAT) Kit - (7350-12) iDirect modem system features L 1.2 meter antenna, rack mount controller, iDirect SCPC mesh modem (up to 4Mb transmit / 18Mb receive throughput, 3DES, 4 watt Ku Band BUC, network/routing configuration.	Each	None	1 Year	US
132-8	Signal Mountain	1010318	AvL 1278K - 1.2 Meter Auto Acquire Antenna (Vehicular Mount)	Each	None	1 Year	US
132-8	Signal Mountain	1010319	AvL 1278KFD - 1.2 Meter Auto Acquire Antenna (1 case & Vehicular Mount)	Each	None	1 Year	US
132-8	Signal Mountain	1010326	AvL 2010C - 2.0 Meter Auto Acquire Antenna (Vehicular Mount )	Each	None	1 Year	US
132-8	Signal Mountain	1010327	AvL 2010K - 2.0 Meter Auto Acquire Antenna (Vehicular Mount). AvL 2010K Carbon SNG 2.0m Motorized Vehicular Antenna, 2.0 meter carbon single piece reflector, 2 axis Roto-Lok positioner, 400 degree Azimuth, 0-90 degree Elevation, limited function 3 axis jog controller with auto-stow	Each	None	1 Year	US

Signal Mountain Networks, Inc. GSA Contract 47QTCA19D00HG

SIN	MFR NAME	MFR PART NO	PRODUCT DESCRIPTION	UOI	QUANTITY/ VOLUME DISCOUNT	WTY	COO
132-8	Signal Mountain	1010330	AvL 9066K - 0.77 Meter Auto Acquire Antenna Flyaway (1 carry-on case)	Each	None	1 year	US
132-8	Signal Mountain	1010348	TracStar Controller 1RU Rack Mount Chassis	Each	None	1 Year	US
132-8	Signal Mountain	1010349	TracStar Controller Worldwide Software Upgrade	Each	None	1 Year	US
132-8	Signal Mountain	1010393	SCOUT® 2000KCB Auto Acquire Flyaway Antenna (2 cases, ~250lbs total) 1 Piece composite (easy set up) 1.0 Meter	Each	None	1 Year	US
132-8	Signal Mountain	1010394	SCOUT® 1613 Tri-band Portable Manual Antenna 0.6M (2 Cases, 3pc)	Each	None	1 Year	US
132-8	Signal Mountain	1010467	Mobile Satellite System (MVSAT) Kit - (3100-12 1 case) Features one portable case containing an iDirect 3100 Satellite Modem, AvL 1.2 Meter autoacquire antenna (Also vehicule Mountable), 4 watt BUC, LNB and Rack-mount Controller, network/routing configuration.	Each	None	1 year	US
132-8	Signal Mountain	1010468	Mobile Satellite System (MVSAT) Kit - (5150-12 1 case) Features one portable case containing an iDirect 5100 Satellite Modem (AES/3DES Encryption capable*), AvL 1.2 Meter autoacquire antenna (Also vehicule Mountable), 4 watt BUC, LNB and Rack-mount Controller, network/routing configuration.	Each	None	1 year	US
132-8	Signal Mountain	1010469	SCOUT CommNODE-3273B Mobile Satellite System (MVSAT) Kit - (7350-12 1 case) Features one portable case containing an iDirect 7350 Series Satellite Modem (AES/3DES FIPS 140-2 Encryption capable*), AvL 1.2 Meter autoacquire antenna (Also vehicule Mountable), 4 watt BUC, LNB and Rack-mount Controller, network/routing configuration.	Each	None	1 Year	US
132-8	Signal Mountain	1010470	SCOUT CommNODE-3773B Mobile Satellite System (MVSAT) Kit - (7350-07 1 carry) Features one/two portable carry-on cases containing an iDirect 7350 Satellite Modem (AES/3DES FIPS 140- 2 Encryption capable*), AvL 0.77 Meter autoacquire fly-away antenna, 4 watt BUC, LNB and hand- held controller, network/routing configuration.	Each	None	1 Year	US
132-8	Signal Mountain	1010473	SCOUT® CommNODE-5173B Mobile Satellite System (MVSAT) Kit - (X7-1030 2 check) Features two checkable case containing antenna.	Each	None	1 Year	US
132-8	Signal Mountain	1010481	SCOUT CommNODE-3731A Portable Satellite System. Features two portable backpacks containing a 0.77 M autoacquire fly-away antenna, 4 watt BUC, LNB and hand-held controller, network/routing configuration. (~70 lbs)	Each	None	1 Year	US
132-8	Signal Mountain	1010482	AvL 2460 - 2.4 Meter Auto Acquire Antenna (Flyaway Carbon Segmented] Case based	Each	None	1 Year	US

Signal Mountain Networks, Inc. GSA Contract 47QTCA19D00HG

SIN	MFR NAME	MFR PART NO	PRODUCT DESCRIPTION	UOI	QUANTITY/ VOLUME DISCOUNT	WTY	COO
132-8	Signal Mountain	1010483	Auto Acquire One-Button Fully Automatic Satellite Acquisition Controller w/ 1 RU P/S	Each	None	1 Year	US
132-8	Signal Mountain	1010487	SCOUT® CommNODE 1098 1.0-1.2M Auto Acquire Antenna (2 cases) Ku-Band Tripod Case- Based Flyaway	Each	None	1 Year	US
132-8	Signal Mountain	1010488	SCOUT® 1248 PIB FA - 1.2M Auto Acquire Antenna (2 cases; 160lbs+110lbs=~280lbs) 4pc - 1.2M PIB Motorized MVSAT Flyaway Antenna. Includes: 2 axis Roto-Lok® positioner 400° Az & 0- 90°, 1.2m 4 piece carbon fiber segmented reflector Interchangeable Feed Boom Stub, Emergency hand crank, 2- Port Precision Feed, Auto Acquire One-Button Fully Automatic Satellite Acquisition, Controller, 4Watt BUC Mounting. Transit Case 1 - 2-axis positioner, Transit Case 2 - Reflector, feed boom, outriggers.	Each	None	1 Year	US
132-8	Signal Mountain	1010489	SCOUT-X Backpack/Case Manual Antenna System - Ultralight Portable Manual Satellite System. Features two portable backpacks/Airline Checkable Cases containing a 0.96 M Manual fly-away, 4 watt BUC, LNB , network/routing configuration. (~70 lbs))	Each	None	1 Year	US
132-8	Signal Mountain	1010490	SCOUT-X CommNODE Custom Bundle - Ultralight Portable Satellite System & Managed Services. Features: Two/Three portable backpacks/Airline Checkable Cases containing a 0.96 M Manual fly- away antenna, iDirect Satellite Modem, 4 watt BUC, LNB , network/routing configuration. (~60lbs per case/backpack). 1 Year Managed services including 768Kbps/768Kbps Ku Secure Managed Network, No throughput/usability restrictions, 24x7x365 NOC Proactive Monitoring and support, 100% Extended Warranty, Network configuration and Bandwidth allocation changes, Secured Internet access (If desired), End User Training.	Each	None	1 Year	US
132-8	Signal Mountain	1010505	Direct Evolution iConnex-e800 Satellite Router	Each	None	1 Year	US
132-8	Signal Mountain	1010507	Direct Evolution X3 Satellite Router	Each	None	1 Year	US
132-8	Signal Mountain	1010508	Direct Evolution X5 Satellite Router	Each	None	1 Year	US
132-8	Signal Mountain	1010509	Direct Evolution e8350 Satellite Router	Each	None	1 Year	US
132-8	Signal Mountain	1010510	Direct Evolution e8350-48 Satellite Router	Each	None	1 Year	US
132-8	Signal Mountain	1010512	Direct Evolution e850MP	Each	None	1 Year	US
132-8	Signal Mountain	1010515	SCOUT® 2030 Auto Acquire Flyaway Antenna (Airline Checkable 2 cases, ~160lbs total) 6 Piece composite 1.0 Meter	Each	None	1 Year	US

Signal Mountain Networks, Inc. GSA Contract 47QTCA19D00HG

SIN	MFR NAME	MFR PART NO	PRODUCT DESCRIPTION	UOI	QUANTITY/ VOLUME DISCOUNT	WTY	COO
132-8	Signal Mountain	1010516	SCOUT® 2040 Tri-Band Quick-Deploy Auto-Acquire Antenna (2 Cases, ~120lbs total - 6pc), 1.2/1.4m Box	Each	None	1 Year	US
132-8	Signal Mountain	1010517	SCOUT® 2050 Quad-Band Portable Auto-Acquisition Antenna (3 Cases - 6pc), - 1.4M/1.6M Box	Each	None	1 Year	US
132-8	Signal Mountain	1010520	Direct Evolution X1 w/3W + PLL Ku Bundle	Each	None	1 Year	US
132-8	Signal Mountain	1010521	Direct Evolution X7 Satellite Router (AC in / 24VDC out)	Each	None	1 Year	US
132-8	Signal Mountain	1010522	Direct Evolution X7 Satellite Router (AC in / selectable 24-48VDC out)	Each	None	1 Year	US
132-8	Signal Mountain	1010616	SCOUT 0.96 Meter Backpack Motorized Flyaway Antenna SBQDMA (2 Backpacks, Controller with GUI Interface, Built in Spectrum Analyzer)	Each	None	1 Year	US
132-8	Signal Mountain	1010618	SCOUT 0.96 Meter Cased Motorized Flyaway Antenna SCQDMA (2 cases, 4 Watt BUC, 9-piece Composite Axis- Symmetric Reflector, Airline Checkable)	Each	None	1 Year	US
132-8	Signal Mountain	1010619	SCOUT 1.2 Meter Cased Motorized Flyaway Antenna SCQDMA (2 cases, 4 Watt BUC, 9-piece Composite Axis- Symmetric Reflector, Airline Checkable)	Each	None	1 Year	US
132-8	Signal Mountain	1010620	SCOUT 1.2 Meter Vehicle Mount Antenna SVC120M (Includes controller and GUI Interface)	Each	None	1 Year	US
132-8	Signal Mountain	1010621	SCOUT-X Manual Satellite Reflector Tripod (Ultralight ~10lbs)	Each	None	1 Year	US
132-8	Signal Mountain	1010811	1.2M KU Cross Pole Antenna	Each	None	1 year	US
132-8	Signal Mountain	1010812	1.2 M Ku Band 110V De-icing System - Channel Master	Each	None	1 year	US
132-8	Signal Mountain	1010815	2.4M KU Cross Pole Antenna	Each	None	1 year	US
132-8	Signal Mountain	1010816	2.4M C or Ku Band 220 De-icing System (611632402) - Channel Master	Each	None	1 year	US
132-8	Signal Mountain	1010817	Non Penetrating Mount 1.2M Antenna	Each	None	1 year	US
132-8	Signal Mountain	1010818	Non Penetrating Mount 1.8M Antenna	Each	None	1 year	US

Signal Mountain Networks, Inc. GSA Contract 47QTCA19D00HG

SIN	MFR NAME	MFR PART NO	PRODUCT DESCRIPTION	UOI	QUANTITY/ VOLUME DISCOUNT	WTY	COO
132-8	Signal Mountain	1010819	Non Penetrating Mount 2.4M Antenna	Each	None	1 year	US
132-8	Signal Mountain	1010826	10' x 6" Galvanized Steel Pole, 6" stepped down to 2 7/8"	Each	None	1 year	US
132-8	Signal Mountain	1011101	NJR 2535S PLL LNB Ku Band, >64Kbps, Americas 11.7 – 12.20 GHz	Each	None	1 Year	US
132-8	Signal Mountain	1011102	NJR 2537S PLL LNB Ku Band, >64Kbps, European Low 10.95 – 11.70 GHz	Each	None	1 Year	US
132-8	Signal Mountain	1011103	NJR 2536S PLL LNB Ku Band, >64Kbps, European High 12.25 - 12.75 GHz	Each	None	1 Year	US
132-8	Signal Mountain	1011104	NJS8477S PLL LNB C Band, > 64Kpbs, 3.40 - 4.20 GHz	Each	None	1 Year	US
132-8	Signal Mountain	1011105	2 watt Ku Band BUC	Each	None	1 Year	US
132-8	Signal Mountain	1011107	4 watt Ku Band BUC	Each	None	1 Year	US
132-8	Signal Mountain	1011110	8 Watt BUC NJR Ku (requires power supply SMN PN 1011115)	Each	None	1 year	US
132-8	Signal Mountain	1011116	25 Watt BUC Ku	Each	None	1 year	US
132-8	Signal Mountain	1011214	SCOUT® Turnkey Access Network (TAN) Hub architecture upgrade. Evo Starter pack upgrade	Each	None	1 year	US
132-8	Signal Mountain	1011487	SCOUT® CommNODE 1248 - 1.2M Auto Acquire Antenna (2 cases; 160lbs+110lbs). 1.2 Motorized MVSAT Flyaway Antenna, Modem, 4W BUC, LNB, Controller	Each	None	1 year	US
132-8	Signal Mountain	1011741	Signal Mountain Mobile Satellite Field Service Kit (Components for specific mobile satellite systems sold separately). Waterproof rolling hardcase with telescoping handles and custom foam compartments, crimper and die set, cable stripper, coaxial cable brass pins, coaxial cable rubber boots, coaxial cable connectors, dielectric connector grease, null modem cable 10' serial DB9 female to DB9 female x 2, patch cable CAT5 10', crossover cable CAT5 10', CAT5 self stripping connectors, coaxial cable tester.	Each	None	1 year	US
132-8	Signal Mountain	1040142	Direct Hub implementation includes hub engineering design, initial network configuration services, server configuration services, baseband hub installation, network management system familiarization, travel and per diem expenses.	Each	None	1 year	US

Signal Mountain Networks, Inc. GSA Contract 47QTCA19D00HG

SIN	MFR NAME	MFR PART NO	PRODUCT DESCRIPTION	UOI	QUANTITY/ VOLUME DISCOUNT	WTY	COO
132-8	Signal Mountain	7000002	Field-Ready Hard Rolling case for AvL 1278 (1.2M Antenna)	Each	None	1 Year	US
132-8	Signal Mountain	7010002	SCOUT-X Portable LAN Unit FC 31875PT	Each	None	1 Year	US
132-8	Signal Mountain	7019902	SCOUT Battery Pack SBP5H. Portable 5+ hr battery system and solar panel - 3 x LiPo battery pack (66AH), wiring, breaker, and 150-watt inverter, 200-watt foldable panel with 20% efficiency plus cable	Each	None	1 Year	US
132-8	Signal Mountain	1012171	2-way L-band passive splitter or combiner. ETL model COM02L1P-2502-S5S5, 2-way L-band passive splitter or combiner with 10MHz & DC pass. All RF ports are 50 ohm SMA.	Each	None	1 year	US
132-8	Signal Mountain	1012172	Piranha Series modular power chassis with variable voltage and 10MHz distribution. ETL Model PRN-15 Piranha Series 1U chassis with variable voltage and 10MHz distribution. Holding up to 16 Piranha Series hot-swap power inserter modules, rear mounted. Internal 16-way splitter to distribute 10MHz reference to each module.	Each	None	1 year	US
132-8	Signal Mountain	1012173	Piranha Series 200W Hotswap PSU. ETL Model HP225 Piranha Series Hotswap Power Supply Module for PRN-XX Piranha Series modular power chassis providing up to a maximum of 200W nominal. Smart monitoring of PSU load reported locally via HMI and remotely via Ethernet.	Each	None	1 year	US
132-8	Signal Mountain	1012174	Piranha Series Smart LNB DC inserter with 10MHz inject. ETL Model PRN-L102-F7F7 Piranha Series Smart LNB DC inserter module. Extended L-band (850-2450 MHz) with 13/18Vdc selectable & 22kHz tone on/off. Supplied with 75 Ohm F-type input connectors and 75 Ohm F-type output connectors.	Each	None	1 year	US
132-8	Signal Mountain	1012175	Piranha Series Smart LNB DC inserter with 10MHz inject. ETL Model PRN-L102-S5S5 Piranha Series Smart LNB DC inserter module. Extended L-band (850-2450 MHz) with 13/18Vdc selectable & 22kHz tone on/off. Supplied with 50 Ohm SMA input connectors and 50 Ohm SMA output connectors.	Each	None	1 year	US

Signal Mountain Networks, Inc. GSA Contract 47QTCA19D00HG

SIN	MFR NAME	MFR PART NO	PRODUCT DESCRIPTION	UOI	QUANTITY/ VOLUME DISCOUNT	WTY	COO
132-8	Signal Mountain	1012176	32 x 64 Hurricane series Switch Matrix (Router) Excluding Input Modules. ETL model HUR-10 32 input x 64 output Hurricane L-band distributive or fan-out matrix for operation over the frequency range 850-2450MHz. Hurricane offers configurable inputs and outputs and optional integrated LNB powering in an ultra-compact 4U high chassis. RF cards, dual redundant CPUs and PSUs are all hot swap, allowing in service expansion and repair. Hurricane offers input RF level monitoring and alarms, as well as on board monitoring and diagnostics of the matrix status. Local control and monitoring is done via a capacitive touch screen control panel. Remote control via Ethernet port, SNMP, web browser and serial port.	Each	None	1 year	US
132-8	Signal Mountain	1012177	Spares kit for Hurricane matrix. ETL Model number KIT-HUR-10 spares kit for 32x64 matrix model HUR-10. The kit comprises: 1 off IMC card, 1 off MMC card, 1 off OMC card, 1 off CPU card, 1 off PSU, 1 off input IO module, 1 off output IO module and 1 off Fan & Filter Kit.	Each	None	1 year	US
132-8	Signal Mountain	1040101	Direct />1m meter antenna installation, includes labor for non-penetrating flat roof mount with 250 feet of high quality solid copper core RJ-11 cable and up to 50 miles one way travel from installer point of origin 2 and 4 watt BUCs	Each	None	1 Year	US
132-8	Signal Mountain	1040102	Direct/1.2 meter antenna installation, standard installation includes labor for non-penetrating flat roof mount with 250 feet of high quality solid copper core RJ-11 cable and up to 50 miles one way travel from installer point of origin 2 and 4 watt BUCs	Each	None	1 Year	US
132-8	Signal Mountain	1040103	Direct/1.8 meter antenna installation includes labor for non-penetrating flat roof mount with 250 feet of high quality solid copper core RJ-11 cable and up to 50 miles one way travel from installer point of origin 2 and 4 watt BUCs	Each	None	1 Year	US
132-8	Signal Mountain	1040105	Direct/2.4 meter antenna installation, includes labor for non-penetrating flat roof mount with 250 feet of high quality solid copper core RJ-11 cable and up to 50 miles one way travel from installer point of origin 2 and 4 watt BUCs	Each	None	1 Year	US
132-8	Signal Mountain	1040301	Direct Satellite Modem, standard installation includes labor for Signal Mountain "Quality Plus" installation of >1 meter auto-acquiring mobile satellite system on vehicle or trailer with high quality data/video cable	Each	None	1 Year	US
132-8	Signal Mountain	1043001	De-installation 1.2M/1.4M satellite antenna	Each	None	1 Year	US
132-8	Signal Mountain	1043008	Site survey and report. Includes assessment of the location for satellite system installation - both for the antenna reflector, the In-door-unit and the cabling, measurement of relevant areas, look angle and line-of-sight obstructions, temperatures, distances, and other data required to meet the technical specifications of the various technologies to be implemented.	Each	None	1 Year	US

**Signal Mountain Networks, Inc. GSA Contract 47QTCA19D00HG**

SIN	MFR NAME	MFR PART NO	PRODUCT DESCRIPTION	UOI	QUANTITY/ VOLUME DISCOUNT	WTY	COO
132-8	Signal Mountain	5010312	VPN Setup (Up-to 2 hour support) to enable VPN connectivity to a satellite remote	Each	None	1 Year	US
132-8	Signal Mountain	5010317	3DES/AES Encryption Set up & Configuration per network, to enable encryption to a satellite network	Each	None	1 Year	US
132-8	Signal Mountain	1010505	Direct Evolution iConnex-e800 Satellite Router	Each	None	1 Year	US

**EXHIBIT B  
SIN 132-12 MAINTENANCE OF EQUIPMENT, REPAIR SERVICES AND/OR REPAIR/SPARE PARTS**

SIN	MFR NAME	MFR PART NO	PRODUCT DESCRIPTION	UOI	QUANTITY/ VOLUME DISCOUNT	WTY	COO
132-12	Signal Mountain	1020001	RMA/Extended warranty subscription NS10K	Monthly Service	None	1 year	US
132-12	Signal Mountain	1020002	RMA/Extended warranty subscription NS20K	Monthly Service	None	1 year	US
132-12	Signal Mountain	1020003	RMA/Extended warranty subscription NS30K	Monthly Service	None	1 year	US
132-12	Signal Mountain	1020004	1 Year RMA/Extended warranty subscription NS10K	Yearly Service	None	1 year	US
132-12	Signal Mountain	1020005	1 Year RMA/Extended warranty subscription NS20K	Yearly Service	None	1 year	US
132-12	Signal Mountain	1020006	1 Year RMA/Extended warranty subscription NS30K	Yearly Service	None	1 year	US
132-12	Signal Mountain	1020110	RMA/Extended warranty subscription for iDirect 3XXX System	Monthly Service	None	1 year	US

Signal Mountain Networks, Inc. GSA Contract 47QTCA19D00HG

SIN	MFR NAME	MFR PART NO	PRODUCT DESCRIPTION	UOI	QUANTITY/ VOLUME DISCOUNT	WTY	COO
132-12	Signal Mountain	1020111	RMA/Extended warranty subscription for iDirect 5XXX System	Monthly Service	None	1 year	US
132-12	Signal Mountain	1020112	RMA/Extended warranty subscription for iDirect 7XXX System	Monthly Service	None	1 year	US
132-12	Signal Mountain	1020113	RMA/Extended warranty subscription for iDirect 8XXX System	Monthly Service	None	1 year	US
132-12	Signal Mountain	1020325	1 year RMA/Extended warranty subscription for AvL 1030/1040	Yearly Service	None	1 year	US
132-12	Signal Mountain	1020332	RMA/Extended warranty subscription for AvL 9066K (Month pro-rated)	Monthly Service	None	1 year	US
132-12	Signal Mountain	1020336	RMA/Extended warranty subscription for AvL 1030/1040 (Month pro-rated)	Monthly Service	None	1 year	US
132-12	Signal Mountain	1020337	RMA/Extended warranty subscription for AvL 1278K (Month pro-rated)	Monthly Service	None	1 year	US
132-12	Signal Mountain	1020338	RMA/Extended warranty subscription for AvL 1278KFD (Month pro-rated)	Monthly Service	None	1 year	US
132-12	Signal Mountain	1020346	1 year RMA/Extended warranty subscription for AvL 1278K	Yearly Service	None	1 year	US

**EXHIBIT C**  
**SIN 132-51 IT PROFESSIONAL SERVICES**

SIN	NUMBER	JOB TITLE	GSA Price (Including IFF)	QUANTITY/ VOLUME DISCOUNT
132-51	5010002	Network Engineer	\$129.22	None
132-51	5010003	IT Project Manager	\$139.92	None
132-51	5010004	Senior Systems Engineer	\$179.95	None
132-51	5010005	IT Program Manager	\$180.91	None
132-51	5010006	Subject Matter Expert I	\$224.94	None
132-51	5010300	Engineer	\$44.22	None
132-51	5010500	Field Technician	\$50.25	None

**EXHIBIT D  
SIN 132-52 ELECTRONIC COMMERCE SERVICES**

SIN	MFR NAME	MFR PART NO	PRODUCT DESCRIPTION	UOI	QUANTITY/ VOLUME DISCOUNT	WTY	COO
132-52	Signal Mountain	1051700	Enterprise CIR per Kbps -One way [ATLIS Teleport] *Required for VoIP	Monthly Service	None	1 year	US
132-52	Signal Mountain	1052104	Dedicated Rack Space "1U" per month (For Dedicated Circuit at teleport)	Monthly Service	None	1 year	US

**EXHIBIT E  
SIN 132-54 COMSATCOM TRANSPONDED CAPACITY**

SIN	MFR NAME	MFR PART NO	PRODUCT DESCRIPTION	UOI	QUANTITY/ VOLUME DISCOUNT	WTY	COO
132-54	Signal Mountain	1051512	1 Mhz, Ku/C/Ka/X-band, 1 yr contract, price per month - CONUS	Monthly Service	None	1 year	US
132-54	Signal Mountain	1051513	1 Mhz, Ku/C/Ka/X-band, 1 yr contract, price per month- AFR	Monthly Service	None	1 year	US
132-54	Signal Mountain	1051514	1 Mhz, Ku/C/Ka/X-band, 1 yr contract, price per month - AMR	Monthly Service	None	1 year	US

Signal Mountain Networks, Inc. GSA Contract 47QTCA19D00HG

SIN	MFR NAME	MFR PART NO	PRODUCT DESCRIPTION	UOI	QUANTITY/ VOLUME DISCOUNT	WTY	COO
132-54	Signal Mountain	1051515	1 Mhz, Ku/C/Ka/X-band, 1 yr contract, price per month - AOR	Monthly Service	None	1 year	US
132-54	Signal Mountain	1051516	1 Mhz, Ku/C/Ka/X-band, 1 yr contract, price per month - ASR	Monthly Service	None	1 year	US
132-54	Signal Mountain	1051519	1 Mhz, Ku/C/Ka/X-band, 1 yr contract, price per month - EUR	Monthly Service	None	1 year	US
132-54	Signal Mountain	1051520	1 Mhz, Ku/C/Ka/X-band, 1 yr contract, price per month - IOR	Monthly Service	None	1 year	US
132-54	Signal Mountain	1051521	1 Mhz, Ku/C/Ka/X-band, 1 yr contract, price per month - MER	Monthly Service	None	1 year	US
132-54	Signal Mountain	1051522	1 Mhz, Ku/C/Ka/X-band, 1 yr contract, price per month - POR	Monthly Service	None	1 year	US
132-54	Signal Mountain	1051523	1 Mhz, Ku/C/Ka/X-band, 1 yr contract, price per month - Any Region Global	Monthly Service	None	1 year	US
132-54	Signal Mountain	1051530	1yr - 1 Mhz, Ku/C/Ka/X-band - CONUS	Monthly Service	None	1 year	US
132-54	Signal Mountain	1051531	1yr - 1 Mhz, Ku/C/Ka/X-band - AFR	Monthly Service	None	1 year	US
132-54	Signal Mountain	1051532	1yr - 1 Mhz, Ku/C/Ka/X-band - AMR	Monthly Service	None	1 year	US
132-54	Signal Mountain	1051533	1yr - 1 Mhz, Ku/C/Ka/X-band - AOR	Monthly Service	None	1 year	US
132-54	Signal Mountain	1051534	1yr - 1 Mhz, Ku/C/Ka/X-band - ASR	Monthly Service	None	1 year	US
132-54	Signal Mountain	1051535	1yr - 1 Mhz, Ku/C/Ka/X-band - EUR	Monthly Service	None	1 year	US

Signal Mountain Networks, Inc. GSA Contract 47QTCA19D00HG

SIN	MFR NAME	MFR PART NO	PRODUCT DESCRIPTION	UOI	QUANTITY/ VOLUME DISCOUNT	WTY	COO
132-54	Signal Mountain	1051536	1yr - 1 Mhz, Ku/C/Ka/X-band - IOR	Monthly Service	None	1 year	US
132-54	Signal Mountain	1051537	1yr - 1 Mhz, Ku/C/Ka/X-band - MER	Monthly Service	None	1 year	US
132-54	Signal Mountain	1051538	1yr - 1 Mhz, Ku/C/Ka/X-band - POR	Monthly Service	None	1 year	US
132-54	Signal Mountain	1051539	1yr - 1 Mhz, Ku/C/Ka/X-band - Any Region Global	Monthly Service	None	1 year	US
132-54	Signal Mountain	5030035	Host Nation Agreement (Per terminal, per period) All regions	Monthly Service	None	1 year	US

**EXHIBIT F  
SIN 132-55 COMSATCOM SUBSCRIPTION SERVICES**

SIN	MFR NAME	MFR PART NO	PRODUCT DESCRIPTION	UOI	QUANTITY/ VOLUME DISCOUNT	WTY	COO
132-55	Signal Mountain	1011801	Activation Satellite remote site	Each	None	1 year	US
132-55	Signal Mountain	1011802	Teleport Activation Private Network	Each	None	1 year	US
132-55	Signal Mountain	1011803	Additional Line card set up fee	Each	None	1 year	US
132-55	Signal Mountain	1050001	Bandwidth for 768Kbps/768Kbps CONUS (Alaska & Hawaii) - Per month	Monthly Service	None	1 year	US
132-55	Signal Mountain	1050002	Bandwidth for 400Kbps/600Kbps (Korea) - Per month	Monthly Service	None	1 year	US
132-55	Signal Mountain	1050003	Annual Bandwidth for 768Kbps/768Kbps CONUS (Alaska & Hawaii)	Yearly Service	None	1 year	US
132-55	Signal Mountain	1050004	Annual Bandwidth for 400Kbps/600Kbps (Korea)	Yearly Service	None	1 year	US
132-55	Signal Mountain	1050005	1 Yr Satellite Service, Low Data Only 128Kbps/128Kbps [ATLIS Teleport/SCOUT® Managed Network]	Yearly Service	None	1 year	US
132-55	Signal Mountain	1050006	1 Yr Satellite Service, Low Data Only 256Kbps/256Kbps [ATLIS Teleport/SCOUT® Managed Network]	Yearly Service	None	1 year	US
132-55	Signal Mountain	1050007	1 Yr Satellite Service, Low Data Only 384Kbps/384Kbps [ATLIS Teleport/SCOUT® Managed Network]	Yearly Service	None	1 year	US

Signal Mountain Networks, Inc. GSA Contract 47QTCA19D00HG

SIN	MFR NAME	MFR PART NO	PRODUCT DESCRIPTION	UOI	QUANTITY/ VOLUME DISCOUNT	WTY	COO
132-55	Signal Mountain	1050008	1 Yr Satellite Service, Low Data Only 448Kbps/448Kbps [ATLIS Teleport/SCOUT® Managed Network]	Yearly Service	None	1 year	US
132-55	Signal Mountain	1050009	1 Yr Satellite Service, Low Data Only 512Kbps/512Kbps [ATLIS Teleport/SCOUT® Managed Network]	Yearly Service	None	1 year	US
132-55	Signal Mountain	1050010	1 Yr Satellite Service, Low Data Only 768Kbps/768Kbps [ATLIS Teleport/SCOUT® Managed Network]	Yearly Service	None	1 year	US
132-55	Signal Mountain	1050011	1 Yr Satellite Service, Low Data Only 1Mbps/1Mbps [ATLIS Teleport/SCOUT® Managed Network]	Yearly Service	None	1 year	US
132-55	Signal Mountain	1050012	1 Yr Satellite Service, Standard - Data Only 128Kbps/128Kbps [ATLIS Teleport/SCOUT® Managed Network]	Yearly Service	None	1 year	US
132-55	Signal Mountain	1050013	1 Yr Satellite Service, Standard - Data Only 256Kbps/256Kbps [ATLIS Teleport/SCOUT® Managed Network]	Yearly Service	None	1 year	US
132-55	Signal Mountain	1050014	1 Yr Satellite Service, Standard - Data Only 384Kbps/384Kbps [ATLIS Teleport/SCOUT® Managed Network]	Yearly Service	None	1 year	US
132-55	Signal Mountain	1050015	1 Yr Satellite Service, Standard - Data Only 448Kbps/448Kbps [ATLIS Teleport/SCOUT® Managed Network]	Yearly Service	None	1 year	US
132-55	Signal Mountain	1050016	1 Yr Satellite Service, Standard - Data Only 512Kbps/512Kbps [ATLIS Teleport/SCOUT® Managed Network]	Yearly Service	None	1 year	US
132-55	Signal Mountain	1050017	1 Yr Satellite Service, Standard - Data Only 768Kbps/768Kbps [ATLIS Teleport/SCOUT® Managed Network]	Yearly Service	None	1 year	US
132-55	Signal Mountain	1050018	1 Yr Satellite Service, Standard - Data Only 1Mbps/1Mbps [ATLIS Teleport/SCOUT® Managed Network]	Yearly Service	None	1 year	US
132-55	Signal Mountain	1050019	1 Yr Satellite Service, Premium - Data Only 128Kbps/128Kbps [ATLIS Teleport/SCOUT® Managed Network]	Yearly Service	None	1 year	US
132-55	Signal Mountain	1050020	1 Yr Satellite Service, Premium - Data Only 256Kbps/256Kbps [ATLIS Teleport/SCOUT® Managed Network]	Yearly Service	None	1 year	US

Signal Mountain Networks, Inc. GSA Contract 47QTCA19D00HG

SIN	MFR NAME	MFR PART NO	PRODUCT DESCRIPTION	UOI	QUANTITY/ VOLUME DISCOUNT	WTY	COO
132-55	Signal Mountain	1050021	1 Yr Satellite Service, Premium - Data Only 384Kbps/384Kbps [ATLIS Teleport/SCOUT® Managed Network]	Yearly Service	None	1 year	US
132-55	Signal Mountain	1050022	1 Yr Satellite Service, Premium - Data Only 448Kbps/448Kbps [ATLIS Teleport/SCOUT® Managed Network]	Yearly Service	None	1 year	US
132-55	Signal Mountain	1050023	1 Yr Satellite Service, Premium - Data Only 512Kbps/512Kbps [ATLIS Teleport/SCOUT® Managed Network]	Yearly Service	None	1 year	US
132-55	Signal Mountain	1050024	1 Yr Satellite Service, Premium - Data Only 768Kbps/768Kbps [ATLIS Teleport/SCOUT® Managed Network]	Yearly Service	None	1 year	US
132-55	Signal Mountain	1050025	1 Yr Satellite Service, Premium - Data Only 1Mbps/1Mbps [ATLIS Teleport/SCOUT® Managed Network]	Yearly Service	None	1 year	US
132-55	Signal Mountain	1050026	1 Yr Satellite Service, (Dedicated) 128Kbps/128Kbps [ATLIS Teleport/SCOUT® Managed Network]	Yearly Service	None	1 year	US
132-55	Signal Mountain	1050027	1 Yr Satellite Service, (Dedicated) 256Kbps/256Kbps [ATLIS Teleport/SCOUT® Managed Network]	Yearly Service	None	1 year	US
132-55	Signal Mountain	1050028	1 Yr Satellite Service, (Dedicated) 384Kbps/384Kbps [ATLIS Teleport/SCOUT® Managed Network]	Yearly Service	None	1 year	US
132-55	Signal Mountain	1050029	1 Yr Satellite Service, (Dedicated) 448Kbps/448Kbps [ATLIS Teleport/SCOUT® Managed Network]	Yearly Service	None	1 year	US
132-55	Signal Mountain	1050030	1 Yr Satellite Service, (Dedicated) 512Kbps/512Kbps [ATLIS Teleport/SCOUT® Managed Network]	Yearly Service	None	1 year	US
132-55	Signal Mountain	1050031	1 Yr Satellite Service, (Dedicated) 768Kbps/768Kbps [ATLIS Teleport/SCOUT® Managed Network]	Yearly Service	None	1 year	US
132-55	Signal Mountain	1050032	1 Yr Satellite Service, (Dedicated) 1Mbps/1Mbps [ATLIS Teleport/SCOUT® Managed Network]	Yearly Service	None	1 year	US
132-55	Signal Mountain	1050035	1 yr Satellite Service, Premium Multi-site - 256Kbps/256Kbps Secure Network	Yearly Service	None	1 year	US

Signal Mountain Networks, Inc. GSA Contract 47QTCA19D00HG

SIN	MFR NAME	MFR PART NO	PRODUCT DESCRIPTION	UOI	QUANTITY/ VOLUME DISCOUNT	WTY	COO
132-55	Signal Mountain	1050036	1 yr Satellite Service, Premium Multi-site - 512Kbps/512Kbps Secure Network	Yearly Service	None	1 year	US
132-55	Signal Mountain	1050179	Business Continuity Pilot Light (128Kbps/128Kbps ATL-IS Teleport) Upgrade to Premium rates require 30-day min. billing	Monthly Service	None	1 year	US
132-55	Signal Mountain	1051501	Satellite Service, Low Data Only 1.5Mbps/1.5Mbps [ATLIS Teleport/SCOUT® Managed Network]	Monthly Service	None	1 year	US
132-55	Signal Mountain	1051502	Satellite Service, Low Data Only 2Mbps/2Mbps [ATLIS Teleport/SCOUT® Managed Network]	Monthly Service	None	1 year	US
132-55	Signal Mountain	1051503	Satellite Service, Standard - Data Only 1.5Mbps/1.5Mbps [ATLIS Teleport/SCOUT® Managed Network]	Monthly Service	None	1 year	US
132-55	Signal Mountain	1051504	Satellite Service, Standard - Data Only 2Mbps/2Mbps [ATLIS Teleport/SCOUT® Managed Network]	Monthly Service	None	1 year	US
132-55	Signal Mountain	1051505	Satellite Service, Premium - Data Only 1.5Mbps/1.5Mbps [ATLIS Teleport/SCOUT® Managed Network]	Monthly Service	None	1 year	US
132-55	Signal Mountain	1051506	Satellite Service, Premium - Data Only 2Mbps/2Mbps [ATLIS Teleport/SCOUT® Managed Network]	Monthly Service	None	1 year	US
132-55	Signal Mountain	1051507	Satellite Service, Premium - Premium Multi-site - 1Mbps/1Mbps Secure Network - Per month SCOUT® Managed Network	Monthly Service	None	1 year	US
132-55	Signal Mountain	1051508	Satellite Service, Premium - Premium Multi-site - 1.5Mbps/1.5Mbps Secure Network - Per month SCOUT® Managed Network	Monthly Service	None	1 year	US
132-55	Signal Mountain	1051509	Satellite Service, Premium - Premium Multi-site - 2Mbps/2Mbps Secure Network - Per month SCOUT® Managed Network	Monthly Service	None	1 year	US
132-55	Signal Mountain	1051510	Satellite Service, (Dedicated) 1.5Mbps/1.5Mbps [ATLIS Teleport/SCOUT® Managed Network]	Monthly Service	None	1 year	US
132-55	Signal Mountain	1051511	Satellite Service, (Dedicated) 2Mbps/2Mbps [ATLIS Teleport/SCOUT® Managed Network]	Monthly Service	None	1 year	US

Signal Mountain Networks, Inc. GSA Contract 47QTCA19D00HG

SIN	MFR NAME	MFR PART NO	PRODUCT DESCRIPTION	UOI	QUANTITY/ VOLUME DISCOUNT	WTY	COO
132-55	Signal Mountain	1051701	Satellite Service, Low Data Only 128Kbps/128Kbps [ATLIS Teleport]	Monthly Service	None	1 year	US
132-55	Signal Mountain	1051702	Satellite Service, Low Data Only 256Kbps/256Kbps [ATLIS Teleport]	Monthly Service	None	1 year	US
132-55	Signal Mountain	1051703	Satellite Service, Low Data Only 384Kbps/384Kbps [ATLIS Teleport]	Monthly Service	None	1 year	US
132-55	Signal Mountain	1051704	Satellite Service, Low Data Only 448Kbps/448Kbps [ATLIS Teleport]	Monthly Service	None	1 year	US
132-55	Signal Mountain	1051705	Satellite Service, Low Data Only 512Kbps/512Kbps [ATLIS Teleport]	Monthly Service	None	1 year	US
132-55	Signal Mountain	1051706	Satellite Service, Standard - Data Only 128Kbps/128Kbps [ATLIS Teleport]	Monthly Service	None	1 year	US
132-55	Signal Mountain	1051707	Satellite Service, Standard - Data Only 256Kbps/256Kbps [ATLIS Teleport]	Monthly Service	None	1 year	US
132-55	Signal Mountain	1051708	Satellite Service, Standard - Data Only 384Kbps/384Kbps [ATLIS Teleport]	Monthly Service	None	1 year	US
132-55	Signal Mountain	1051709	Satellite Service, Standard - Data Only 448Kbps/448Kbps [ATLIS Teleport]	Monthly Service	None	1 year	US
132-55	Signal Mountain	1051710	Satellite Service, Standard - Data Only 512Kbps/512Kbps [ATLIS Teleport]	Monthly Service	None	1 year	US
132-55	Signal Mountain	1051711	Satellite Service, Premium - Data Only 128Kbps/128Kbps [ATLIS Teleport]	Monthly Service	None	1 year	US
132-55	Signal Mountain	1051712	Satellite Service, Premium - Data Only 256Kbps/256Kbps [ATLIS Teleport]	Monthly Service	None	1 year	US
132-55	Signal Mountain	1051713	Satellite Service, Premium - Data Only 384Kbps/384Kbps [ATLIS Teleport]	Monthly Service	None	1 year	US

Signal Mountain Networks, Inc. GSA Contract 47QTCA19D00HG

SIN	MFR NAME	MFR PART NO	PRODUCT DESCRIPTION	UOI	QUANTITY/ VOLUME DISCOUNT	WTY	COO
132-55	Signal Mountain	1051714	Satellite Service, Premium - Data Only 448Kbps/448Kbps [ATLIS Teleport]	Monthly Service	None	1 year	US
132-55	Signal Mountain	1051715	Satellite Service, Premium - Data Only 512Kbps/512Kbps [ATLIS Teleport]	Monthly Service	None	1 year	US
132-55	Signal Mountain	1051716	Satellite Service, (Dedicated) 128Kbps/128Kbps [ATLIS Teleport]	Monthly Service	None	1 year	US
132-55	Signal Mountain	1051717	Satellite Service, (Dedicated) 256Kbps/256Kbps [ATLIS Teleport]	Monthly Service	None	1 year	US
132-55	Signal Mountain	1051718	Satellite Service, (Dedicated) 384Kbps/384Kbps [ATLIS Teleport]	Monthly Service	None	1 year	US
132-55	Signal Mountain	1051719	Satellite Service, (Dedicated) 448Kbps/448Kbps [ATLIS Teleport]	Monthly Service	None	1 year	US
132-55	Signal Mountain	1051720	Satellite Service, (Dedicated) 512Kbps/512Kbps [ATLIS Teleport]	Monthly Service	None	1 year	US
132-55	Signal Mountain	1051721	Satellite Service, Standard - Data Only 768Kbps/768Kbps [ATLIS Teleport/SCOUT® Managed Network]	Monthly Service	None	1 year	US
132-55	Signal Mountain	1051722	1 yr Satellite Service, Premium Multi-site - 768Kbps/768Kbps Secure Network	Yearly Service	None	1 year	US
132-55	Signal Mountain	1051723	Satellite Service, (Dedicated) 768Kbps/768Kbps [ATLIS Teleport/SCOUT® Managed Network]	Monthly Service	None	1 year	US
132-55	Signal Mountain	1051724	Satellite Service, Standard - Data Only 1Mbps/1Mbps [ATLIS Teleport/SCOUT® Managed Network]	Monthly Service	None	1 year	US
132-55	Signal Mountain	1051725	Satellite Service, Low Data Only 768Kbps/768Kbps [ATLIS Teleport/SCOUT® Managed Network]	Monthly Service	None	1 year	US
132-55	Signal Mountain	1051726	Satellite Service, Low Data Only 1Mbps/1Mbps [ATLIS Teleport/SCOUT® Managed Network]	Monthly Service	None	1 year	US

Signal Mountain Networks, Inc. GSA Contract 47QTCA19D00HG

SIN	MFR NAME	MFR PART NO	PRODUCT DESCRIPTION	UOI	QUANTITY/ VOLUME DISCOUNT	WTY	COO
132-55	Signal Mountain	1051727	Satellite Service, Premium - Data Only 1Mbps/1Mbps [ATLIS Teleport/SCOUT® Managed Network]	Monthly Service	None	1 year	US
132-55	Signal Mountain	1051728	Satellite Service, (Dedicated) 1Mbps/1Mbps [ATLIS Teleport/SCOUT® Managed Network]	Monthly Service	None	1 year	US
132-55	Signal Mountain	1051729	Satellite Service, Premium Multi-site - 256Kbps/256Kbps Secure Network - Per month	Monthly Service	None	1 year	US
132-55	Signal Mountain	1051730	Satellite Service, Premium Multi-site - 512Kbps/512Kbps Secure Network - Per month	Monthly Service	None	1 year	US
132-55	Signal Mountain	1051731	Satellite Service, Premium Multi-site - 768Kbps/768Kbps Secure Network - Per month	Monthly Service	None	1 year	US
132-55	Signal Mountain	1051732	Satellite Service, Premium - Data Only 768Kbps/768Kbps [ATLIS Teleport/SCOUT® Managed Network]	Monthly Service	None	1 year	US

