GENERAL SERVICES AUTHORIZED FEDERAL SUPPLY SERVICE

MULTIPLE AWARD SCHEDULE (MAS)

Information Technology Category
FSC/PSC Code: 7010, J070. D304

AIS Engineering, Inc.
804 Pershing Drive, Suite 208
Silver Spring, MD 20910
Phone: (301) 585-1238
Fax: (301) 585-3261
Website: www.aisengineering.com

Contract Number: GS-35F-0454X

Period Covered by Contract: June 22, 2011 through June 21, 2026
Catalog effective through Modification #PS-A839, dated January 5, 2022

Business Size: SBA Certified SDB, WOSB

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 Supply Service's Home Page via the Internet at http://www.fss.gsa.gov/
CUSTOMER INFORMATION:

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

<table>
<thead>
<tr>
<th>SIN</th>
<th>DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>33411/STLOC/RC</td>
<td>Purchasing of New Electronic Equipment</td>
</tr>
<tr>
<td>811212/STLOC/RC</td>
<td>Maintenance of Equipment, Repair Services and/or Repair/Spare Parts</td>
</tr>
<tr>
<td>517410/STLOC/RC</td>
<td>Commercial Satellite Communications Solutions (COMSATCOM)</td>
</tr>
</tbody>
</table>

1b. LOWEST PRICED MODEL NUMBER AND PRICE FOR EACH SIN: Pricelist on page 13.

1c. HOURLY RATES (Services only): Pricelist on page 13.

2. MAXIMUM ORDER*: $500,000 (All SINs)

NOTE TO ORDERING ACTIVITIES: *If the best value selection places your order over the Maximum Order identified in this catalog/pricelist, you have an opportunity to obtain a better schedule contract price. Before placing your order, contact the aforementioned contactor for a better price. The contractor may (1) offer a new price for this requirement (2) offer the lowest price available under this contract or (3) decline the order. A delivery order that exceeds the maximum order may be placed under the schedule contract in accordance with FAR 8.404.

3. MINIMUM ORDER: $100

4. GEOGRAPHIC COVERAGE: Domestic

5. POINT(S) OF PRODUCTION: N/A (Services Only)

6. DISCOUNT FROM LIST PRICES: Government Net Prices (discounts already deducted.)

7. QUANTITY DISCOUNT(S):

   - 33411/STLOC/RC  1% - 17% for quantities of 10 or more on a line item basis.
   - 517410/STLOC/RC  1% for orders between $1,000,000.00 - $2,999,999.99
                     2% For orders of 3,000,000.00 or more

8. PROMPT PAYMENT TERMS: Net 30 Days

9. FOREIGN ITEMS: None

10a. TIME OF DELIVERY:

   - 33411/STLOC/RC  30 Days
   - 811212/STLOC/RC  30 Days
   - 517410/STLOC/RC  15 Days

10b. EXPEDITED DELIVERY: 7 Days (SIN 33411 and 811212)

10c. OVERNIGHT AND 2-DAY DELIVERY: 4 hours (SIN 517410)

10d. URGENT REQUIREMENTS: 5 Days (SIN 33411 and 811212)

***Please Note: equipment, licensing & HNA’s may require additional time.

11. FOB POINT: Destination

12a. ORDERING ADDRESS: 804 Pershing Drive, Suite 208 Silver Spring, MD 20910.
12b. **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.

13. **PAYMENT ADDRESS:** 804 Pershing Drive, Suite 208 Silver Spring, MD 20910.

***Please Note:** Routing #055003340, Account #0113265411

14. **WARRANTY PROVISION:** Standard Commercial Warranty

15. **EXPORT PACKING CHARGES:** N/A

16. **TERMS AND CONDITIONS OF RENTAL, MAINTENANCE, AND REPAIR (If Applicable):** N/A

17. **TERMS AND CONDITIONS OF INSTALLATION (IF APPLICABLE):** N/A

18a. **TERMS AND CONDITIONS OF REPAIR PARTS INDICATING DATE OF PARTS PRICE LISTS AND ANY DISCOUNTS FROM LIST PRICES (IF AVAILABLE):** N/A

18b. **TERMS AND CONDITIONS FOR ANY OTHER SERVICES (IF APPLICABLE):** N/A

19. **LIST OF SERVICE AND DISTRIBUTION POINTS (IF APPLICABLE):** N/A

20. **LIST OF PARTICIPATING DEALERS (IF APPLICABLE):** N/A

21. **PREVENTIVE MAINTENANCE (IF APPLICABLE):** N/A

22a. **SPECIAL ATTRIBUTES SUCH AS ENVIRONMENTAL ATTRIBUTES (e.g. recycled content, energy efficiency, and/or reduced pollutants):** N/A

22b. If applicable, indicate that Section 508 compliance information is available on Electronic and Information Technology (EIT) supplies and services and show where full details can be found (e.g. contractor’s website or other location.) The EIT standards can be found at: [www.Section508.gov](http://www.Section508.gov): N/A

23. **UNIQUE ENTITY IDENTIFICATION (UEIN) NUMBER:** GUCJS9VEPC56

24. **NOTIFICATION REGARDING REGISTRATION IN SYSTEM FOR AWARD MANAGEMENT (SAM) DATABASE:** Registered. Cage Code 1TZK6

25. **Service Contract Labor Standards:** The Service Contract Labor Standards (SCLS), formerly known as the Service Contract Act (SCA), is applicable to this contract as it applies to the entire Multiple Award Schedule (MAS) and all services provided. While no specific labor categories have been identified as being subject to SCLS/SCA due to exemptions for professional employees (FAR 22.1101, 22.1102 and 29 CRF 541.300), this contract still maintains the provisions and protections for SCLS/SCA eligible labor categories. If and / or when the contractor adds SCLS/SCA labor categories to the contract through the modification process, the contractor must inform the Contracting Officer and establish a SCLS/SCA matrix identifying the GSA labor category titles, the occupational code, SCLS/SCA labor category titles and the applicable WD number. Failure to do so may result in cancellation of the contract.
AIS Engineering (AIS) offers customers all of the required elements to procure and utilize transponded satellite services from third party (non-AIS) FSS satellites. AIS is experienced in every facet of the satellite industry, including network design, transmission engineering, program management, cost-benefit analysis, and Government contracting. AIS third party satellites typically carry payloads in C- and Ku-frequency bands and service offerings allow customers the flexibility of purchasing AIS third-party C- and Ku-band capacity in a variety of bandwidth increments ranging from less than 4MHz to 36+MHz for durations ranging from 1 month to 5 years. Through an established arrangement with XTAR, AIS also resells X-band capacity. The satellites are military-grade radiation hardened and feature anti-jamming (nulling) antennas to mitigate hostile or non-hostile interference; the satellites also benefit from on-board geo-location to identify and locate any sources of interference. These powerful satellites are capable of high data rates to small and disadvantaged terminals—the type often used as a ‘first-in’ capability for disaster and rescue operations as well as military missions.

**AIS's Transponded Capacity**

AIS's Transponded Capacity offerings provide the full spectrum of engineering services from the conception of the solution to implementation, acceptance testing, and life-cycle support. Link budget analysis, transmission planning, customer activation support, and ongoing monitor and control are provided as part of AIS’s Transponded services. The analysis considers detailed satellite performance data (beam coverage patterns, satellite amplifier non-linearity characteristics, satellite pointing bias, satellite receiver sensitivity, etc.). For solutions requiring multiple sites spread across a significant geographic area, hundreds of link analysis are performed using multi-destinational analysis (MDA) capability, resulting in a map that shows the expected satellite performance of the remote stations within the required coverage area.

For complementary ground segment support, AIS can provide the appropriate third-party teleports and terrestrial circuits. During the activation process for any new or reconfigured service, the AIS Engineering Network Operations Center (NOC) in either Melbourne, FL or Silver Spring, MD, provides step by step guidance and assistance (telephonically) in support of customer service activations. After confirming the customer’s SSOG line up number, satellite, transponder, and frequency (which have been previously assigned), the NOC will lead the test and activation process for the customer. All activations are documented in a ticketing system.

AIS ensures that all owned satellites have proper clearances to operate in designated orbital locations and associated landing rights. AIS customers are not responsible for obtaining satellite frequency clearances or landing rights in order to utilize these satellites services. For our Partner Capacity offerings, third party operators provide AIS similar assurances by virtue of our Master Services Agreements.

Not included as part of a satellite capacity (bandwidth) purchase, but available from AIS, are Host Nation Agreements (HNA) for the operation of a satellite earth terminal in a particular country or territory. AIS’s HNA service offering provides for all anticipated costs such as terrestrial frequency clearance, host nation spectrum and license fees, legal, engineering, frequency interference / coordination resolution, radiation hazard studies and all related issues necessary for AIS customers to operate in the host nation. Pricing does not include costs related to travel, if required. Leveraging AIS’s third party access to teleport and terrestrial services, AIS provides an operationally responsive approach to Transponded delivery requirements.
Portability
With a global access to third party operated satellites, teleports, and a redundant terrestrial infrastructure, AIS offers portability of service between regions. Using a robust Network Management System (NMS), AIS can provide rapid service portability by changing the remote side modem configuration, often without the involvement of the remote user. Portability is subject to availability of AIS global third-party network resources. Prior to Task Order award or a modification, specific terms and conditions, including pricing in relation to net present value, will be determined.

Flexibility/Optimization
AIS has a unique capability to re-groom resources for spectral, operational or price efficiencies. AIS offers flexibility and optimization as part of the re-grooming process to quickly meet customer requirements. AIS can reallocate or re-locate bandwidth and resources across our third-party resources. AIS, as a provider of best value solutions, is a significant buyer of third-party (non-AIS) capacity. AIS regularly works with satellite operators and resellers of satellite bandwidth to find additional resources, negotiate price efficiencies that can be passed directly to the customer, and find the optimal solution that meets customer requirements. Our design and implementation process for providing customers with optimal solutions for new requirements can involve many of the processes entailed by re-grooming existing services. Therefore, as a first step of the re-grooming process, AIS provides the customer with a solution that best meets the requirement specifications. Through the implementation and/or recommendation of advanced coding, modulation and/or hardware/software upgrades, AIS will then provide analyses of space segment, teleport, and network resource utilization to maximize/increase:
- The number of carriers on proposed/existing allocated bandwidth; and/or
- The number of carriers on proposed/existing terminals, and/or
- Data rates (throughput)
Bandwidth savings or additional throughput capabilities from the optimization are commonly presented to the customer whether or not the customer decides to take advantage of them.

Net Ready/Interoperability
The AIS engineering staff is well versed in the various standards and practices to inter-operate with government and commercial facilities and teleports. AIS is intimately familiar with the various government and commercial interoperability requirements to ensure successful service implementation. AIS also routinely employs the necessary interface and protocol conversion devices to enable nonstandard legacy devices to inter-operate with government and commercial teleports and gateways.

Network Monitoring/NetOps
Tasked with fault management, resolution, performance management, and quality assurance, the AIS Engineering Network Operations Center (NOC) is the 24x7 single point of contact for monitoring all services, ensuring operational integrity. To support this important function, a Monitoring and Control (M&C) link will be installed for each Task Order to provide status of all circuit elements. Information from the monitoring system is captured as near-real time data and will be used to deliver fault, incident, outage, and availability reporting. This information will be made available to U.S. Government authorized users as defined by the Ordering Activity. AIS can provide the fault and performance management reports/data on a requested frequency using secure e-mail, facsimile, electronic interface directly through the use of a Web Portal that provides near-real time end-to-end view of the circuit. The circuit fault and performance information in the Web Portal is directly derived from the NOC M&C systems. In case of a
disaster at the NOC facility in Melbourne, AIS will use the Backup NOC facility in Silver Spring to ensure continued operational support service for the customer.

**EMI/RFI/Geo-location**

AIS uses the following methods to identify, characterize, and mitigate interference:

*Satellite-Carrier Monitoring:* Every satellite downlink beam and transponder will be monitored in real-time with our satellite carrier monitoring systems.

*Earth Station Monitoring:* The teleport antennas and associated Radio Frequency (RF) equipment chain use M&C systems to verify the operation and status of the antenna and all RF and baseband units. Working with earth station staff, the NOC isolates and eliminates any RFI events induced by Operator’s station equipment.

*Frequency Planning and Earth Station Databases:* Most RFI events are resolved through the NOC operators’ knowledge and experience recognizing and identifying spurious carriers. Many of these carriers are licensed earth stations operating off-nominal in polarization or pointing. Working with our third-party satellite operators to use their extensive databases, showing all carriers and earth stations on the operating and adjacent satellite within the system, quickly narrows the possible source of interference. The stations are then contacted by the offended satellite carrier and steps taken to correct their operation. Additionally, NOC operators maintain close contacts within the satellite operations community and work closely with adjacent operators to resolve issues which may arise.

*Interference Geo-Location System:* AIS coordinates with our satellite carriers to use the interference geo-location system which identifies the geographic source of signals interfering with carriers operating in the network. Once satellite transmitters are eliminated as possible sources of interference, we use the interference geo-location capabilities to locate the geographic source. These systems are valuable in locating intentional, mobile, or other unusual interference sources. The satellite carrier geo-location capability allows the NOC to quickly and routinely identify and resolve interference events. The NOC provides regular updates through the interference resolution process and logs details in the trouble ticketing system in the Web Portal for immediate access to authorized US Government users. If the interference cannot be resolved in a timely manner, the NOC will arrange for the assignment with the carrier for a temporary frequency, based on availability, until such time the interference issue is resolved successfully, and the original carrier is fully restored to contractual operational parameters.

**Security**

AIS has the requisite facility and personnel clearances to the secret level and can increase simply with a sponsor agency DD-254. AIS will make available for incident resolution involving classified matters the President of AIS, Facility Security Officer, Program Manager, and others as necessary. These individuals have the necessary clearances to resolve Transponded service-related issues. In addition, AIS operates a secure operations center (NOC) on a 24/7 basis. The NOC personnel and facility are appropriately cleared as are AIS’s CEO and Vice President responsible for satellite operations.
SUBSCRIPTION SERVICE NETWORKS:

Requirements Assessment
This analytical effort establishes the requirements for a private network based on the assessment of a customer’s communications requirements and applications, the region(s) of coverage. No analysis is required for standing shared networks that a customer wishes to join, as equipment requirements and network configuration are fixed. Analyses for private networks will be performed to determine the satellite, teleport, and remote site equipment required to achieve the network requirements. These efforts will include link budget analyses (LBAs) and multi-destination analyses (MDAs) for the teleport and satellite services required to achieve the desired availability for the sites defined for the network. Security requirements of the network and any required backhaul of the customer’s data shall also be addressed. In addition to the LBA and/or MDA outputs, this assessment shall include a functional diagram for the proposed network and a description of the very small aperture terminals (VSATs) required for each of the remote sites of the network. If the remote site equipment has been specified by the customer (e.g., an existing network needs to be migrated), then AIS will consider the performance of this equipment when defining the network.

Shared Subscription Services Networks
This service offering is most suitable for customer sites that require typical Internet based capabilities, such as email, browsing, file downloads, and webcam, though VTC and VoIP capabilities are also possible. This service provides the satellite capacity, teleport uplink/downlink services, and terrestrial connectivity to support operations on a shared network utilizing iDirect hub technology. The data rate for inbound (to the teleport) service on these networks is typically 1.5 Mbps. Outbound (from the teleport) data rates are 3 Mbps. AIS’s shared networks will not be oversubscribed -- meaning the aggregate Committed Information Rate (CIR) for all users on these networks will not exceed the total network capacity. Bursting into unused capacity is permitted with burst rates keyed to the CIR levels of service which are offered. The price of service on each network is unique to that network. This offering is designed for bandwidth limited (satellite efficient) operations. AIS provides guidelines for antenna and transmitter sizes required for operations on these networks. AIS's current Services have been optimized to operate with either a 1.8m Ku-band VSAT with an 8 watt Block Up Converter (BUC) or a 2.4m to 3.8m C-band VSAT with a 5-watt BUC.

Private Subscription Services Networks (Bandwidth or Power Limited)
This service offering is typically preferred by customers who wish to have custom configurations on their network in an enterprise services environment. Terminal size, transmitter power, traffic prioritization, and custom Quality of Service (QoS) are just some of the features and attributes over which a customer can exercise a preference when selecting a Private network service offering. Private Networks can be designed to accommodate existing VSAT equipment or optimized for efficiency with new hardware.

Private Bandwidth Limited C & Ku-band Networks
This service provides the satellite capacity, teleport uplink/downlink services, and terrestrial (IP) connectivity to support the operation of a private network. This service is offered on any AIS arranged satellite, subject to availability. Data rates for these networks range from an aggregated throughput (sum of both directions of service) of 1 Mbps to 20 Mbps. iDirect hub equipment is available at all AIS provided teleport arrangements. Pricing is valid for either C or Ku-band service and is valid for
networks on a global basis. This offering is designed for bandwidth limited (satellite efficient) operations. AIS will either: 1) determine the VSAT equipment (antenna size and transmitter power) required to support a customer’s desired service throughputs on a particular satellite and teleport for specific remote site locations or operating area, or 2) customer-defined VSAT (antenna and transmitter power) for all remote site locations or operating area.

**Private Power Limited C & Ku-Band Networks**

This service provides the satellite capacity, teleport uplink/downlink services, and terrestrial (IP) connectivity to support the operation of a private network. This service is offered on any AIS leased satellite segment, subject to availability. iDirect hub equipment is available at all AIS arranged teleports. Pricing is valid for either C or Ku-band service based on networks ranging in size from 2 to 72 MHz. This offering is designed for power limited (satellite inefficient) operations. These inefficiencies may be the result of using very small dish or array antennas as the remote site equipment for these networks. These antennas would be associated with communications-on-the-move (COTM) operations or small man-pack terminals. AIS will either: 1) analyze user requirements to determine the equipment ensemble (antenna size and transmitter power) required to support a customer’s desired service on a particular satellite and teleport for specific remote site locations or operating area, or 2) determine the data rates which can be supported by a particular satellite and teleport for a customer’s pre-existing or pre-defined equipment ensemble (antennas and transmitter power) for specific remote site locations or operating area. Since data rates/throughputs of these networks are dictated by the performance of the remote site terminals and these terminals may require the use of frequency spreading techniques in order to meet FCC or ITU communications guidelines, the Power Limited Networks are priced based on the bandwidth (MHz/month) required to support the data rates specified by the customer. (Note: The same Power Limited network may support different data rates based on the remote site equipment used by the customer or the area of coverage specified for the service.)

**Network Engineering**

iDirect’s Network Management System (NMS) was designed and developed to provide comprehensive network configuration, monitoring, diagnosis, and analysis capabilities. The NMS is a complete GUI based system that provides an easy to use and intuitive interface for operations and management personnel. It is designed to provide multiple levels of data validation, multicast downloads/upgrades, multi-user capability, visual diagnosis capability, graphical display of information, and data analysis capabilities. iDirect NMS has received numerous accolades from our Network Operator partners for its feature richness and ease-of-use. To assure adequate bandwidth for real time applications such as voice and video, NMS software offers the following configuration and control techniques:

- **Application QoS**
  Quality of Service is built into the system enabling real-time identification, classification, and prioritization of data traffic. iDirect’s system recognizes different traffic types and assigns VoIP packets the highest priority within the data transport stream minimizing the impact of data traffic on the voice packets.

- **Segmentation and Reassembly (SAR)**
  SAR divides packets of varying sizes into equal sized cells allowing for more effective QoS prioritization handling. With the implementation of iDirect’s SAR feature, all packets will be broken into equal sized cells capable of being groomed to equal the bandwidth of one timeslot. This ensures that at any instance, a
voice packet will not have to wait for more than one timeslot to be transmitted will not have to wait for more than one timeslot to be transmitted.

➢ Committed Information Rate (CIR)
QoS at a remote terminal ensures that higher priority traffic is transmitted first, but it does not guarantee that there is sufficient bandwidth at the network level (shared level) to carry the VoIP traffic. In a congested network state (peak hour traffic), if all bandwidth is being dynamically allocated, the fairness algorithm will distribute the bandwidth to all network sites evenly, regardless of traffic volume.

➢ Dynamic CIR
A Network Operator can efficiently groom the in route, enabling CIR to be dynamically controlled.

➢ Application Triggered CIR
For applications that is that require a CIR, the iDS software will assign the remote network terminal its CIR only when voice traffic is present.

➢ Feathering Timeslot Allocation timeslots across a frame.

➢ Network Quality of Service
When enabled, the iDS measures the type of traffic that is creating demand at all remote terminals and allocates bandwidth appropriately in an “on-demand” mode to each remote.

➢ Compressed RTP (cRTP)
The iDirect system has built a “header compression” feature into the RTTM feature set reducing the overall bandwidth required to support a VoIP call. iDirect’s addition of cRTP reduces the bandwidth requirements down to about 12 Kbps per voice call achieving a 50% savings in bandwidth.

The NMS also provides all essential monitor and control operations for a network from AIS’s centrally located network operations center, the NOC. All features of a network are available from one console. It is completely GUI based and allows for easy configuration, problem identification, problem isolation and problem remedy.

The iDirect NMS designed to be modular, consists of the iDirect NMS Server, iDirect NMS Clients including iBuilder, iMonitor and iSite. The iBuilder product provides all configuration and control capabilities, including the ability to send software and firmware updates over-the-air to remote locations. This product provides graphical views of network layout and allows all system parameters to be viewed and configured from an intuitive, easy to use graphical user interface (GUI).

The iMonitor product provides extensive tools for passive monitoring and active investigation of network behavior. The warnings and alarms provide asynchronous visual and audio notification of system anomalies and ties directly into advanced graphical tools for querying and displaying network statistics. All network data, including warnings, alarms, events, and statistics, is available in either real-time or from the historical archive. Both iBuilder and iMonitor allow for remote, on-call access. All that’s required is IP connectivity to the back-end NMS servers. The data rates required for even the most advanced displays are fairly low, allowing very useable access over slow dialup lines.

The iDirect NMS allows networks to be partitioned for any configuration which lines up with to an organization’s concept of operations. By dividing the networks across multiple instances of the NMS, network managers can consider geographic areas, satellite transponders, or groups of remote sites separately (as appropriate). The NMS provides individual user login capability along with privilege levels. By specifying which customers have access to which groups of sites, a network manager can distribute monitoring and control functions across the operations staff as appropriate.
**Information Assurance**
Information assurance is extremely important to AIS and is built into every aspect of our operation's networks. AIS currently meets all Information Assurance requirements as defined by the Information Assurance Checklist for future Subscription Services task orders. In the past, AIS has submitted IA compliance checklists for various task orders, including DoDI 8500.2 (MAC I, II and III) and NIST 800-53. AIS has a team of employees dedicated to overseeing the IA compliance responsibilities of our operation's networks.

**Delivery Schedule/Responsiveness**
Leveraging AIS's global iDirect hub infrastructure, AIS provides an operationally responsive approach to Subscription Services delivery requirements. AIS can rapidly respond to requirements both by leveraging standing networks and by quickly expanding operational capabilities to meet emerging requirements. All new Subscription Service requirements which can be met by existing AIS iDirect infrastructure can be delivered within the defined 15 day standard delivery. In cases where AIS can leverage standing Shared Services networks, it will be possible to provide services in the accelerated or time-critical delivery timeframes.

**Portability**
With a global iDirect hub and supporting terrestrial and space infrastructure, AIS can offer portability of service between regions. Using a robust Network Management System (NMS) and proprietary iDirect tools, AIS provides rapid service portability by changing the hub and remote side modem configuration. Portability is subject to availability of AIS leased global network resources. Prior to Task Order or service award or a modification, specific terms and conditions, including pricing in relation to net present value, will be determined.

**Flexibility/Optimization**
AIS has a unique capability to re-groom resources for spectral, operational or price efficiencies. As owners and operators of leased satellite segment and extensive iDirect hub infrastructure, AIS offers flexibility and optimization to quickly meet customer requirements. AIS, as a provider of best value solutions, is a significant buyer of third-party (non-AIS) capacity. As needed, AIS couples third party space segment with our iDirect infrastructure to meet customer requirements.

**Net Ready/Interoperability**
The AIS engineering staff is well versed in the various standards and practices to interoperate with government and commercial teleports. With the migration towards the all IP solution (EoIP), AIS has expertise in interfacing IP transport infrastructure with legacy TDM equipment and serial bit stream devices with clear and encrypted data. AIS only use standard interfaces to ensure interoperability. AIS also routinely employs the necessary interface and protocol conversion devices to enable nonstandard legacy devices to inter-operate with government and commercial teleports and gateways.

**Network Monitoring/NetOps**
Tasked with fault management, resolution, performance management, and quality assurance, the AIS Engineering Network Operation Center (NOC) is the 24x7 single point of contact for monitoring all Subscription Services, ensuring operational integrity. To support this important function, iDirect's proprietary iMonitor suite is employed as an overlay onto AIS’s extensive Monitoring and Control.
(M&C) network. Information from the monitoring system is captured as near-real-time data and will be used to deliver fault, incident, outage, and availability reporting. This information will be made available to US Government authorized users as defined in the TO award. AIS can provide the fault and performance management reports/data on a requested frequency using secure e-mail, facsimile, or directly through the use of a Web Portal that provides near real time end-to-end view of the circuit. The circuit fault and performance information in the Web Portal is directly derived from the NOC M&C systems. In case of a disaster at the NOC facility in Melbourne, AIS will use the Backup NOC facility in Silver Spring to ensure continued operational support service for the customer.

The network monitoring and control functions available through the iDirect NMS include:

- Configuration management
- Fault management
- Performance management
- Account management
- Satellite Carrier Management
- Traffic management
- Security management
- Statistics and report generation management
- Remote authentication and management
- SNMP Support

**EMI/RFI/Geo-location**

AIS uses the following methods to identify, characterize, and mitigate interference:

**Satellite-Carrier Monitoring.** Every satellite downlink beam and transponder will be monitored in real-time with our satellite carrier monitoring systems.

**Earth Station Monitoring**

The teleport antennas and associated Radio Frequency (RF) equipment chain use M&C systems to verify the operation and status of the antenna and all RF and baseband units. Working with earth station staff, the NOC isolates and eliminates any RFI events induced by Operator’s station equipment.

**Frequency Planning and Earth Station Databases**

Most RFI events are resolved through the NOC operators’ knowledge and experience recognizing and identifying spurious carriers. Many of these carriers are licensed earth stations operating off-nominal in polarization or pointing. Working with our third-party satellite operators to use their extensive databases, showing all carriers and earth stations on the operating and adjacent satellite within the system, quickly narrows the possible source of interference. The stations are then contacted by the offended satellite carrier and steps taken to correct their operation. Additionally, NOC operators maintain close contacts within the satellite operations community and work closely with adjacent operators to resolve issues which may arise.

**Interference Geo-Location System:** AIS coordinates with our satellite carriers to use the interference geo-location system which identifies the geographic source of signals interfering with carriers operating in the network. Once satellite transmitters are eliminated as possible sources of interference, we use the interference geo-location capabilities to locate the geographic source. These systems are valuable in
locating intentional, mobile, or other unusual interference sources. The satellite carrier geo-location capability allows the NOC to quickly and routinely identify and resolve interference events. The NOC provides regular updates through the interference resolution process and logs details in the trouble ticketing system in the Web Portal for immediate access to authorized US Government users. If the interference cannot be resolved in a timely manner, the NOC will arrange for the assignment with the carrier for a temporary frequency, based on availability, until such time the interference issue is resolved successfully and the original carrier is fully restored to contractual operational parameters.

**Security:** AIS has the requisite facility and personnel clearances to the secret level and can increase simply with a sponsor agency DD-254. AIS will make available for incident resolution involving classified matters the President of AIS, Facility Security Officer, Program Manager, and others as necessary. These individuals have the necessary clearances to resolve Transponded service-related issues. In addition, AIS operates a secure operations center (NOC) on a 24/7 basis. The NOC personnel and facility are appropriately cleared as are AIS's CEO and Vice President responsible for satellite operations.

- **Satellite-Carrier Monitoring:** Every satellite downlink beam and transponder will be monitored in real-time with our satellite carrier monitoring systems.

- **Earth Station Monitoring:** The teleport antennas and associated Radio Frequency (RF) equipment chain use M&C systems to verify the operation and status of the antenna and all RF and baseband units. Working with earth station staff, the NOC isolates and eliminates any RFI events induced by station equipment.

- **Frequency Planning and Earth Station Databases:** Most RFI events are resolved through the NOC operators' knowledge and experience recognizing and identifying spurious carriers. Many of these carriers are licensed, non-AIS earth stations operating off-nominal in polarization or pointing. Our extensive databases, showing all carriers and earth stations on the operating and adjacent satellite within our system, quickly narrow the possible source of interference. These stations are then contacted and steps taken to correct their operation. Additionally, NOC operators maintain close contacts within the satellite operations community and work closely with adjacent operators to resolve issues crossing corporate boundaries.

- **Interference Geo-Location System:** The interference geo-location system identifies the geographic source of signals interfering with carriers operating in the system. Once transmitters are eliminated as possible sources of interference, we use our interference geo-location capabilities to locate the geographic source. These systems are valuable in locating intentional, mobile, or other unusual interference sources. The geo-location capability allows the NOC to quickly and routinely identify and resolve interference events. If the interference cannot be resolved in a timely manner, the NOC will assign the carrier to a temporary frequency, based on availability, until such time the interference issue is resolved successfully and the original carrier is fully restored to contractual operational parameters.
## PRODUCT NAME AND DESCRIPTION

<table>
<thead>
<tr>
<th>MFR</th>
<th>PRODUCT#</th>
<th>PRODUCT NAME AND DESCRIPTION</th>
<th>GSA PRICE</th>
</tr>
</thead>
<tbody>
<tr>
<td>O3b Networks</td>
<td>AIS-O3B-2TERM12M-20W- V-ST</td>
<td>1.2 Meter / 20W / ViaSat / Dual Antenna Shipboard Terminal-2 x 1.2 Meter Maritime Antenna System with Central Control Unit and Dual System Selector, 2 x Above Deck F/O Converter, 2 x Below Deck F/O Converter and 2 x 500 Meter Fiber Cable Runs. Includes the following sub-components: 2 x High Band 20W Block Up Converter (BUC) and Power Supply Units, 2 x High Band Ka-Band LNB and Mounting Hardware, 1 x ViaSat High Speed O3b Modem, 1 x Site Interface Router and 1 x Connector and Assembly Kit. Completely integrated, tested, packaged, and prepared for shipment.</td>
<td>$262,940.05</td>
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<tr>
<td>O3b Networks</td>
<td>AIS-O3B-3TERM12M-20W- V-ST</td>
<td>1.2 Meter / 20W / ViaSat / Triple Antenna Shipboard Terminal-3 x 1.2 Meter Maritime Antenna System with Central Control Unit and Dual System Selector, 3 x Above Deck F/O Converter, 3 x Below Deck F/O Converter, and 3 x 500 Meter Fiber Cable Runs. Includes the following sub-components: 3 x High Band 20W Block Up Converter (BUC) and Power Supply Units, 3 x High Band Ka-Band LNB and Mounting Hardware, 1 x ViaSat High Speed O3b Modem, 1 x Site Interface Router and 1 x Connector and Assembly Kit. Completely integrated, tested, packaged, and prepared for shipment.</td>
<td>$372,734.72</td>
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<tr>
<td>O3b Networks</td>
<td>AIS-O3B-2TERM18M-40W-V-GT</td>
<td>1.8 Meter / 40 Watt / ViaSat Modem / Dual Antenna Ground Terminal-2 x 1.8 Meter Antenna Subsystem with Indoor ACU, Antenna/ACU AC Power Supply; Outdoor PDU Antenna Mount, 2 x Ka-Band CP Feed RH/LH, 2 x Single Piece SMC Reflector, and 2 x Modified Pole Mount with Two Axis Motorization. Includes the following sub-components: 2 x High Band 40W Block Up Converter (BUC) and Power Supply Units, 1 x BUC Mounting Kit, 2 x High Band Ka-Band LNB, 1 x ViaSat High Speed O3b Modem, 1 x Site Interface Router, and 1 x Connector Assembly Kit. Completely integrated, tested, packaged, and prepared for shipment.</td>
<td>$115,230.30</td>
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<td>O3b Networks</td>
<td>AIS-O3B-2TERM18M-40W-C-GT</td>
<td>1.8 Meter / 40 Watt / Comtech Modem / Dual Antenna Ground Terminal-2 x 1.8 Meter Antenna Subsystem with Indoor ACU, Antenna/ACU AC Power Supply; Outdoor PDU Antenna Mount, 2 x Ka-Band CP Feed RH/LH, 2 x Single Piece SMC Reflector, and 2 x Modified Pole Mount with Two Axis Motorization. Includes the following sub-components: 2 x High Band 40W Block Up Converter (BUC) and Power Supply Units, 1 x BUC Mounting Kit, 2 x High Band Ka-Band LNB, 2 x Comtech High Speed O3b Modem, 1 x Site Interface Router, and 1 x Connector and Assembly Kit. Completely integrated, tested, packaged, and prepared for shipment.</td>
<td>$123,559.46</td>
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<td>O3b Networks</td>
<td>AIS-O3B-2TERM22M-20W-V-ST</td>
<td>2.2 Meter / 20W / ViaSat / Dual Antenna Shipboard Terminal-2 x 2.2 Meter Maritime Antenna System with Central Control Unit and Dual System Selector, 2 x Above Deck F/O Converter, 2 x Below Deck F/O Converter, and 2 x 500 Meter Fiber Cable Runs. Includes the following sub-components: 2 x High Band 20W Block Up Converter (BUC) and Power Supply Units, 2 x High Band Ka-Band LNB and Mounting Hardware, 1 x ViaSat High Speed O3b Modem, 1 x Site Interface Router and 1 x Connector and Assembly Kit. Completely integrated, tested, packaged, and prepared for shipment.</td>
<td>$452,164.05</td>
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<td>O3b Networks</td>
<td>AIS-O3B-3TERM22M-20W-V-GT</td>
<td>2.2 Meter / 20W / ViaSat / Triple Antenna Shipboard Terminal-3 x 2.2 Meter Maritime Antenna System with Central Control Unit and Dual System Selector, 3 x Above Deck F/O Converter, 3 x Below Deck F/O Converter, and 3 x 500 Meter Fiber Cable Runs. Includes the following sub-components: 3 x High Band 20W Block Up Converter (BUC) and Power Supply Units, 3 x High Band Ka-Band LNB and Mounting Hardware, 1 x ViaSat High Speed O3b Modem, 1 x Site Interface Router and 1 x Connector Assembly Kit. Completely integrated, tested, packaged, and prepared for shipment.</td>
<td>$657,749.64</td>
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<td>O3b Networks</td>
<td>AIS-O3B-TERM24M-40W-V-GT</td>
<td>2.4 Meter / 40 Watt / ViaSat Modem / Dual Antenna Ground Terminal-2 x 2.4 Meter Antenna Subsystem with Indoor ACU, Antenna/ACU AC Power Supply; Outdoor PDU Antenna Mount, 2 x Ka-Band CP Feed RH/LH, 2 x Single Piece SMC Reflector, and 2 x Modified Pole Mount with Two Axis Motorization. Includes the following sub-components: 2 x High Band 40W Block Up Converter (BUC) and Power Supply Units, 1 x BUC Mounting Kit, 2 x High Band Ka-Band LNB, 1 x ViaSat High Speed O3b Modem, 1 x Site Interface Router, and 1 x Connector and Assembly Kit. Completely integrated, tested, packaged, and prepared for shipment.</td>
<td>$121,991.88</td>
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<td>O3b</td>
<td>AIS-O3B- TERM24M-40W-C- GT</td>
<td>2.4 Meter / 40 Watt / Comtech Modem / Dual Antenna Ground Terminal 2 x 2 Meter Antenna Subsystem with Indoor ACU, Antenna/ACU AC Power Supply; Outdoor PDU Antenna Mount, 2 x Ka-Band CP Feed RH/LH, 2 x Single Piece SMC Reflector, and 2 x Modified Pole Mount with Two Axis Motorization. Includes the following sub-components: 2 x High Band 40W Block Up Converter (BUC) and Power Supply Units, 1 x BUC Mounting Kit, 2 x High Band Ka-Band LNB, 2 x Comtech High Speed O3b Modem, 1 x Site Interface Router, and 1 x Connector and Assembly Kit. Completely integrated, tested, packaged, and prepared for shipment.</td>
<td>$130,397.35</td>
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<td>O3b</td>
<td>AIS-O3B- TERM45M-500W- V-GT</td>
<td>4.5 Meter / 500 Watt / ViaSat Modem / Dual Antenna Ground Terminal-2 x 4.5m Az/El antenna with Program Track with Step Track Assist. Includes the following sub-components: 2 x 500W HPA Assembly, 1x ViaSat High Speed O3b Modem, 1 x Site Interface Router, and Connector and Assembly Kit. Completely integrated, tested, packaged, and prepared for shipment.</td>
<td>$889,021.90</td>
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<td>O3b</td>
<td>AIS-O3B- 2TERM12M-20W- V-ONSITE- SPARESKIT</td>
<td>1.2 Meter On-site Shipboard Terminal Spares Kit for 1.2M / 20 Watt / ViaSat Modem / Dual Maritime Antenna System. Tested, packaged, and prepared for shipment.</td>
<td>$72,589.96</td>
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<td>O3b</td>
<td>AIS-O3B- 3TERM12M-20W- V-ONSITE- SPARESKIT</td>
<td>1.2 Meter On-site Shipboard Terminal Spares Kit for 1.2M / 20 Watt / ViaSat Modem / Triple Antenna System. Tested, packaged, and prepared for shipment.</td>
<td>$75,975.19</td>
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<td>O3b</td>
<td>AIS-O3B- TERM18M-40W-V-ONSITE-SPARESKIT</td>
<td>1.8 Meter On-site Ground Terminal Spares Kit for 1.8M / 40 Watt / ViaSat Modem Dual Antenna Ground Terminal System. Tested, packaged, and prepared for shipment.</td>
<td>$84,913.62</td>
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<td>O3b</td>
<td>AIS-O3B- 2TERM18M-40W-C- ONSITE-SPARESKIT</td>
<td>1.8 Meter On-site Ground Terminal Spares Kit for 1.8M / 40 Watt / Comtech / Dual Antenna Ground Terminal System. Tested, packaged, and prepared for shipment.</td>
<td>$68,283.63</td>
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<tr>
<td>O3b</td>
<td>AIS-O3B- 2TERM22M-20W- V-ONSITE- SPARESKIT</td>
<td>2.2 Meter On-site Shipboard Terminal Spares Kit for 2.2M / 20 Watt / ViaSat Modem/ Dual Maritime Antenna System. Tested, packaged, and prepared for shipment.</td>
<td>$75,975.19</td>
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<td>O3b</td>
<td>AIS-O3B- TERM24M-40W-V-ONSITE- SPARESKIT</td>
<td>2.4 Meter On-site Ground Terminal Spares Kit for 2.4M / 40 Watt / ViaSat / Dual Antenna Ground Terminal System. Tested, packaged, and prepared for shipment.</td>
<td>$76,580.87</td>
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<td>O3b</td>
<td>AIS-O3B- TERM24M-40W-C- ONSITE-SPARESKIT</td>
<td>2.4 Meter On-site Ground Terminal Spares Kit for 2.4M / 40 Watt / Comtech / Dual Antenna Ground Terminal System. Tested, packaged, and prepared for shipment.</td>
<td>$68,283.63</td>
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<td>O3b</td>
<td>AIS-O3B- TERM45M-500W-V-ONSITE-SPARESKIT</td>
<td>4.5 Meter On-site Ground Terminal Spares Kit for 4.5M / 500 Watt / ViaSat / Dual Antenna Ground Terminal System. Tested, packaged, and prepared for shipment.</td>
<td>$325,677.18</td>
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<td>O3b</td>
<td>AIS-O3B- TERMINAL-V- SPARE</td>
<td>ViaSat O3b High Speed Modem, 1 Modulator, 2 Demodulators</td>
<td>$32,914.88</td>
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<td>O3b</td>
<td>AIS-O3B- TERMINAL-C- SPARE</td>
<td>Comtech O3b High Speed Modem, 1 Modulator, 1 Demodulator</td>
<td>$45,775.30</td>
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<td>O3b</td>
<td>AIS-O3B- TERMINAL-20W- SPARE</td>
<td>O3b Ka-Band 20 Watt Block Up Converter with Power Supply</td>
<td>$22,875.57</td>
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<td>O3b</td>
<td>AIS-O3B- TERMINAL-40W- SPARE</td>
<td>O3b Ka-Band 40 Watt Block Up Converter with Power Supply</td>
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<td>AIS-O3B- TERMINAL-500W- SPARE</td>
<td>O3b 500 Watt HPA</td>
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<td>AIS-O3B- TERMINAL-LNB- SPARE</td>
<td>O3b Ka-Band LNB</td>
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<td>AIS-O3B- TERMINAL-ROUTER-SPARE</td>
<td>O3b Site Router</td>
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<td>iDirect</td>
<td>HB5IF-e3-5IFG</td>
<td>5-IF Hub System with Chassis EVOLUTION w/ 3 eM1D1 Hub Line Cards and 5 Licensed IF groups: 11U Hub Chassis, 20 Slot Chassis Assembly with Redundant AC Power Supply, 5Tx, 5Rx Ports, iDirect High Capacity NMS Server-Dual Processor, Software (loaded), iDirect High Capacity Protocol Processor System-Dual Processor, Software (loaded), iDirect Graphical User Interface (GUI) Client Software (Including: iBuilder and iMonitor), 2 Reference Clock Modules, KVM 8-Port Switch, Hub LAN Switch: 48 Port Gigabit Ethernet LAN Switch Hub Broadband Router: (2) Hub Broadband Router Universal Line Card - Inbound/Outbound (eM1D1), (3), All Line Cards include 2 IF Cables and 1 LAN Patch Cable, iDS/iDX Network Software, 3 Years 24x7 Hour Hardware Support on all bundled servers, Network Software (iDX 2.0 or above), Hub Lan Switch - Spare 12ft KVM Cables - Spare Please be sure to identify Power Cord selection. Must purchase HB5-IMPLE (5 IF implementation package) (includes 15 months of iSupport from date of delivery).</td>
<td>$427,177.27</td>
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<td>iDirect</td>
<td>HB5IF-x3-5IFG</td>
<td>5-IF Hub System with Chassis EVOLUTION w/ 3 XLC-11 Hub Line Cards and 5 Licensed IF Groups: 11U Hub Chassis, 20 Slot Chassis Assembly with Redundant AC Power Supply, 5Tx, 5Rx Ports, iDirect High Capacity NMS Server-Dual Processor, Software (loaded), iDirect High Capacity Protocol Processor System-Dual Processor, Software (loaded), iDirect Graphical User Interface (GUI) Client Software (Including: iBuilder and iMonitor), 2 Reference Clock Modules, KVM 8-Port Switch, Hub LAN Switch: 48 Port Gigabit Ethernet LAN Switch Hub Broadband Router: (2) Hub Broadband Router Universal Line Card - Inbound/Outbound (XLC-11), (3), All Line Cards include 2 IF Cables and 1 LAN Patch Cable, iDS/iDX Network Software, 3 Years 24x7 Hour Hardware Support on all bundled servers, Network Software (iDX 2.0 or above), Hub Lan Switch - Spare 12ft KVM Cables - Spare Please be sure to identify Power Cord selection. Must purchase HB5-IMPLE (5 IF implementation package) (includes 15 months of iSupport from date of delivery).</td>
<td>$394,845.58</td>
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<td>iDirect</td>
<td>HB5IF-x2-5IFG</td>
<td>5-IF Hub System with Chassis EVOLUTION &quot;PAY AS YOU GROW&quot; w/ 3 eM1D1 Hub Line Cards and 5 Licensed IF Groups 11U Hub Chassis, 20 Slot Chassis Assembly with Redundant AC Power Supply, 5Tx, 5Rx Ports, iDirect High Capacity NMS Server-Dual Processor, Software (loaded), iDirect High Capacity Protocol Processor System-Dual Processor, Software (loaded), iDirect Graphical User Interface (GUI) Client Software (Including: iBuilder and iMonitor), 2 Reference Clock Modules, KVM 8-Port Switch, Hub LAN Switch: 48 Port Gigabit Ethernet LAN Switch Hub Broadband Router: (2) Hub Broadband Router Universal Line Card - Inbound/Outbound (eM1D1), (3), All Line Cards include 2 IF Cables and 1 LAN Patch Cable, iDS/iDX Network Software, 3 Years 24x7 Hour Hardware Support on all bundled servers, Network Software (iDX 2.0 or above), Hub Lan Switch - Spare 12ft KVM Cables - Spare Please be sure to identify Power Cord selection. Must purchase HB5-IMPLE (5 IF implementation package) (includes 15 months of iSupport from date of delivery).</td>
<td>$372,679.34</td>
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<td>iDirect</td>
<td>HB5IF-x2-5IFG</td>
<td>5-IF Hub System with Chassis EVOLUTION &quot;PAY AS YOU GROW&quot; w/ 3 eM1D1 Hub Line Cards and 1 Licensed IF Group: 1U Hub Chassis, 20 Slot Chassis Assembly with Redundant AC Power Supply, 5Tx, 5Rx Ports, iDirect High Capacity NMS Server-Dual Processor, Software (loaded), iDirect High Capacity Protocol Processor System-Dual Processor, Software (loaded), iDirect Graphical User Interface (GUI) Client Software (Including: iBuilder and iMonitor), 2 Reference Clock Modules, KVM 8-Port Switch, Hub LAN Switch: 48 Port Gigabit Ethernet LAN Switch Hub Broadband Router: (2) Hub Broadband Router Universal Line Card - Inbound/Outbound (eM1D1), (3), All Line Cards include 2 IF Cables and 1 LAN Patch Cable, iDS/iDX Network Software, 3 Years 24x7 Hour Hardware Support on all bundled servers, Network Software (iDX 2.0 or above), Hub Lan Switch - Spare 12ft KVM Cables - Spare Please be sure to identify Power Cord selection. Must purchase HB5-IMPLE (5 IF implementation package) (includes 15 months of iSupport from date of delivery).</td>
<td>$372,679.34</td>
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<tr>
<td>iDirect</td>
<td>HB5IF-x2-5IFG</td>
<td>5-IF Hub System with Chassis EVOLUTION &quot;PAY AS YOU GROW&quot; w/ 3 eM1D1 Hub Line Cards and 1 Licensed IF Group: 1U Hub Chassis, 20 Slot Chassis Assembly with Redundant AC Power Supply, 5Tx, 5Rx Ports, iDirect High Capacity NMS Server-Dual Processor, Software (loaded), iDirect High Capacity Protocol Processor System-Dual Processor, Software (loaded), iDirect Graphical User Interface (GUI) Client Software (Including: iBuilder and iMonitor), 2 Reference Clock Modules, KVM 8-Port Switch, Hub LAN Switch: 48 Port Gigabit Ethernet LAN Switch Hub Broadband Router: (2) Hub Broadband Router Universal Line Card - Inbound/Outbound (eM1D1), (3), All Line Cards include 2 IF Cables and 1 LAN Patch Cable, iDS/iDX Network Software, 3 Years 24x7 Hour Hardware Support on all bundled servers, Network Software (iDX 2.0 or above), Hub Lan Switch - Spare 12ft KVM Cables - Spare Please be sure to identify Power Cord selection. Must purchase HB5-IMPLE (5 IF implementation package) (includes 15 months of iSupport from date of delivery).</td>
<td>$372,679.34</td>
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</table>
System Familiarization Services, Server Configuration Services, Baseband Hub Installation, Network Management System inclusive of travel and per diem expenses, but iDirect reserves the right to charge additional accrued expenses if warranted. Hub Engineering Design, Initial Network Configuration Services, Server Configuration Services, Baseband Hub Installation, Network Management System Familiarization.

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<td>iDirect</td>
<td>HB5IF-e3-1IFG-PAYG</td>
<td>iSupport on all bundled servers, All NMS and PP Servers include one 12' KVM Cable. Please be sure to identify Power Cord selection. REQUIRES IDX 2.0 OR GREATER. Includes 3 eM1D1, 3 Years 24x7 Hour Hardware Support on all bundled servers, Network Software (iDX 2.0 or above). Hub Lan Switch - Spare 12ft KVM Cables - Spare 12ft KVM Cables.</td>
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<td>iDirect</td>
<td>HB5IF-x3-1IFG-PAYG</td>
<td>iSupport on all bundled servers, Network Software (iDX 2.0 or above). Hub Lan Switch - Spare 12ft KVM Cables - Spare 12ft KVM Cables.</td>
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<td>iDirect</td>
<td>PAYG-ADDTL-1IFG</td>
<td>PAYG-ADDTL-1IFG ENHANCED iSupport and License for additional Timing Group Only offered with Hub purchase through AIS.</td>
<td>$10,489.07</td>
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<td>HUB-4SLOT-4IFIND-e2-EVOLUTION</td>
<td>HUB-4SLOT-4IFIND-e2-EVOLUTION 4SLOT 4IF IND HUB ANNUAL iSupport MAINTENANCE (BASIC CONFIG WITHOUT ADDITIONAL EQUIPMENT) Only offered with Hub purchase through AIS.</td>
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<td>iDirect</td>
<td>HB5IF-e3-5IFG TRANSEC</td>
<td>5IF Hub Implementation Package Implementation Package (price is inclusive of travel and per diem expenses, but iDirect reserves the right to charge additional accrued expenses if warranted); Hub Engineering Design, Initial Network Configuration Services, Server Configuration Services, Baseband Hub Installation, Network Management System Familiarization.</td>
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<td>iDirect</td>
<td>HB5-IMPLE</td>
<td>Implementation Services Package for Model 4 Slot 1 or 4 IF Implementation Package (price is inclusive of travel and per diem expenses, but iDirect reserves the right to charge additional accrued expenses if warranted); Hub Engineering Design, Initial Network Configuration Services, Server Configuration Services, Baseband Hub Installation, Network Management System Familiarization.</td>
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<td>XLC-11</td>
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<td>M0D1 Line Card</td>
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<td>PP-iSupport</td>
<td>PP iSupport ANNUAL ENHANCED iSUPPORT MAINTENANCE (iDIRECT TAC, SOFTWARE and LICENSE).</td>
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<td>K0000006-0002</td>
<td>iDirect High Capacity Dual Processor NMS Server</td>
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<td>NMS iSupport ANNUAL ENHANCED iSUPPORT MAINTENANCE (iDIRECT TAC, SOFTWARE and LICENSE).</td>
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<td>e8350-48</td>
<td>e8350 Satellite Evolution Router 48 VDC (FIPS, TRANSEC, COTM Capable)</td>
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<td>iDirect</td>
<td>e8350-FIPSL2-24</td>
<td>e8350-FIPSL2 Satellite Evolution Router 24VDC (FIPS, TRANSEC, COTM Capable) FIPS-140-2, LEVEL 2</td>
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<td>e8350-FIPSL2-48</td>
<td>e8350-FIPSL2 Satellite Evolution Router 48VDC (FIPS, TRANSEC, COTM Capable) FIPS-140-2, LEVEL 2</td>
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<td>E0001734-0001-AMS-PC</td>
<td>EVOLUTION, E8000-AR SATELLITE ROUTER w/ AMS-PC Bundle (includes iDirect EVOLUTION, E8000-AR SATELLITE ROUTER, In-flight Airborne Mobility System – PC Version for EVOLUTION, E8000-AR SATellite ROUTER)</td>
<td>$61,622.17</td>
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<td>iDirect</td>
<td>E0001734-0001-AMS-BI</td>
<td>EVOLUTION, E8000-AR SATellite ROUTER w/ AMS-BI Bundle (includes iDirect EVOLUTION, E8000-AR SATellite ROUTER, In-flight Airborne Mobility System – built in version for EVOLUTION, E8000-AR SATellite ROUTER)</td>
<td>$83,992.44</td>
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<tr>
<td>iDirect</td>
<td>K0000014-0003</td>
<td>e8350 Satellite Evolution Router (FIPS, TRANSEC, COTM Capable)</td>
<td>$12,236.00</td>
</tr>
<tr>
<td>iDirect</td>
<td>K0000042-0002</td>
<td>X3 Evolution Satellite Router</td>
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<tr>
<td>iDirect</td>
<td>X5</td>
<td>X5 Evolution Satellite Router</td>
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<td>eM1D1-2</td>
<td>eM1D1 Line Card (FIPS, TRANSEC, COTM Capable) (QTY 2)</td>
<td>$91,678.49</td>
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<tr>
<td>iDirect</td>
<td>eM1D1-5</td>
<td>eM1D1 Line Card (FIPS, TRANSEC, COTM Capable) (QTY 5)</td>
<td>$222,647.76</td>
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<tr>
<td>iDirect</td>
<td>XLC-11-2</td>
<td>XLC-11 (QTY 2)</td>
<td>$80,226.70</td>
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<td>iDirect</td>
<td>XLC-11-5</td>
<td>XLC-11 (QTY 5)</td>
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<td>XLC-M-2</td>
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<td>iDirect</td>
<td>XLC-M-5</td>
<td>XLC-M (QTY 5)</td>
<td>$95,243.83</td>
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<td>M1D1-2</td>
<td>M1D1 Line Card (QTY 2)</td>
<td>$54,095.72</td>
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</table>
### AIS-03b Global Broadband Whole Beam - Bandwidth Service Only, 432 MHz Per Beam (216/216 MHz)

<table>
<thead>
<tr>
<th>Service Description</th>
<th>Bandwidth in MHz</th>
<th>UoM</th>
<th>GSA Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>AIS-03b Global Broadband Whole Beam - Bandwidth Service Only, 432 MHz Per Beam (216/216 MHz) Price is Per Beam / Per Year (Other charges may apply)</td>
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</table>

<table>
<thead>
<tr>
<th>Service</th>
<th>PRODUCT#</th>
<th>PRODUCT NAME AND DESCRIPTION</th>
<th>GSA PRICE</th>
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<tbody>
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<td>iDirect</td>
<td>M1D1-5</td>
<td>M1D1 Line Card (QTY 5)</td>
<td>$131,375.31</td>
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<td>iDirect</td>
<td>9131-0102-1102(2)</td>
<td>M0D1 Line Card (QTY 2)</td>
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<tr>
<td>iDirect</td>
<td>9131-0102-1102(5)</td>
<td>M0D1 Line Card (QTY 5)</td>
<td>$83,501.26</td>
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<tr>
<td>iDirect</td>
<td>K0000034-0002(2)</td>
<td>iDirect High Capacity Dual Protocol Processor Server (QTY 2)</td>
<td>$18,337.53</td>
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<tr>
<td>iDirect</td>
<td>K0000034-0002(5)</td>
<td>iDirect High Capacity Dual Protocol Processor Server (QTY 5)</td>
<td>$44,534.01</td>
</tr>
<tr>
<td>iDirect</td>
<td>K0000006-0002(2)</td>
<td>iDirect High Capacity Dual Protocol NMS Server (QTY 2)</td>
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<td>iDirect</td>
<td>K0000006-0002(5)</td>
<td>iDirect High Capacity Dual Protocol NMS Server (QTY 5)</td>
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<td>e8350 Satellite Evolution Router (FIPS, TRANSEC, COTM Capable) (QTY 2)</td>
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<td>iDirect</td>
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<td>e8350 Satellite Evolution Router (FIPS, TRANSEC, COTM Capable) (QTY 5)</td>
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<td>iDirect</td>
<td>K0000014-0003(10)</td>
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<td>E850MP Modem Conformal Coated w/o Heatsink</td>
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<td>iDirect</td>
<td>K0000044-0006</td>
<td>E850MP Modem Conformal Coated w/ Heatsink</td>
<td>$13,741.13</td>
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AIS-03b Global Broadband Whole Beam - Bandwidth Service Only, 432 MHz Per Beam (216/216 MHz) Price is Per Beam / Per Year (Other charges may apply)
### Commercial Satellite Communications (COMSATCOM) Transponded Capacity

Daily rates are available and are calculated by using the current monthly rate / 30

<table>
<thead>
<tr>
<th>Service</th>
<th>Service Description</th>
<th>Bandwidth in MHz</th>
<th>Lease Duration</th>
<th>Regions</th>
<th>UoM</th>
<th>GSA Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>AIS-X&lt;2-M2M</td>
<td>X-Band 0.1 to 1.9 MHz Non Preemptible Bandwidth. Price is Per MHz per Month. Price is comprised of available satellites that have a footprint in the noted Region(s). Actual GSA Quote will reflect any applicable discounts based upon quantity requested and actual satellite that technically meet the requirement.</td>
<td>0.1 - 1.9</td>
<td>&lt; 12 months</td>
<td>NA, CA, SA, AFR, EUR, ME, SWA, IOR</td>
<td>Monthly</td>
<td>$12,241.81</td>
</tr>
<tr>
<td>AIS-X&lt;2-1YP</td>
<td>X-Band 0.1 to 1.9 MHz Non Preemptible Bandwidth. Price is Per MHz per Month. Price is comprised of available satellites that have a footprint in the noted Region(s). Actual GSA Quote will reflect any applicable discounts based upon quantity requested and actual satellite that technically meet the requirement.</td>
<td>0.1 - 1.9</td>
<td>12 thru 23 months</td>
<td>NA, CA, SA, AFR, EUR, ME, SWA, IOR</td>
<td>Monthly</td>
<td>$11,208.97</td>
</tr>
<tr>
<td>AIS-X&lt;3-M2M</td>
<td>X-Band 2.0 - 2.9 MHz Non Preemptible Bandwidth. Price is Per MHz per Month. Price is comprised of available satellites that have a footprint in the noted Region(s). Actual GSA Quote will reflect any applicable discounts based upon quantity requested and actual satellite that technically meet the requirement.</td>
<td>2.0 - 2.9</td>
<td>&lt; 12 months</td>
<td>NA, CA, SA, AFR, EUR, ME, SWA, IOR</td>
<td>Monthly</td>
<td>$11,629.72</td>
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<tr>
<td>AIS-X&lt;3-1YP</td>
<td>X-Band 2.0 - 2.9 MHz Non Preemptible Bandwidth. Price is Per MHz per Month. Price is comprised of available satellites that have a footprint in the noted Region(s). Actual GSA Quote will reflect any applicable discounts based upon quantity requested and actual satellite that technically meet the requirement.</td>
<td>2.0 - 2.9</td>
<td>12 thru 23 months</td>
<td>NA, CA, SA, AFR, EUR, ME, SWA, IOR</td>
<td>Monthly</td>
<td>$11,208.97</td>
</tr>
<tr>
<td>AIS-X&lt;4.5-M2M</td>
<td>X-Band 3.0 - 4.4 MHz Non Preemptible Bandwidth. Price is Per MHz per Month. Price is comprised of available satellites that have a footprint in the noted Region(s). Actual GSA Quote will reflect any applicable discounts based upon quantity requested and actual satellite that technically meet the requirement.</td>
<td>3.0 - 4.4</td>
<td>&lt; 12 months</td>
<td>NA, CA, SA, AFR, EUR, ME, SWA, IOR</td>
<td>Monthly</td>
<td>$11,017.63</td>
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<tr>
<td>AIS-X&lt;4.5-1YP</td>
<td>X-Band 3.0 - 4.4 MHz Non Preemptible Bandwidth. Price is Per MHz per Month. Price is comprised of available satellites that have a footprint in the noted Region(s). Actual GSA Quote will reflect any applicable discounts based upon quantity requested and actual satellite that technically meet the requirement.</td>
<td>3.0 - 4.4</td>
<td>12 thru 23 months</td>
<td>NA, CA, SA, AFR, EUR, ME, SWA, IOR</td>
<td>Monthly</td>
<td>$10,730.05</td>
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<tr>
<td>AIS-X&lt;9-M2M</td>
<td>X-Band 4.5 - 8.9 MHz Non Preemptible Bandwidth. Price is Per MHz per Month. Price is comprised of available satellites that have a footprint in the noted Region(s). Actual GSA Quote will reflect any applicable discounts based upon quantity requested and actual satellite that technically meet the requirement.</td>
<td>4.5 - 8.9</td>
<td>&lt; 12 months</td>
<td>NA, CA, SA, AFR, EUR, ME, SWA, IOR</td>
<td>Monthly</td>
<td>$9,793.45</td>
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<tr>
<td>AIS-X&lt;9-1YP</td>
<td>X-Band 4.5 - 8.9 MHz Non Preemptible Bandwidth. Price is Per MHz per Month. Price is comprised of available satellites that have a footprint in the noted Region(s). Actual GSA Quote will reflect any applicable discounts based upon quantity requested and actual satellite that technically meet the requirement.</td>
<td>4.5 - 8.9</td>
<td>12 thru 23 months</td>
<td>NA, CA, SA, AFR, EUR, ME, SWA, IOR</td>
<td>Monthly</td>
<td>$9,695.52</td>
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<tr>
<td>AIS-X&lt;18-M2M</td>
<td>X-Band 9.0 - 17.9 MHz Non Preemptible Bandwidth. Price is Per MHz per Month. Price is comprised of available satellites that have a footprint in the noted Region(s). Actual GSA Quote will reflect any applicable discounts based upon quantity requested and actual satellite that technically meet the requirement.</td>
<td>9.0 - 17.9</td>
<td>&lt; 12 months</td>
<td>NA, CA, SA, AFR, EUR, ME, SWA, IOR</td>
<td>Monthly</td>
<td>$8,569.27</td>
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<tr>
<td>Service</td>
<td>Service Description</td>
<td>Bandwidth in MHz</td>
<td>Lease Duration</td>
<td>Regions</td>
<td>UoM</td>
<td>GSA Price</td>
</tr>
<tr>
<td>---------</td>
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<tr>
<td>AIS-X&lt;18-1YP</td>
<td>X-Band 9.0 - 17.9 MHz Non Preemptible Bandwidth. Price is Per MHz per Month. Price is comprised of available satellites that have a footprint in the noted Region(s). Actual GSA Quote will reflect any applicable discounts based upon quantity requested and actual satellite that technically meet the requirement.</td>
<td>9.0 - 17.9</td>
<td>12 thru 23 months</td>
<td>NA, CA, SA, AOR, CARIB, AFR, EUR, ME, SWA, IOR</td>
<td>Monthly</td>
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<tr>
<td>AIS-X&lt;36-M2M</td>
<td>X-Band 18.0 - 35.9 MHz Non Preemptible Bandwidth. Price is Per MHz per Month. Price is comprised of available satellites that have a footprint in the noted Region(s). Actual GSA Quote will reflect any applicable discounts based upon quantity requested and actual satellite that technically meet the requirement.</td>
<td>18.0 - 35.9</td>
<td>&lt; 12 months</td>
<td>NA, CA, SA, AOR, CARIB, AFR, EUR, ME, SWA, IOR</td>
<td>Monthly</td>
<td>$8,226.50</td>
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<tr>
<td>AIS-X&lt;36-1YP</td>
<td>X-Band 36.0 - 71.9 MHz Non Preemptible Bandwidth. Price is Per MHz per Month. Price is comprised of available satellites that have a footprint in the noted Region(s). Actual GSA Quote will reflect any applicable discounts based upon quantity requested and actual satellite that technically meet the requirement.</td>
<td>36.0 - 71.9</td>
<td>12 thru 23 months</td>
<td>NA, CA, SA, AOR, CARIB, AFR, EUR, ME, SWA, IOR</td>
<td>Monthly</td>
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<tr>
<td>AIS-X&lt;72-M2M</td>
<td>X-Band 36.0 - 71.9 MHz Non Preemptible Bandwidth. Price is Per MHz per Month. Price is comprised of available satellites that have a footprint in the noted Region(s). Actual GSA Quote will reflect any applicable discounts based upon quantity requested and actual satellite that technically meet the requirement.</td>
<td>36.0 - 71.9</td>
<td>12 thru 23 months</td>
<td>NA, CA, SA, AOR, CARIB, AFR, EUR, ME, SWA, IOR</td>
<td>Monthly</td>
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<tr>
<td>AIS-X&lt;72-1YP</td>
<td>X-Band 72.0 to 143.9 MHz Non Preemptible Bandwidth. Price is Per MHz per Month. Price is comprised of available satellites that have a footprint in the noted Region(s). Actual GSA Quote will reflect any applicable discounts based upon quantity requested and actual satellite that technically meet the requirement.</td>
<td>72.0 to 143.9</td>
<td>&lt; 12 months</td>
<td>NA, CA, SA, AOR, CARIB, AFR, EUR, ME, SWA, IOR</td>
<td>Monthly</td>
<td>$7,798.04</td>
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<tr>
<td>AIS-X&lt;144-M2M</td>
<td>X-Band 72.0 to 143.9 MHz Non Preemptible Bandwidth. Price is Per MHz per Month. Price is comprised of available satellites that have a footprint in the noted Region(s). Actual GSA Quote will reflect any applicable discounts based upon quantity requested and actual satellite that technically meet the requirement.</td>
<td>72.0 to 143.9</td>
<td>12 thru 23 months</td>
<td>NA, CA, SA, AOR, CARIB, AFR, EUR, ME, SWA, IOR</td>
<td>Monthly</td>
<td>$7,651.13</td>
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<td>AIS-X&lt;144-1YP</td>
<td>X-Band 144.0 to 215.9 MHz Non Preemptible Bandwidth. Price is Per MHz per Month. Price is comprised of available satellites that have a footprint in the noted Region(s). Actual GSA Quote will reflect any applicable discounts based upon quantity requested and actual satellite that technically meet the requirement.</td>
<td>144.0 to 215.9</td>
<td>&lt; 12 months</td>
<td>NA, CA, SA, AOR, CARIB, AFR, EUR, ME, SWA, IOR</td>
<td>Monthly</td>
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<td>AIS-X&lt;216-M2M</td>
<td>X-Band 144.0 to 215.9 MHz Non Preemptible Bandwidth. Price is Per MHz per Month. Price is comprised of available satellites that have a footprint in the noted Region(s). Actual GSA Quote will reflect any applicable discounts based upon quantity requested and actual satellite that technically meet the requirement.</td>
<td>144.0 to 215.9</td>
<td>12 thru 23 months</td>
<td>NA, CA, SA, AOR, CARIB, AFR, EUR, ME, SWA, IOR</td>
<td>Monthly</td>
<td>$7,542.23</td>
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<tr>
<td>AIS-X&lt;216-1YP</td>
<td>X-Band 216.0 to 287.9 MHz Non Preemptible Bandwidth. Price is Per MHz per Month. Price is comprised of available satellites that have a footprint in the noted Region(s). Actual GSA Quote will reflect any applicable discounts based upon quantity requested and actual satellite that technically meet the requirement.</td>
<td>216.0 to 287.9</td>
<td>&lt; 12 months</td>
<td>NA, CA, SA, AOR, CARIB, AFR, EUR, ME, SWA, IOR</td>
<td>Monthly</td>
<td>$6,978.28</td>
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<tr>
<td>AIS-X&lt;288-M2M</td>
<td>X-Band 216.0 to 287.9 MHz Non Preemptible Bandwidth. Price is Per MHz per Month. Price is comprised of available satellites that have a footprint in the noted Region(s). Actual GSA Quote will reflect any applicable discounts based upon quantity requested and actual satellite that technically meet the requirement.</td>
<td>216.0 to 287.9</td>
<td>&lt; 12 months</td>
<td>NA, CA, SA, AOR, CARIB, AFR, EUR, ME, SWA, IOR</td>
<td>Monthly</td>
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<tr>
<td>Service</td>
<td>Service Description</td>
<td>Bandwidth in MHz</td>
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<td>Regions</td>
<td>UoM</td>
<td>GSA Price</td>
</tr>
<tr>
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<tr>
<td>AIS-X&lt;288-1YP</td>
<td>X-Band 288.0 to 359.9 MHz Non Preemptible Bandwidth. Price is Per MHz per Month. Price is comprised of available satellites that have a footprint in the noted Region(s). Actual GSA Quote will reflect any applicable discounts based upon quantity requested and actual satellite that technically meet the requirement.</td>
<td>288.0 to 359.9 MHz</td>
<td>12 thru 23 months</td>
<td>NA, CA, SA, AOR, CARIB, AFR, EUR, ME, SWA, IOR</td>
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<td>$6,872.91</td>
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<tr>
<td>AIS-X&lt;360-1YP</td>
<td>X-Band 360.0 to 431.9 MHz Non Preemptible Bandwidth. Price is Per MHz per Month. Price is comprised of available satellites that have a footprint in the noted Region(s). Actual GSA Quote will reflect any applicable discounts based upon quantity requested and actual satellite that technically meet the requirement.</td>
<td>360.0 to 431.9 MHz</td>
<td>&lt; 12 months</td>
<td>NA, CA, SA, AOR, CARIB, AFR, EUR, ME, SWA, IOR</td>
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<tr>
<td>AIS-X&lt;432-M2M</td>
<td>X-Band 432.0 or more MHz Non Preemptible Bandwidth. Price is Per MHz per Month. Price is comprised of available satellites that have a footprint in the noted Region(s). Actual GSA Quote will reflect any applicable discounts based upon quantity requested and actual satellite that technically meet the requirement.</td>
<td>432.0 or more MHz</td>
<td>&lt; 12 months</td>
<td>NA, CA, SA, AOR, CARIB, AFR, EUR, ME, SWA, IOR</td>
<td>Monthly</td>
<td>$7,114.91</td>
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<tr>
<td>AIS-C&lt;3-M2M</td>
<td>C-Band 0.1 to 2.9 MHz Non Preemptible Bandwidth. Price is Per MHz per Month. Price is comprised of available satellites that have a footprint in the noted Region(s). Actual GSA Quote will reflect any applicable discounts based upon quantity requested and satellite that technically meet the requirement.</td>
<td>0.1 - 2.9 MHz</td>
<td>&lt; 12 months</td>
<td>Worldwide Coverage **</td>
<td>Monthly</td>
<td>$10,662.62</td>
</tr>
<tr>
<td>AIS-C&lt;3-1YP</td>
<td>C-Band 3.0 to 8.9 MHz Non Preemptible Bandwidth. Price is Per MHz per Month. Price is comprised of available satellites that have a footprint in the noted Region(s). Actual GSA Quote will reflect any applicable discounts based upon quantity requested and satellite that technically meet the requirement.</td>
<td>3.0 - 8.9 MHz</td>
<td>&gt; or = 12 Months</td>
<td>Worldwide Coverage **</td>
<td>Monthly</td>
<td>$9,265.21</td>
</tr>
<tr>
<td>AIS-C&lt;9-M2M</td>
<td>C-Band 3.0 to 8.9 MHz Non Preemptible Bandwidth. Price is Per MHz per Month. Price is comprised of available satellites that have a footprint in the noted Region(s). Actual GSA Quote will reflect any applicable discounts based upon quantity requested and satellite that technically meet the requirement.</td>
<td>3.0 - 8.9 MHz</td>
<td>&lt; 12 months</td>
<td>Worldwide Coverage **</td>
<td>Monthly</td>
<td>$9,271.95</td>
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<tr>
<td>AIS-C&lt;9-1YP</td>
<td>C-Band 3.0 to 8.9 MHz Non Preemptible Bandwidth. Price is Per MHz per Month. Price is comprised of available satellites that have a footprint in the noted Region(s). Actual GSA Quote will reflect any applicable discounts based upon quantity requested and satellite that technically meet the requirement.</td>
<td>3.0 - 8.9 MHz</td>
<td>&gt; or = 12 Months</td>
<td>Worldwide Coverage **</td>
<td>Monthly</td>
<td>$8,062.46</td>
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<tr>
<td>Service</td>
<td>Service Description</td>
<td>Bandwidth in MHz</td>
<td>Lease Duration</td>
<td>Regions</td>
<td>UoM</td>
<td>GSA Price</td>
</tr>
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<td>---------</td>
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</tr>
<tr>
<td>AIS-C&lt;18- M2M</td>
<td>a footprint in the noted Region(s). Actual GSA Quote will reflect any applicable discounts based upon quantity requested and satellite that technically meet the requirement.</td>
<td>9.0 - 17.9</td>
<td>&lt; 12 months</td>
<td>Worldwide Coverage **</td>
<td>Monthly</td>
<td>$8,807.98</td>
</tr>
<tr>
<td>AIS-C&lt;18-1YP</td>
<td>C-Band 9.0 to 17.9 MHz Non Preemptible Bandwidth. Price is Per MHz per Month. Price is comprised of available satellites that have a footprint in the noted Region(s). Actual GSA Quote will reflect any applicable discounts based upon quantity requested and satellite that technically meet the requirement.</td>
<td>9.0 - 17.9</td>
<td>&gt; or = 12 Months</td>
<td>Worldwide Coverage **</td>
<td>Monthly</td>
<td>$7,659.70</td>
</tr>
<tr>
<td>AIS-C&lt;36- M2M</td>
<td>C-Band 18.0 to 35.9 MHz Non Preemptible Bandwidth. Price is Per MHz per Month. Price is comprised of available satellites that have a footprint in the noted Region(s). Actual GSA Quote will reflect any applicable discounts based upon quantity requested and satellite that technically meet the requirement.</td>
<td>18.0 - 35.9</td>
<td>&lt; 12 months</td>
<td>Worldwide Coverage **</td>
<td>Monthly</td>
<td>$8,345.24</td>
</tr>
<tr>
<td>AIS-C&lt;36-1YP</td>
<td>C-Band 18.0 to 35.9 MHz Non Preemptible Bandwidth. Price is Per MHz per Month. Price is comprised of available satellites that have a footprint in the noted Region(s). Actual GSA Quote will reflect any applicable discounts based upon quantity requested and satellite that technically meet the requirement.</td>
<td>18.0 - 35.9</td>
<td>&gt; or = 12 Months</td>
<td>Worldwide Coverage **</td>
<td>Monthly</td>
<td>$7,255.72</td>
</tr>
<tr>
<td>AIS-C&gt;36- M2M</td>
<td>C-Band 30.0 (or more) MHz Non Preemptible Bandwidth. Price is Per MHz per Month. Price is comprised of available satellites that have a footprint in the noted Region(s). Actual GSA Quote will reflect any applicable discounts based upon quantity requested and satellite that technically meet the requirement.</td>
<td>36 (or more)</td>
<td>&lt; 12 months</td>
<td>Worldwide Coverage **</td>
<td>Monthly</td>
<td>$7,881.28</td>
</tr>
<tr>
<td>AIS-C&gt;36-1YP</td>
<td>C-Band 30.0 (or more) MHz Non Preemptible Bandwidth. Price is Per MHz per Month. Price is comprised of available satellites that have a footprint in the noted Region(s). Actual GSA Quote will reflect any applicable discounts based upon quantity requested and satellite that technically meet the requirement.</td>
<td>36 (or more)</td>
<td>&gt; or = 12 Months</td>
<td>Worldwide Coverage **</td>
<td>Monthly</td>
<td>$6,852.97</td>
</tr>
<tr>
<td>AIS-KU&lt;3- M2M</td>
<td>Ku-Band 0.1 to 2.9 MHz Non Preemptible Bandwidth. Price is Per MHz per Month. Price is comprised of available satellites that have a footprint in the noted Region(s). Actual GSA Quote will reflect any applicable discounts based upon quantity requested and satellite that technically meet the requirement.</td>
<td>0.1 - 2.9</td>
<td>&lt; 12 months</td>
<td>Worldwide Coverage **</td>
<td>Monthly</td>
<td>$9,596.36</td>
</tr>
<tr>
<td>AIS-KU&lt;3-1YP</td>
<td>Ku-Band 0.1 to 2.9 MHz Non Preemptible Bandwidth. Price is Per MHz per Month. Price is comprised of available satellites that have a footprint in the noted Region(s). Actual GSA Quote will reflect any applicable discounts based upon quantity requested and satellite that technically meet the requirement.</td>
<td>0.1 - 2.9</td>
<td>&gt; or = 12 Months</td>
<td>Worldwide Coverage **</td>
<td>Monthly</td>
<td>$8,113.30</td>
</tr>
<tr>
<td>AIS-KU&lt;9- M2M</td>
<td>Ku-Band 3.0 to 8.9 MHz Non Preemptible Bandwidth. Price is Per MHz per Month. Price is comprised of available satellites that have a footprint in the noted Region(s). Actual GSA Quote will reflect any applicable discounts based upon quantity requested and satellite that technically meet the requirement.</td>
<td>3.0 - 8.9</td>
<td>&lt; 12 months</td>
<td>Worldwide Coverage **</td>
<td>Monthly</td>
<td>$8,345.24</td>
</tr>
<tr>
<td>AIS-KU&lt;9-1YP</td>
<td>Ku-Band 3.0 to 8.9 MHz Non Preemptible Bandwidth. Price is Per MHz per Month. Price is comprised of available satellites that have a footprint in the noted Region(s). Actual GSA Quote will reflect any applicable discounts based upon quantity requested and satellite that technically meet the requirement.</td>
<td>3.0 - 8.9</td>
<td>&gt; or = 12 Months</td>
<td>Worldwide Coverage **</td>
<td>Monthly</td>
<td>$7,255.72</td>
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<td>Service</td>
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<td>Bandwidth in MHz</td>
<td>Lease Duration</td>
<td>Regions</td>
<td>UoM</td>
<td>GSA Price</td>
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<tr>
<td>AIS-KU&lt;18- M2M</td>
<td>have a footprint in the noted Region(s). Actual GSA Quote will reflect any applicable discounts based upon quantity requested and satellite that technically meet the requirement.</td>
<td>9.0 - 17.9</td>
<td>&lt; 12 months</td>
<td>Monthly</td>
<td>$7,927.80</td>
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<tr>
<td>AIS-KU&lt;18- 1YP</td>
<td>Ku-Band 9.0 to 17.9 MHz Non Preemptible Bandwidth. Price is Per MHz per Month. Price is comprised of available satellites that have a footprint in the noted Region(s). Actual GSA Quote will reflect any applicable discounts based upon quantity requested and satellite that technically meet the requirement.</td>
<td>9.0 - 17.9</td>
<td>&gt; or = 12 Months</td>
<td>Worldwide Coverage **</td>
<td>Monthly</td>
<td>$6,893.37</td>
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<tr>
<td>AIS-KU&lt;36- M2M</td>
<td>Ku-Band 18.0 to 35.9 MHz Non Preemptible Bandwidth. Price is Per MHz per Month. Price is comprised of available satellites that have a footprint in the noted Region(s). Actual GSA Quote will reflect any applicable discounts based upon quantity requested and satellite that technically meet the requirement.</td>
<td>18.0 - 35.9</td>
<td>&lt; 12 months</td>
<td>Monthly</td>
<td>$7,510.35</td>
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<tr>
<td>AIS-KU&lt;36- 1YP</td>
<td>Ku-Band 36.0 (or more) MHz Non Preemptible Bandwidth. Price is Per MHz per Month. Price is comprised of available satellites that have a footprint in the noted Region(s). Actual GSA Quote will reflect any applicable discounts based upon quantity requested and satellite that technically meet the requirement.</td>
<td>36 (or more)</td>
<td>&gt; or = 12 Months</td>
<td>Worldwide Coverage **</td>
<td>Monthly</td>
<td>$7,092.91</td>
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<tr>
<td>AIS-HNANA</td>
<td>NORTH AMERICA - HOST NATION AGREEMENTS $/each</td>
<td>N/A</td>
<td>Each</td>
<td>NORTH AMERICA</td>
<td>EA</td>
<td>$14,826.20</td>
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<tr>
<td>AIS- HNACSA</td>
<td>CENTRAL/SOUTH AMERICA HOST NATION AGREEMENTS $/each</td>
<td>N/A</td>
<td>Each</td>
<td>CENTRAL/ SOUTH AMERICA (ATLANTIC OCEAN REGION - AOR)</td>
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<td>$30,151.13</td>
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<tr>
<td>AIS-HNAEU</td>
<td>EUROPE AMERICA HOST NATION AGREEMENTS $/each</td>
<td>N/A</td>
<td>Each</td>
<td>EUROPE</td>
<td>EA</td>
<td>$58,488.66</td>
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<td>AIS- HNAMEA</td>
<td>MIDDLE EAST/AFRICA HOST NATION AGREEMENTS $/each</td>
<td>N/A</td>
<td>Each</td>
<td>MIDDLE EAST / AFRICA (INDIAN OCEAN REGION - IOR)</td>
<td>$106,095.7</td>
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<td>AIS-HNAAP</td>
<td>ASIA/PACIFIC HOST NATION AGREEMENTS $/each</td>
<td>N/A</td>
<td>Each</td>
<td>ASIA (PACIFIC OCEAN REGION - POR)</td>
<td>EA</td>
<td>$53,727.96</td>
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</tbody>
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**Worldwide Coverage: NA, CA, SA, AOR, CARIB, AFR, EUR, ME, SWA, SEA, NWA, NEA, IOR, POR, OCEANIA**

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<table>
<thead>
<tr>
<th>Service</th>
<th>Service Description</th>
<th>UOI</th>
<th>GSA Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>AIS-O3b-PBBW12-&lt;25MBPS-1YP</td>
<td>&lt;25 Mbps Bandwidth Service for 1.2 M Shipboard Antenna Systems. Price is per Mbps. Partial Beam Per Month (12-month min). Subject to availability.</td>
<td>EA</td>
<td>$2,774.33</td>
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<tr>
<td>AIS-O3b-PBBW12-25-49MBPS-1YP</td>
<td>25-49 Mbps Bandwidth Service for 1.2 M Shipboard Antenna Systems. Price is per Mbps. Partial Beam Per Month (12-month min). Subject to availability.</td>
<td>EA</td>
<td>$2,667.93</td>
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<tr>
<td>AIS-O3b-PBBW12-50-99MBPS-1YP</td>
<td>50-99 Mbps Bandwidth Service for 1.2 M Shipboard Antenna Systems. Price is per Mbps. Partial Beam Per Month (12-month min). Subject to availability.</td>
<td>EA</td>
<td>$2,514.73</td>
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<tr>
<td>AIS-O3b-PBBW12-100-199MBPS-1YP</td>
<td>100-199 Mbps Bandwidth Service for 1.2 M Shipboard Antenna Systems. Price is per Mbps. Partial Beam Per Month (12-month min). Subject to availability.</td>
<td>EA</td>
<td>$2,564.19</td>
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<tr>
<td>AIS-O3b-PBBW12-200-299MBPS-1YP</td>
<td>200-299 Mbps Bandwidth Service for 1.2 M Shipboard Antenna Systems. Price is per Mbps. Partial Beam Per Month (12-month min). Subject to availability.</td>
<td>EA</td>
<td>$2,513.65</td>
</tr>
<tr>
<td>AIS-O3b-PBBW12-300-399MBPS-1YP</td>
<td>300-399 Mbps Bandwidth Service for 1.2 M Shipboard Antenna Systems. Price is per Mbps. Partial Beam Per Month (12-month min). Subject to availability.</td>
<td>EA</td>
<td>$2,463.12</td>
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<tr>
<td>AIS-O3b-PBBW12-400-499MBPS-1YP</td>
<td>400-499 Mbps Bandwidth Service for 1.2 M Shipboard Antenna Systems. Price is per Mbps. Partial Beam Per Month (12-month min). Subject to availability.</td>
<td>EA</td>
<td>$2,415.24</td>
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<th>Service</th>
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</thead>
<tbody>
<tr>
<td>AIS-O3b-PBBW12-&lt;25MBPS-M2M</td>
<td>&lt;25 Mbps Bandwidth Service for 1.2 M Shipboard Antenna Systems. Price is per Mbps. Partial Beam Per Month - Month to Month. Subject to availability.</td>
<td>EA</td>
<td>$3,094.44</td>
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<tr>
<td>AIS-O3b-PBBW12-25-49MBPS-M2M</td>
<td>25-49 Mbps Bandwidth Service for 1.2 M Shipboard Antenna Systems. Price is per Mbps. Partial Beam Per Month - Month to Month. Subject to availability.</td>
<td>EA</td>
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<td>AIS-O3b-PBBW12-50-99MBPS-M2M</td>
<td>50-99 Mbps Bandwidth Service for 1.2 M Shipboard Antenna Systems. Price is per Mbps. Partial Beam Per Month - Month to Month. Subject to availability.</td>
<td>EA</td>
<td>$3,017.00</td>
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<td>AIS-O3b-PBBW12-100-199MBPS-M2M</td>
<td>100-199 Mbps Bandwidth Service for 1.2 M Shipboard Antenna Systems. Price is per Mbps. Partial Beam Per Month - Month to Month. Subject to availability.</td>
<td>EA</td>
<td>$2,958.68</td>
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<tr>
<td>AIS-O3b-PBBW12-200-299MBPS-M2M</td>
<td>200-299 Mbps Bandwidth Service for 1.2 M Shipboard Antenna Systems. Price is per Mbps. Partial Beam Per Month - Month to Month. Subject to availability.</td>
<td>EA</td>
<td>$2,900.37</td>
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<tr>
<td>AIS-O3b-PBBW12-300-399MBPS-M2M</td>
<td>300-399 Mbps Bandwidth Service for 1.2 M Shipboard Antenna Systems. Price is per Mbps. Partial Beam Per Month - Month to Month. Subject to availability.</td>
<td>EA</td>
<td>$2,842.05</td>
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<tr>
<td>AIS-O3b-PBBW12-400-499MBPS-M2M</td>
<td>400-499 Mbps Bandwidth Service for 1.2 M Shipboard Antenna Systems. Price is per Mbps. Partial Beam Per Month - Month to Month. Subject to availability.</td>
<td>EA</td>
<td>$2,786.81</td>
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<thead>
<tr>
<th>Service</th>
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</thead>
<tbody>
<tr>
<td>AIS-O3b-PBBW18-&lt;25MBPS-1YP</td>
<td>&lt;25 Mbps Bandwidth Service for 1.8 M Ground Antenna Systems. Price is per Mbps. Partial Beam Per Month (12-month min). Subject to availability.</td>
<td>EA</td>
<td>$2,698.67</td>
</tr>
<tr>
<td>AIS-O3b-PBBW18-25-49MBPS-1YP</td>
<td>25-49 Mbps Bandwidth Service for 1.8 M Ground Antenna Systems. Price is per Mbps. Partial Beam Per Month (12-month min). Subject to availability.</td>
<td>EA</td>
<td>$2,595.16</td>
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<tr>
<td>AIS-O3b-PBBW18-50-99MBPS-1YP</td>
<td>50-99 Mbps Bandwidth Service for 1.8 M Ground Antenna Systems. Price is per Mbps. Partial Beam Per Month (12-month min). Subject to availability.</td>
<td>EA</td>
<td>$2,543.42</td>
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<tr>
<td>AIS-O3b-PBBW18-100-199MBPS-1YP</td>
<td>100-199 Mbps Bandwidth Service for 1.8 M Ground Antenna Systems. Price is per Mbps. Partial Beam Per Month (12-month min). Subject to availability.</td>
<td>EA</td>
<td>$2,513.65</td>
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<tr>
<td>AIS-O3b-PBBW18-200-299MBPS-1YP</td>
<td>200-299 Mbps Bandwidth Service for 1.8 M Ground Antenna Systems. Price is per Mbps. Partial Beam Per Month (12-month min). Subject to availability.</td>
<td>EA</td>
<td>$2,494.26</td>
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<tr>
<td>AIS-O3b-PBBW18-300-399MBPS-1YP</td>
<td>300-399 Mbps Bandwidth Service for 1.8 M Ground Antenna Systems. Price is per Mbps. Partial Beam Per Month (12-month min). Subject to availability.</td>
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<td>$2,445.10</td>
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<td>AIS-O3b-PBBW18-400-499MBPS-1YP</td>
<td>400-499 Mbps Bandwidth Service for 1.8 M Ground Antenna Systems. Price is per Mbps. Partial Beam Per Month (12-month min). Subject to availability.</td>
<td>EA</td>
<td>$2,395.93</td>
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<tr>
<td>AIS-O3b-PBBW18-500-599MBPS-1YP</td>
<td>500-599 Mbps Bandwidth Service for 1.8 M Ground Antenna Systems. Price is per Mbps. Partial Beam Per Month (12-month min). Subject to availability.</td>
<td>EA</td>
<td>$2,349.37</td>
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<tr>
<td>AIS-O3b-PBBW18-600-699MBPS-1YP</td>
<td>600-699 Mbps Bandwidth Service for 1.8 M Ground Antenna Systems. Price is per Mbps. Partial Beam Per Month (12-month min). Subject to availability.</td>
<td>EA</td>
<td>$2,258.81</td>
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<tr>
<td>Service</td>
<td>Service Description</td>
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<td>GSA Price</td>
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<tr>
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<tr>
<td>AIS-03B-PPBW18-&lt;25MBPS-M2M</td>
<td>&lt;25 Mbps Bandwidth Service for 1.8 M Ground Antenna Systems. Price is per Mbps. Partial Beam Per Month - Month to Month. Subject to availability.</td>
<td>EA</td>
<td>$3,010.05</td>
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<td>AIS-03B-PPBW18-25-49MBPS-M2M</td>
<td>25-49 Mbps Bandwidth Service for 1.8 M Ground Antenna Systems. Price is per Mbps. Partial Beam Per Month - Month to Month. Subject to availability.</td>
<td>EA</td>
<td>$2,894.61</td>
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<td>AIS-03B-PPBW18-50-99MBPS-M2M</td>
<td>50-99 Mbps Bandwidth Service for 1.8 M Ground Antenna Systems. Price is per Mbps. Partial Beam Per Month - Month to Month. Subject to availability.</td>
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<td>$2,836.89</td>
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<td>AIS-03B-PPBW18-100-199MBPS-M2M</td>
<td>100-199 Mbps Bandwidth Service for 1.8 M Ground Antenna Systems. Price is per Mbps. Partial Beam Per Month - Month to Month. Subject to availability.</td>
<td>EA</td>
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<td>AIS-03B-PPBW18-200-299MBPS-M2M</td>
<td>200-299 Mbps Bandwidth Service for 1.8 M Ground Antenna Systems. Price is per Mbps. Partial Beam Per Month - Month to Month. Subject to availability.</td>
<td>EA</td>
<td>$2,727.22</td>
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<tr>
<td>AIS-03B-PPBW18-300-399MBPS-M2M</td>
<td>300-399 Mbps Bandwidth Service for 1.8 M Ground Antenna Systems. Price is per Mbps. Partial Beam Per Month - Month to Month. Subject to availability.</td>
<td>EA</td>
<td>$2,672.39</td>
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<tr>
<td>AIS-03B-PPBW18-400-499MBPS-M2M</td>
<td>400-499 Mbps Bandwidth Service for 1.8 M Ground Antenna Systems. Price is per Mbps. Partial Beam Per Month - Month to Month. Subject to availability.</td>
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<td>AIS-03B-PPBW18-500-599MBPS-M2M</td>
<td>500-599 Mbps Bandwidth Service for 1.8 M Ground Antenna Systems. Price is per Mbps. Partial Beam Per Month - Month to Month. Subject to availability.</td>
<td>EA</td>
<td>$2,568.49</td>
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<td>AIS-03B-PPBW18-600-699MBPS-M2M</td>
<td>600-699 Mbps Bandwidth Service for 1.8 M Ground Antenna Systems. Price is per Mbps. Partial Beam Per Month - Month to Month. Subject to availability.</td>
<td>EA</td>
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<td>AIS-03B-PPBW22-&lt;25MBPS-1YP</td>
<td>&lt;25 Mbps Bandwidth Service for 2.2 M Shipboard Antenna Systems. Price is per Mbps. Partial Beam Per Month (12-month min.). Subject to availability.</td>
<td>EA</td>
<td>$1,664.60</td>
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<td>AIS-03B-PPBW22-25-49MBPS-1YP</td>
<td>25-49 Mbps Bandwidth Service for 2.2 M Shipboard Antenna Systems. Price is per Mbps. Partial Beam Per Month (12-month min.). Subject to availability.</td>
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<td>AIS-03B-PPBW22-50-99MBPS-1YP</td>
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<td>100-199 Mbps Bandwidth Service for 2.2 M Shipboard Antenna Systems. Price is per Mbps. Partial Beam Per Month (12-month min.). Subject to availability.</td>
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<td>200-299 Mbps Bandwidth Service for 2.2 M Shipboard Antenna Systems. Price is per Mbps. Partial Beam Per Month (12-month min.). Subject to availability.</td>
<td>EA</td>
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<td>AIS-03B-PPBW22-300-399MBPS-1YP</td>
<td>300-399 Mbps Bandwidth Service for 2.2 M Shipboard Antenna Systems. Price is per Mbps. Partial Beam Per Month (12-month min.). Subject to availability.</td>
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<td>400-499 Mbps Bandwidth Service for 2.2 M Shipboard Antenna Systems. Price is per Mbps. Partial Beam Per Month (12-month min.). Subject to availability.</td>
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<td>AIS-03B-PPBW22-&lt;25MBPS-M2M</td>
<td>&lt;25 Mbps Bandwidth Service for 2.2 M Shipboard Antenna Systems. Price is per Mbps. Partial Beam Per Month - Month to Month. Subject to availability.</td>
<td>EA</td>
<td>$1,856.66</td>
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<td>AIS-03B-PPBW22-25-49MBPS-M2M</td>
<td>25-49 Mbps Bandwidth Service for 2.2 M Shipboard Antenna Systems. Price is per Mbps. Partial Beam Per Month - Month to Month. Subject to availability.</td>
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<td>AIS-03B-PPBW22-50-99MBPS-M2M</td>
<td>50-99 Mbps Bandwidth Service for 2.2 M Shipboard Antenna Systems. Price is per Mbps. Partial Beam Per Month - Month to Month. Subject to availability.</td>
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<td>AIS-03B-PPBW22-100-199MBPS-M2M</td>
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<td>AIS-O3B-PBBW22-200-299MBPS-M2M</td>
<td>200-299 Mbps Bandwidth Service for 2.2 M Shipboard Antenna Systems. Price is per Mbps. Partial Beam Per Month - Month to Month. Subject to availability.</td>
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<td>$1,682.22</td>
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<tr>
<td>AIS-O3B-PBBW22-300-399MBPS-M2M</td>
<td>300-399 Mbps Bandwidth Service for 2.2 M Shipboard Antenna Systems. Price is per Mbps. Partial Beam Per Month - Month to Month. Subject to availability.</td>
<td>EA</td>
<td>$1,648.39</td>
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<tr>
<td>AIS-O3B-PBBW22-400-499MBPS-M2M</td>
<td>400-499 Mbps Bandwidth Service for 2.2 M Shipboard Antenna Systems. Price is per Mbps. Partial Beam Per Month - Month to Month. Subject to availability.</td>
<td>EA</td>
<td>$1,616.35</td>
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<td>AIS-O3B-PBBW22-500-599MBPS-M2M</td>
<td>500-599 Mbps Bandwidth Service for 2.2 M Shipboard Antenna Systems. Price is per Mbps. Partial Beam Per Month - Month to Month. Subject to availability.</td>
<td>EA</td>
<td>$1,584.30</td>
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<td>AIS-O3B-PBBW22-600-699MBPS-M2M</td>
<td>600-699 Mbps Bandwidth Service for 2.2 M Shipboard Antenna Systems. Price is per Mbps. Partial Beam Per Month - Month to Month. Subject to availability.</td>
<td>EA</td>
<td>$1,554.04</td>
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<tr>
<td><strong>AIS-O3b Global Broadband Partial Beam - Bandwidth Service Only Based on Availability - 2.4 M Ground Antenna Systems - Partial Beam Per Month Per Year - Add Choice of Antenna Terminal, Gateway, Co-Location Fees and Activation - Installation Separate</strong></td>
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<tr>
<td>AIS-O3B-PBBW24-&lt;25MBPS-1YP</td>
<td>&lt;25 Mbps Bandwidth Service 2.4 M Ground Antenna Systems. Price is per Mbps. Partial Beam Per Month (12-month min). Subject to availability.</td>
<td>EA</td>
<td>$1,261.06</td>
</tr>
<tr>
<td>AIS-O3B-PBBW24-25-49MBPS-1YP</td>
<td>25-49 Mbps Bandwidth Service for 2.4 M Ground Antenna Systems. Price is per Mbps. Partial Beam Per Month (12-month min). Subject to availability.</td>
<td>EA</td>
<td>$1,212.69</td>
</tr>
<tr>
<td>AIS-O3B-PBBW24-50-99MBPS-1YP</td>
<td>50-99 Mbps Bandwidth Service for 2.4 M Ground Antenna Systems. Price is per Mbps. Partial Beam Per Month (12-month min). Subject to availability.</td>
<td>EA</td>
<td>$1,188.52</td>
</tr>
<tr>
<td>AIS-O3B-PBBW24-100-199MBPS-1YP</td>
<td>100-199 Mbps Bandwidth Service for 2.4 M Ground Antenna Systems. Price is per Mbps. Partial Beam Per Month (12-month min). Subject to availability.</td>
<td>EA</td>
<td>$1,165.54</td>
</tr>
<tr>
<td>AIS-O3B-PBBW24-200-299MBPS-1YP</td>
<td>200-299 Mbps Bandwidth Service for 2.4 M Ground Antenna Systems. Price is per Mbps. Partial Beam Per Month (12-month min). Subject to availability.</td>
<td>EA</td>
<td>$1,142.57</td>
</tr>
<tr>
<td>AIS-O3B-PBBW24-300-399MBPS-1YP</td>
<td>300-399 Mbps Bandwidth Service for 2.4 M Ground Antenna Systems. Price is per Mbps. Partial Beam Per Month (12-month min). Subject to availability.</td>
<td>EA</td>
<td>$1,119.60</td>
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<tr>
<td>AIS-O3B-PBBW24-400-499MBPS-1YP</td>
<td>400-499 Mbps Bandwidth Service for 2.4 M Ground Antenna Systems. Price is per Mbps. Partial Beam Per Month (12-month min). Subject to availability.</td>
<td>EA</td>
<td>$1,097.84</td>
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<tr>
<td>AIS-O3B-PBBW24-500-599MBPS-1YP</td>
<td>500-599 Mbps Bandwidth Service for 2.4 M Ground Antenna Systems. Price is per Mbps. Partial Beam Per Month (12-month min). Subject to availability.</td>
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<td>$1,076.07</td>
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<td>AIS-O3B-PBBW24-600-699MBPS-1YP</td>
<td>600-699 Mbps Bandwidth Service for 2.4 M Ground Antenna Systems. Price is per Mbps. Partial Beam Per Month (12-month min). Subject to availability.</td>
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<tr>
<td>AIS-O3B-PBBW24-700-799MBPS-1YP</td>
<td>700-799 Mbps Bandwidth Service for 2.4 M Ground Antenna Systems. Price is per Mbps. Partial Beam Per Month (12-month min). Subject to availability.</td>
<td>EA</td>
<td>$1,034.96</td>
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<tr>
<td><strong>AIS-O3b Global Broadband Partial Beam - Bandwidth Service Only Based on Availability - 2.4 M Ground Antenna Systems - Partial Beam Per Month - Month to Month - Add Choice of Antenna Terminal, Gateway, Co-Location Fees and Activation - Installation Separate</strong></td>
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<tr>
<td>AIS-O3B-PBBW24-&lt;25MBPS-M2M</td>
<td>&lt;25 Mbps Bandwidth Service 2.4 M Ground Antenna Systems. Price is per Mbps. Partial Beam Per Month - Month to Month. Subject to availability.</td>
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<td>25-49 Mbps Bandwidth Service for 2.4 M Ground Antenna Systems. Price is per Mbps. Partial Beam Per Month - Month to Month. Subject to availability.</td>
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<td>$1,352.62</td>
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<td>AIS-O3B-PBBW24-50-99MBPS-M2M</td>
<td>50-99 Mbps Bandwidth Service for 2.4 M Ground Antenna Systems. Price is per Mbps. Partial Beam Per Month - Month to Month. Subject to availability.</td>
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<td>100-199 Mbps Bandwidth Service for 2.4 M Ground Antenna Systems. Price is per Mbps. Partial Beam Per Month - Month to Month. Subject to availability.</td>
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<td>AIS-O3B-PBBW24-200-299MBPS-M2M</td>
<td>200-299 Mbps Bandwidth Service for 2.4 M Ground Antenna Systems. Price is per Mbps. Partial Beam Per Month - Month to Month. Subject to availability.</td>
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<td>$1,274.41</td>
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<td>AIS-O3B-PBBW24-300-399MBPS-M2M</td>
<td>300-399 Mbps Bandwidth Service for 2.4 M Ground Antenna Systems. Price is per Mbps. Partial Beam Per Month - Month to Month. Subject to availability.</td>
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<td>AIS-O3B-PBBW24-400-499MBPS-M2M</td>
<td>400-499 Mbps Bandwidth Service for 2.4 M Ground Antenna Systems. Price is per Mbps. Partial Beam Per Month - Month to Month. Subject to availability.</td>
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<td>600-699 Mbps Bandwidth Service for 2.4 M Ground Antenna Systems. Price is per Mbps. Partial Beam Per Month - Month to Month. Subject to availability.</td>
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<td>AIS-O3B-PBBW24-700-799MBPS-M2M</td>
<td>700-799 Mbps Bandwidth Service for 2.4 M Ground Antenna Systems. Price is per Mbps. Partial Beam Per Month - Month to Month. Subject to availability.</td>
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<td>Service</td>
<td>Service Description</td>
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<td>GSA Price</td>
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<tr>
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<td>-----------</td>
</tr>
<tr>
<td>AIS-03B-PBBW45-&lt;25MBPS-1YP</td>
<td>&lt;25 Mbps Bandwidth Service for 4.5 M Ground Antenna Systems. Price is per Mbps. Partial Beam Per Month (12-month min). Subject to availability.</td>
<td>EA</td>
<td>$1,134.95</td>
</tr>
<tr>
<td>AIS-03B-PBBW45-25-49MBPS-1YP</td>
<td>25-49 Mbps Bandwidth Service for 4.5 M Ground Antenna Systems. Price is per Mbps. Partial Beam Per Month (12-month min). Subject to availability.</td>
<td>EA</td>
<td>$1,091.43</td>
</tr>
<tr>
<td>AIS-03B-PBBW45-50-99MBPS-1YP</td>
<td>50-99 Mbps Bandwidth Service for 4.5 M Ground Antenna Systems. Price is per Mbps. Partial Beam Per Month (12-month min). Subject to availability.</td>
<td>EA</td>
<td>$1,069.66</td>
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<tr>
<td>AIS-03B-PBBW45-100-199MBPS-1YP</td>
<td>100-199 Mbps Bandwidth Service for 4.5 M Ground Antenna Systems. Price is per Mbps. Partial Beam Per Month (12-month min). Subject to availability.</td>
<td>EA</td>
<td>$1,048.99</td>
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<tr>
<td>AIS-03B-PBBW45-200-299MBPS-1YP</td>
<td>200-299 Mbps Bandwidth Service for 4.5 M Ground Antenna Systems. Price is per Mbps. Partial Beam Per Month (12-month min). Subject to availability.</td>
<td>EA</td>
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</tr>
<tr>
<td>AIS-03B-PBBW45-300-399MBPS-1YP</td>
<td>300-399 Mbps Bandwidth Service for 4.5 M Ground Antenna Systems. Price is per Mbps. Partial Beam Per Month (12-month min). Subject to availability.</td>
<td>EA</td>
<td>$1,007.64</td>
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<tr>
<td>AIS-03B-PBBW45-400-499MBPS-1YP</td>
<td>400-499 Mbps Bandwidth Service for 4.5 M Ground Antenna Systems. Price is per Mbps. Partial Beam Per Month (12-month min). Subject to availability.</td>
<td>EA</td>
<td>$988.05</td>
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<tr>
<td>AIS-03B-PBBW45-500-999MBPS-1YP</td>
<td>500-999 Mbps Bandwidth Service for 4.5 M Ground Antenna Systems. Price is per Mbps. Partial Beam Per Month (12-month min). Subject to availability.</td>
<td>EA</td>
<td>$968.46</td>
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<td>600-699 Mbps Bandwidth Service for 4.5 M Ground Antenna Systems. Price is per Mbps. Partial Beam Per Month (12-month min). Subject to availability.</td>
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<tr>
<td>AIS-03B-PBBW45-700-799MBPS-1YP</td>
<td>700-799 Mbps Bandwidth Service for 4.5 M Ground Antenna Systems. Price is per Mbps. Partial Beam Per Month (12-month min). Subject to availability.</td>
<td>EA</td>
<td>$931.47</td>
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<tr>
<td>AIS-03B-PBBW45-800-899MBPS-1YP</td>
<td>800-899 Mbps Bandwidth Service for 4.5 M Ground Antenna Systems. Price is per Mbps. Partial Beam Per Month (12-month min). Subject to availability.</td>
<td>EA</td>
<td>$912.97</td>
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<tr>
<td>AIS-03B-PBBW45-900-1000MBPS-1YP</td>
<td>900-1000 Mbps Bandwidth Service for 4.5 M Ground Antenna Systems. Price is per Mbps. Partial Beam Per Month (12-month min). Subject to availability.</td>
<td>EA</td>
<td>$894.47</td>
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</tbody>
</table>

**AIS-03b Global Broadband Partial Beam - Bandwidth Service Only Based on Availability - 4.5M Ground Antenna Systems - Partial Beam Per Month - Add Choice of Antenna Terminal, Gateway, Co-Location Fees and Activation - Installation Separate**

<table>
<thead>
<tr>
<th>Service</th>
<th>Service Description</th>
<th>UOI</th>
<th>GSA Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>AIS-03B-PBBW45-&lt;25MBPS-M2M</td>
<td>&lt;25 Mbps Bandwidth Service for 4.5 M Ground Antenna Systems. Price is per Mbps. Partial Beam Per Month - Month to Month. Subject to availability.</td>
<td>EA</td>
<td>$1,265.90</td>
</tr>
<tr>
<td>AIS-03B-PBBW45-25-49MBPS-M2M</td>
<td>25-49 Mbps Bandwidth Service for 4.5 M Ground Antenna Systems. Price is per Mbps. Partial Beam Per Month - Month to Month. Subject to availability.</td>
<td>EA</td>
<td>$1,217.36</td>
</tr>
<tr>
<td>AIS-03B-PBBW45-50-99MBPS-M2M</td>
<td>50-99 Mbps Bandwidth Service for 4.5 M Ground Antenna Systems. Price is per Mbps. Partial Beam Per Month - Month to Month. Subject to availability.</td>
<td>EA</td>
<td>$1,193.09</td>
</tr>
<tr>
<td>AIS-03B-PBBW45-100-199MBPS-M2M</td>
<td>100-199 Mbps Bandwidth Service for 4.5 M Ground Antenna Systems. Price is per Mbps. Partial Beam Per Month - Month to Month. Subject to availability.</td>
<td>EA</td>
<td>$1,170.03</td>
</tr>
<tr>
<td>AIS-03B-PBBW45-200-299MBPS-M2M</td>
<td>200-299 Mbps Bandwidth Service for 4.5 M Ground Antenna Systems. Price is per Mbps. Partial Beam Per Month - Month to Month. Subject to availability.</td>
<td>EA</td>
<td>$1,146.96</td>
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<tr>
<td>AIS-03B-PBBW45-300-399MBPS-M2M</td>
<td>300-399 Mbps Bandwidth Service for 4.5 M Ground Antenna Systems. Price is per Mbps. Partial Beam Per Month - Month to Month. Subject to availability.</td>
<td>EA</td>
<td>$1,123.90</td>
</tr>
<tr>
<td>AIS-03B-PBBW45-400-499MBPS-M2M</td>
<td>400-499 Mbps Bandwidth Service for 4.5 M Ground Antenna Systems. Price is per Mbps. Partial Beam Per Month - Month to Month. Subject to availability.</td>
<td>EA</td>
<td>$1,102.06</td>
</tr>
<tr>
<td>AIS-03B-PBBW45-500-599MBPS-M2M</td>
<td>500-599 Mbps Bandwidth Service for 4.5 M Ground Antenna Systems. Price is per Mbps. Partial Beam Per Month - Month to Month. Subject to availability.</td>
<td>EA</td>
<td>$1,080.21</td>
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<tr>
<td>AIS-03B-PBBW45-600-699MBPS-M2M</td>
<td>600-699 Mbps Bandwidth Service for 4.5 M Ground Antenna Systems. Price is per Mbps. Partial Beam Per Month - Month to Month. Subject to availability.</td>
<td>EA</td>
<td>$1,059.58</td>
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<tr>
<td>AIS-03B-PBBW45-700-799MBPS-M2M</td>
<td>700-799 Mbps Bandwidth Service for 4.5 M Ground Antenna Systems. Price is per Mbps. Partial Beam Per Month - Month to Month. Subject to availability.</td>
<td>EA</td>
<td>$1,038.94</td>
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<tr>
<td>AIS-03B-PBBW45-800-899MBPS-M2M</td>
<td>800-899 Mbps Bandwidth Service for 4.5 M Ground Antenna Systems. Price is per Mbps. Partial Beam Per Month - Month to Month. Subject to availability.</td>
<td>EA</td>
<td>$1,018.31</td>
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<tr>
<td>AIS-03B-PBBW45-900-1000MBPS-M2M</td>
<td>900-1000 Mbps Bandwidth Service for 4.5 M Ground Antenna Systems. Price is per Mbps. Partial Beam Per Month - Month to Month. Subject to availability.</td>
<td>EA</td>
<td>$997.67</td>
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<tr>
<td>Service</td>
<td>Service Description</td>
<td>UOI</td>
<td>GSA Price</td>
</tr>
<tr>
<td>---------</td>
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</tr>
<tr>
<td>AIS-O3B-1WBBW-1YP</td>
<td>1 x Whole Beam Ka-Band Satellite Bandwidth, 432 MHz Per Beam / Year Price</td>
<td>EA</td>
<td>$6,045,340.14</td>
</tr>
<tr>
<td>AIS-O3B-2WBBW-1YP</td>
<td>2 x Whole Beam Ka-Band Satellite Bandwidth, 432 MHz Per Beam / Year Price</td>
<td>EA</td>
<td>$5,939,546.90</td>
</tr>
<tr>
<td>AIS-O3B-3WBBW-1YP</td>
<td>3 x Whole Beam Ka-Band Satellite Bandwidth, 432 MHz Per Beam / Year Price</td>
<td>EA</td>
<td>$5,833,752.73</td>
</tr>
<tr>
<td>AIS-O3B-4WBBW-1YP</td>
<td>4 x Whole Beam Ka-Band Satellite Bandwidth, 432 MHz Per Beam / Year Price</td>
<td>EA</td>
<td>$5,724,936.63</td>
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<tr>
<td>AIS-O3B-5WBBW-1YP</td>
<td>5 x Whole Beam Ka-Band Satellite Bandwidth, 432 MHz Per Beam / Year Price</td>
<td>EA</td>
<td>$5,616,120.54</td>
</tr>
<tr>
<td>AIS-O3B-6WBBW-1YP</td>
<td>6 x Whole Beam Ka-Band Satellite Bandwidth, 432 MHz Per Beam / Year Price</td>
<td>EA</td>
<td>$5,495,213.98</td>
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<tr>
<td>AIS-O3B-7WBBW-1YP</td>
<td>7 x Whole Beam Ka-Band Satellite Bandwidth, 432 MHz Per Beam / Year Price</td>
<td>EA</td>
<td>$5,374,307.43</td>
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</tbody>
</table>

| AIS-O3B-1WBBW-M2M | 1 x Whole Beam Ka-Band Satellite Bandwidth, 432 MHz Price is Per Beam/Month | EA | $613,576.52 |
| AIS-O3B-2WBBW-M2M | 2 x Whole Beam Ka-Band Satellite Bandwidth, 432 MHz Price is Per Beam/Month | EA | $602,838.89 |
| AIS-O3B-3WBBW-M2M | 3 x Whole Beam Ka-Band Satellite Bandwidth, 432 MHz Price is Per Beam/Month | EA | $592,101.26 |
| AIS-O3B-4WBBW-M2M | 4 x Whole Beam Ka-Band Satellite Bandwidth, 432 MHz Price is Per Beam/Month | EA | $581,056.37 |
| AIS-O3B-5WBBW-M2M | 5 x Whole Beam Ka-Band Satellite Bandwidth, 432 MHz Price is Per Beam/Month | EA | $570,012.44 |
| AIS-O3B-6WBBW-M2M | 6 x Whole Beam Ka-Band Satellite Bandwidth, 432 MHz Price is Per Beam/Month | EA | $557,740.45 |
| AIS-O3B-7WBBW-M2M | 7 x Whole Beam Ka-Band Satellite Bandwidth, 432 MHz Price is Per Beam/Month | EA | $545,469.42 |

| AIS-O3B-1YP | IP Connectivity Charge/Mbps/Month-Internet at Brazil Gateway. Price is per Mbps/month. | EA | $85.77 |
| AIS-O3B-GWY-Connectivity-Greece | IP Connectivity Charge/Mbps/Month-Internet at Greece Gateway. Price is per Mbps/month. | EA | $57.00 |
| AIS-O3B-GWY-Connectivity-Hawaii | IP Connectivity Charge/Mbps/Month-Internet at Hawaii USA Gateway. Price is per Mbps/month. | EA | $48.36 |
| AIS-O3B-GWY-Connectivity-Pakistan | IP Connectivity Charge/Mbps/Month-Internet at Pakistan Gateway. Price is per Mbps/month. | EA | $49.52 |
| AIS-O3B-GWY-Connectivity-Perth | IP Connectivity Charge/Mbps/Month-Internet at Perth, Australia Gateway. Price is per Mbps/month. | EA | $85.77 |
| AIS-O3B-GWY-Connectivity-Portugal | IP Connectivity Charge/Mbps/Month-Internet at Portugal Gateway. Price is per Mbps/month. | EA | $57.00 |
| AIS-O3B-GWY-Connectivity-Vernon-USA | IP Connectivity Charge/Mbps/Month-Internet at Vernon, Texas USA Gateway. Price is per Mbps/month. | EA | $21.29 |
| AIS-O3B-GWY-Colocation/RU | Colocation cost per 1 RU rack space per month. | EA | $100.00 |
| AIS-O3B-GWY-Colocation/Rack | Colocation cost per rack per month. | EA | $2,421.66 |
| AIS-O3B-GWY-Activation Fee-V | NRC - Gateway Modem Activation - ViaSat | NRC | $47,441.56 |
| AIS-O3B-GWY-Activation Fee-C | NRC - Gateway Modem Activation - Comtech | NRC | $57,506.44 |
Commercial Satellite Communications (COMSATCOM) Subscription Services
Daily rates are available and are calculated by using the current monthly rate / 30

<table>
<thead>
<tr>
<th>Service</th>
<th>Service Description</th>
<th>Bandwidth in MHz</th>
<th>Lease Duration</th>
<th>Regions</th>
<th>GSA Price</th>
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<tbody>
<tr>
<td>AIS-1MTER-CONUS-M2M</td>
<td>Terrestrial Connectivity</td>
<td>1024 Kbps</td>
<td>M2M</td>
<td>CONUS</td>
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<tr>
<td>AIS-1MTER-CONUS-1YP</td>
<td>Terrestrial Connectivity</td>
<td>1024 Kbps</td>
<td>1YP</td>
<td>CONUS</td>
<td>$6,000.00</td>
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<tr>
<td>AIS-1MTER-OCONUS-M2M</td>
<td>Terrestrial Connectivity</td>
<td>1024 Kbps</td>
<td>M2M</td>
<td>OCONUS</td>
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<td>AIS-1MTER-OCONUS-1YP</td>
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<td>1024 Kbps</td>
<td>1YP</td>
<td>OCONUS</td>
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<td>AIS-1MUPS-M2M</td>
<td>Teleport Uplink/Downlink</td>
<td>1024 Kbps</td>
<td>M2M</td>
<td>Worldwide</td>
<td>$1,787.08</td>
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<td>AIS-1MUPS-1YP</td>
<td>Teleport Uplink/Downlink</td>
<td>1024 Kbps</td>
<td>1YP</td>
<td>Worldwide</td>
<td>$21,444.94</td>
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<td>AIS-NOCCI-M2M</td>
<td>NOCC service fee per circuit</td>
<td>($/circuit)</td>
<td>M2M</td>
<td>Worldwide</td>
<td>$408.04</td>
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<td>AIS-NOCCI-1YP</td>
<td>NOCC service fee per circuit</td>
<td>($/circuit)</td>
<td>1YP</td>
<td>Worldwide</td>
<td>$3,264.30</td>
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<tr>
<td>AIS-TS-CONUS</td>
<td>Subscription Service Technical Support for CONUS Installation, Testing, Integrations, Commissioning, Troubleshooting, etc.)</td>
<td>N/A</td>
<td>$/Day</td>
<td>CONUS</td>
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<tr>
<td>AIS-TS-OCONUS</td>
<td>Subscription Service Technical Support for OCONUS Installation, Testing, Integrations, Commissioning, Troubleshooting, etc.)</td>
<td>N/A</td>
<td>$/Day</td>
<td>OCONUS</td>
<td>$1,496.14</td>
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<tr>
<td>AIS-ACT-PORT-M2M</td>
<td>ACTIVATION/PORTABILITY (per occurrence)</td>
<td>N/A</td>
<td>NRC</td>
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<td>AIS-ACT-PORT-1YP</td>
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<tr>
<td>AIS-256/256-BL- M2M</td>
<td>FSS/SCPC or TDMA Service 256 x 256 Kbps (=/&lt; 0.5 MHz Bandwidth Limited Service)</td>
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<td>Monthly</td>
<td>Worldwide</td>
<td>$10,526.95</td>
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<tr>
<td>AIS-256/256-PEB50-M2M</td>
<td>FSS/SCPC or TDMA Service 256 x 256 Kbps (=/&lt; 0.75 MHz Power Equivalent Bandwidth Service)</td>
<td>=/&lt; 0.75 MHz</td>
<td>Monthly</td>
<td>Worldwide</td>
<td>$12,734.19</td>
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<tr>
<td>AIS-256/256-PEB100-M2M</td>
<td>FSS/SCPC or TDMA Service 256 x 256 Kbps (=/&lt; 1 MHz Power Equivalent Bandwidth Service)</td>
<td>=/&lt; 1 MHz</td>
<td>Monthly</td>
<td>Worldwide</td>
<td>$14,941.42</td>
</tr>
<tr>
<td>AIS-512/512-BL- M2M</td>
<td>FSS/SCPC or TDMA Service 512 x 512 Kbps (=/&lt; 1 MHz Bandwidth Limited Service)</td>
<td>=/&lt; 1 MHz</td>
<td>Monthly</td>
<td>Worldwide</td>
<td>$16,062.03</td>
</tr>
<tr>
<td>AIS-512/512-PEB50-M2M</td>
<td>FSS/SCPC or TDMA Service 512 x 512 Kbps (=/&lt; 1.5 MHz Power Equivalent Bandwidth Service)</td>
<td>=/&lt; 1.5 MHz</td>
<td>Monthly</td>
<td>Worldwide</td>
<td>$21,891.40</td>
</tr>
<tr>
<td>AIS-512/512-PEB100-M2M</td>
<td>FSS/SCPC or TDMA Service 512 x 512 Kbps (=/&lt; 2 MHz Power Equivalent Bandwidth Service)</td>
<td>=/&lt; 2 MHz</td>
<td>Monthly</td>
<td>Worldwide</td>
<td>$29,772.30</td>
</tr>
<tr>
<td>AIS-768/256-BL- M2M</td>
<td>FSS/SCPC or TDMA Service 768 x 256 Kbps (=/&lt; 1 MHz Bandwidth Limited Service)</td>
<td>=/&lt; 1 MHz</td>
<td>Monthly</td>
<td>Worldwide</td>
<td>$16,062.03</td>
</tr>
<tr>
<td>AIS-768/256-PEB50-M2M</td>
<td>FSS/SCPC or TDMA Service 768 x 256 Kbps (=/&lt; 1.5 MHz Power Equivalent Bandwidth Service)</td>
<td>=/&lt; 1.5 MHz</td>
<td>Monthly</td>
<td>Worldwide</td>
<td>$21,891.40</td>
</tr>
<tr>
<td>AIS-768/256-PEB100-M2M</td>
<td>FSS/SCPC or TDMA Service 768 x 256 Kbps (=/&lt; 2 MHz Power Equivalent Bandwidth Service)</td>
<td>=/&lt; 2 MHz</td>
<td>Monthly</td>
<td>Worldwide</td>
<td>$29,772.30</td>
</tr>
<tr>
<td>AIS-1024/512-BL- M2M</td>
<td>FSS/SCPC or TDMA Service 1024 x 512 Kbps (=/&lt; 1.5 MHz Bandwidth Limited Service)</td>
<td>=/&lt; 1.5 MHz</td>
<td>Monthly</td>
<td>Worldwide</td>
<td>$22,273.22</td>
</tr>
<tr>
<td>AIS-1024/512-PEB50-M2M</td>
<td>FSS/SCPC or TDMA Service 1024 x 512 Kbps (=/&lt; 2.3 MHz Power Equivalent Bandwidth Service)</td>
<td>=/&lt; 2.3 MHz</td>
<td>Monthly</td>
<td>Worldwide</td>
<td>$30,291.58</td>
</tr>
<tr>
<td>AIS-1024/512-PEB100-M2M</td>
<td>FSS/SCPC or TDMA Service 1024 x 512 Kbps (=/&lt; 3 MHz Power Equivalent Bandwidth Service)</td>
<td>=/&lt; 3 MHz</td>
<td>Monthly</td>
<td>Worldwide</td>
<td>$41,196.55</td>
</tr>
<tr>
<td>AIS-1024/1024- BL-M2M</td>
<td>FSS/SCPC or TDMA Service 1024 x 1024 Kbps (=/&lt; 2 MHz Bandwidth Limited Service)</td>
<td>=/&lt; 2 MHz</td>
<td>Monthly</td>
<td>Worldwide</td>
<td>$30,291.58</td>
</tr>
<tr>
<td>AIS-1024/1024- PEB30-M2M</td>
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<td>Monthly</td>
<td>Worldwide</td>
<td>$41,196.55</td>
</tr>
<tr>
<td>AIS-1024/1024- PEB100-M2M</td>
<td>FSS/SCPC or TDMA Service 1024 x 1024 Kbps (=/&lt; 4 MHz Power Equivalent Bandwidth Service)</td>
<td>=/&lt; 4 MHz</td>
<td>Monthly</td>
<td>Worldwide</td>
<td>$56,027.31</td>
</tr>
<tr>
<td>Service</td>
<td>Service Description</td>
<td>Bandwidth in MHz</td>
<td>Lease Duration</td>
<td>Regions</td>
<td>GSA Price</td>
</tr>
<tr>
<td>------------------</td>
<td>--------------------------------------------------------------------------------------</td>
<td>------------------</td>
<td>----------------</td>
<td>------------------</td>
<td>----------------</td>
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<tr>
<td>AIS-1536/512-BL- M2M</td>
<td>FSS/SCPC or TDMA Service 1536 x 512 Kbps (=/&lt; 2 MHz Bandwidth Limited Service)</td>
<td>=/&lt; 2 MHz</td>
<td>Monthly</td>
<td>Worldwide Coverage**</td>
<td>$30,291.58</td>
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<tr>
<td>AIS-1536/512- PEB50-M2M</td>
<td>FSS/SCPC or TDMA Service 1536 x 512 Kbps (=/&lt; 3 MHz Power Equivalent Bandwidth Service)</td>
<td>=/&lt; 3 MHz</td>
<td>Monthly</td>
<td>Worldwide Coverage**</td>
<td>$41,196.55</td>
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<tr>
<td>AIS-1536/512- PEB100-M2M</td>
<td>FSS/SCPC or TDMA Service 1536 x 512 Kbps (=/&lt; 4 MHz Power Equivalent Bandwidth Service)</td>
<td>=/&lt; 4 MHz</td>
<td>Monthly</td>
<td>Worldwide Coverage**</td>
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</tr>
<tr>
<td>AIS-2048/1024- BL-M2M</td>
<td>FSS/SCPC or TDMA Service 2048 x 1024 Kbps (=/&lt; 3 MHz Bandwidth Limited Service)</td>
<td>=/&lt; 3 MHz</td>
<td>Monthly</td>
<td>Worldwide Coverage**</td>
<td>$41,196.55</td>
</tr>
<tr>
<td>AIS-2048/1024- PEB50-M2M</td>
<td>FSS/SCPC or TDMA Service 2048 x 1024 Kbps (=/&lt; 4.5 MHz Power Equivalent Bandwidth Service)</td>
<td>=/&lt; 4.5 MHz</td>
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<td>Worldwide Coverage**</td>
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<td>AIS-2048/1024- PEB100-M2M</td>
<td>FSS/SCPC or TDMA Service 2048 x 1024 Kbps (=/&lt; 6 MHz Power Equivalent Bandwidth Service)</td>
<td>=/&lt; 6 MHz</td>
<td>Monthly</td>
<td>Worldwide Coverage**</td>
<td>$78,438.24</td>
</tr>
<tr>
<td>AIS-4096/2048- BL-M2M</td>
<td>FSS/SCPC or TDMA Service 4096 x 2048 Kbps (=/&lt; 6 MHz Bandwidth Limited Service)</td>
<td>=/&lt; 6 MHz</td>
<td>Monthly</td>
<td>Worldwide Coverage**</td>
<td>$78,438.24</td>
</tr>
<tr>
<td>AIS-4096/2048- PEB50-M2M</td>
<td>FSS/SCPC or TDMA Service 4096 x 2048 Kbps (=/&lt; 9 MHz Power Equivalent Bandwidth Service)</td>
<td>=/&lt; 9 MHz</td>
<td>Monthly</td>
<td>Worldwide Coverage**</td>
<td>$106,676.00</td>
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<tr>
<td>AIS-4096/2048- PEB100-M2M</td>
<td>FSS/SCPC or TDMA Service 4096 x 2048 Kbps (=/&lt; 12 MHz Power Equivalent Bandwidth Service)</td>
<td>=/&lt; 12 MHz</td>
<td>Monthly</td>
<td>Worldwide Coverage**</td>
<td>$145,079.36</td>
</tr>
<tr>
<td>AIS-8192/4096- BL-M2M</td>
<td>FSS/SCPC or TDMA Service 8192 x 4096 Kbps (=/&lt; 12 MHz Bandwidth Limited Service)</td>
<td>=/&lt; 12 MHz</td>
<td>Monthly</td>
<td>Worldwide Coverage**</td>
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<tr>
<td>AIS-8192/4096- PEB50-M2M</td>
<td>FSS/SCPC or TDMA Service 8192 x 4096 Kbps (=/&lt; 18 MHz Power Equivalent Bandwidth Service)</td>
<td>=/&lt; 18 MHz</td>
<td>Monthly</td>
<td>Worldwide Coverage**</td>
<td>$197,307.93</td>
</tr>
<tr>
<td>AIS-8192/4096- PEB100-M2M</td>
<td>FSS/SCPC or TDMA Service 8192 x 4096 Kbps (=/&lt; 24 MHz Power Equivalent Bandwidth Service)</td>
<td>=/&lt; 24 MHz</td>
<td>Monthly</td>
<td>Worldwide Coverage**</td>
<td>$268,338.79</td>
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<tr>
<td>AIS-16384/8192- BL-M2M</td>
<td>FSS/SCPC or TDMA Service 16384 x 8192 Kbps (=/&lt; 24 MHz Bandwidth Limited Service)</td>
<td>=/&lt; 24 MHz</td>
<td>Monthly</td>
<td>Worldwide Coverage**</td>
<td>$271,405.52</td>
</tr>
<tr>
<td>AIS-16384/8192- PEB50-M2M</td>
<td>FSS/SCPC or TDMA Service 16384 x 8192 Kbps (=/&lt; 36 MHz Power Equivalent Bandwidth Service)</td>
<td>=/&lt; 36 MHz</td>
<td>Monthly</td>
<td>Worldwide Coverage**</td>
<td>$369,111.51</td>
</tr>
<tr>
<td>AIS-16384/8192- PEB100-M2M</td>
<td>FSS/SCPC or TDMA Service 16384 x 8192 Kbps (=/&lt; 48 MHz Power Equivalent Bandwidth Service)</td>
<td>=/&lt; 48 MHz</td>
<td>Monthly</td>
<td>Worldwide Coverage**</td>
<td>$501,991.65</td>
</tr>
<tr>
<td>AIS-32768/16384- BL-M2M</td>
<td>FSS/SCPC or TDMA Service 32768 x 16384 Kbps (=/&lt; 48 MHz Bandwidth Limited Service)</td>
<td>=/&lt; 48 MHz</td>
<td>Monthly</td>
<td>Worldwide Coverage**</td>
<td>$501,991.65</td>
</tr>
<tr>
<td>AIS-32768/16384- PEB50-M2M</td>
<td>FSS/SCPC or TDMA Service 32768 x 16384 Kbps (=/&lt; 72 MHz Power Equivalent Bandwidth Service)</td>
<td>=/&lt; 72 MHz</td>
<td>Monthly</td>
<td>Worldwide Coverage**</td>
<td>$682,708.64</td>
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<tr>
<td>AIS-32768/16384- PEB100-M2M</td>
<td>FSS/SCPC or TDMA Service 32768 x 16384 Kbps (=/&lt; 96 MHz Power Equivalent Bandwidth Service)</td>
<td>=/&lt; 96 MHz</td>
<td>Monthly</td>
<td>Worldwide Coverage**</td>
<td>$928,483.76</td>
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<tr>
<td>AIS-256/256- PEB50-1YP</td>
<td>FSS/SCPC or TDMA Service 256 x 256 Kbps (=/&lt; 0.75 MHz Power Equivalent Bandwidth Service)</td>
<td>=/&lt; 0.75 MHz</td>
<td>Annual</td>
<td>Worldwide Coverage**</td>
<td>$117,546.33</td>
</tr>
<tr>
<td>AIS-256/256- PEB100-1YP</td>
<td>FSS/SCPC or TDMA Service 256 x 256 Kbps (=/&lt; 1 MHz Power Equivalent Bandwidth Service)</td>
<td>=/&lt; 1 MHz</td>
<td>Annual</td>
<td>Worldwide Coverage**</td>
<td>$137,920.81</td>
</tr>
<tr>
<td>AIS-512/512- BL- 1YP</td>
<td>FSS/SCPC or TDMA Service 512 x 512 Kbps (=/&lt; 1 MHz Bandwidth Limited Service)</td>
<td>=/&lt; 1 MHz</td>
<td>Annual</td>
<td>Worldwide Coverage**</td>
<td>$148,264.87</td>
</tr>
<tr>
<td>AIS-512/512- PEB50-1YP</td>
<td>FSS/SCPC or TDMA Service 512 x 512 Kbps (=/&lt; 1.5 MHz Power Equivalent Bandwidth Service)</td>
<td>=/&lt; 1.5 MHz</td>
<td>Annual</td>
<td>Worldwide Coverage**</td>
<td>$202,074.44</td>
</tr>
<tr>
<td>AIS-512/512- PEB100-1YP</td>
<td>FSS/SCPC or TDMA Service 512 x 512 Kbps (=/&lt; 2 MHz Power Equivalent Bandwidth Service)</td>
<td>=/&lt; 2 MHz</td>
<td>Annual</td>
<td>Worldwide Coverage**</td>
<td>$274,820.47</td>
</tr>
<tr>
<td>AIS-768/256- BL-1YP</td>
<td>FSS/SCPC or TDMA Service 768 x 256 Kbps (=/&lt; 1 MHz Bandwidth Limited Service)</td>
<td>=/&lt; 1 MHz</td>
<td>Annual</td>
<td>Worldwide Coverage**</td>
<td>$148,264.87</td>
</tr>
<tr>
<td>AIS-768/256- PEB50-1YP</td>
<td>FSS/SCPC or TDMA Service 768 x 256 Kbps (=/&lt; 1.5 MHz Power Equivalent Bandwidth Service)</td>
<td>=/&lt; 1.5 MHz</td>
<td>Annual</td>
<td>Worldwide Coverage**</td>
<td>$202,074.44</td>
</tr>
<tr>
<td>AIS-768/256- PEB100-1YP</td>
<td>FSS/SCPC or TDMA Service 768 x 256 Kbps (=/&lt; 2 MHz Power Equivalent Bandwidth Service)</td>
<td>=/&lt; 2 MHz</td>
<td>Annual</td>
<td>Worldwide Coverage**</td>
<td>$274,820.47</td>
</tr>
<tr>
<td>AIS-1024/512- BL- 1YP</td>
<td>FSS/SCPC or TDMA Service 1024 x 512 Kbps (=/&lt; 1.5 MHz Bandwidth Limited Service)</td>
<td>=/&lt; 1.5 MHz</td>
<td>Annual</td>
<td>Worldwide Coverage**</td>
<td>$205,598.99</td>
</tr>
<tr>
<td>AIS-1024/512- PEB50-1YP</td>
<td>FSS/SCPC or TDMA Service 1024 x 512 Kbps (=/&lt; 2.3 MHz Bandwidth Limited Service)</td>
<td>=/&lt; 2.3 MHz</td>
<td>Annual</td>
<td>Worldwide Coverage**</td>
<td>$205,598.99</td>
</tr>
<tr>
<td>Service</td>
<td>Service Description</td>
<td>Bandwidth in MHz</td>
<td>Lease Duration</td>
<td>Regions</td>
<td>GSA Price</td>
</tr>
<tr>
<td>---------</td>
<td>---------------------</td>
<td>------------------</td>
<td>--------------</td>
<td>---------</td>
<td>-----------</td>
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<tr>
<td>AIS-1024/512- PEB100-1YP</td>
<td>FSS/SCPC or TDMA Service 1024 x 512 Kbps (=&lt; 3 MHz Power Equivalent Bandwidth Service)</td>
<td>=&lt; 3 MHz</td>
<td>Annual</td>
<td>Worldwide Coverage**</td>
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<tr>
<td>AIS-1024/1024- BL- 1YP</td>
<td>FSS/SCPC or TDMA Service 1024 x 1024 Kbps (=&lt; 2 MHz Power Equivalent Bandwidth Service)</td>
<td>=&lt; 2 MHz</td>
<td>Annual</td>
<td>Worldwide Coverage**</td>
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<tr>
<td>AIS-1024/1024- PEB50-1YP</td>
<td>FSS/SCPC or TDMA Service 1024 x 1024 Kbps (=&lt; 3 MHz Power Equivalent Bandwidth Service)</td>
<td>=&lt; 3 MHz</td>
<td>Annual</td>
<td>Worldwide Coverage**</td>
<td>$380,275.88</td>
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<tr>
<td>AIS-1024/1024- PEB100-1YP</td>
<td>FSS/SCPC or TDMA Service 1024 x 1024 Kbps (=&lt; 4 MHz Power Equivalent Bandwidth Service)</td>
<td>=&lt; 4 MHz</td>
<td>Annual</td>
<td>Worldwide Coverage**</td>
<td>$517,174.81</td>
</tr>
<tr>
<td>AIS-1536/512- BL- 1YP</td>
<td>FSS/SCPC or TDMA Service 1536 x 512 Kbps (=&lt; 2 MHz Power Equivalent Bandwidth Service)</td>
<td>=&lt; 2 MHz</td>
<td>Annual</td>
<td>Worldwide Coverage**</td>
<td>$279,613.85</td>
</tr>
<tr>
<td>AIS-1536/512- PEB50-1YP</td>
<td>FSS/SCPC or TDMA Service 1536 x 512 Kbps (=&lt; 3 MHz Power Equivalent Bandwidth Service)</td>
<td>=&lt; 3 MHz</td>
<td>Annual</td>
<td>Worldwide Coverage**</td>
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<tr>
<td>AIS-1536/512- PEB100-1YP</td>
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<td>=&lt; 4 MHz</td>
<td>Annual</td>
<td>Worldwide Coverage**</td>
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</tr>
<tr>
<td>AIS-2048/1024- BL- 1YP</td>
<td>FSS/SCPC or TDMA Service 2048 x 1024 Kbps (=&lt; 3 MHz Power Equivalent Bandwidth Service)</td>
<td>=&lt; 3 MHz</td>
<td>Annual</td>
<td>Worldwide Coverage**</td>
<td>$380,275.88</td>
</tr>
<tr>
<td>AIS-2048/1024- PEB50-1YP</td>
<td>FSS/SCPC or TDMA Service 2048 x 1024 Kbps (=&lt; 4.5 MHz Power Equivalent Bandwidth Service)</td>
<td>=&lt; 4.5 MHz</td>
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<td>Worldwide Coverage**</td>
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<tr>
<td>AIS-2048/1024- PEB100-1YP</td>
<td>FSS/SCPC or TDMA Service 2048 x 1024 Kbps (=&lt; 6 MHz Power Equivalent Bandwidth Service)</td>
<td>=&lt; 6 MHz</td>
<td>Annual</td>
<td>Worldwide Coverage**</td>
<td>$724,045.28</td>
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<tr>
<td>AIS-4096/2048- BL- 1YP</td>
<td>FSS/SCPC or TDMA Service 4096 x 2048 Kbps (=&lt; 6 MHz Power Equivalent Bandwidth Service)</td>
<td>=&lt; 6 MHz</td>
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<td>Worldwide Coverage**</td>
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<td>AIS-4096/2048- PEB50-1YP</td>
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<td>Worldwide Coverage**</td>
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<td>AIS-4096/2048- PEB100-1YP</td>
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<td>Worldwide Coverage**</td>
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<tr>
<td>AIS-8192/4096- BL- 1YP</td>
<td>FSS/SCPC or TDMA Service 8192 x 4096 Kbps (=&lt; 12 MHz Power Equivalent Bandwidth Service)</td>
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<td>Annual</td>
<td>Worldwide Coverage**</td>
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<tr>
<td>AIS-8192/4096- PEB50-1YP</td>
<td>FSS/SCPC or TDMA Service 8192 x 4096 Kbps (=&lt; 18 MHz Power Equivalent Bandwidth Service)</td>
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<td>Worldwide Coverage**</td>
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<td>AIS-8192/4096- PEB100-1YP</td>
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<td>Worldwide Coverage**</td>
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<tr>
<td>AIS-16384/8192- BL- 1YP</td>
<td>FSS/SCPC or TDMA Service 16384 x 8192 Kbps (=&lt; 24 MHz Power Equivalent Bandwidth Service)</td>
<td>=&lt; 24 MHz</td>
<td>Annual</td>
<td>Worldwide Coverage**</td>
<td>$2,505,281.78</td>
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<td>AIS-16384/8192- PEB50-1YP</td>
<td>FSS/SCPC or TDMA Service 16384 x 8192 Kbps (=&lt; 36 MHz Power Equivalent Bandwidth Service)</td>
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<td>Worldwide Coverage**</td>
<td>$3,407,183.22</td>
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<td>AIS-16384/8192- PEB100-1YP</td>
<td>FSS/SCPC or TDMA Service 16384 x 8192 Kbps (=&lt; 48 MHz Power Equivalent Bandwidth Service)</td>
<td>=&lt; 48 MHz</td>
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<td>Worldwide Coverage**</td>
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<tr>
<td>AIS- 32768/16384- BL- 1YP</td>
<td>FSS/SCPC or TDMA Service 32768 x 16384 Kbps (=&lt; 48 MHz Power Equivalent Bandwidth Service)</td>
<td>=&lt; 48 MHz</td>
<td>Annual</td>
<td>Worldwide Coverage**</td>
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<td>AIS-32768/16384- PEB50-1YP</td>
<td>FSS/SCPC or TDMA Service 32768 x 16384 Kbps (=&lt; 72 MHz Power Equivalent Bandwidth Service)</td>
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<td>AIS-32768/16384- PEB100-1YP</td>
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<td>Annual</td>
<td>Worldwide Coverage**</td>
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<td>AIS-HNANA</td>
<td>NORTH AMERICA HOST NATION AGREEMENTS</td>
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<td>Each</td>
<td>North America</td>
<td>$14,826.20</td>
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<td>AIS-HNACSA</td>
<td>CENTRAL/SOUTH AMERICA HOST NATION AGREEMENTS</td>
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<td>Each</td>
<td>Atlantic Ocean -AOR</td>
<td>$30,151.13</td>
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<tr>
<td>AIS-HNAEU</td>
<td>EUROPE AMERICA HOST NATION AGREEMENTS</td>
<td>N/A</td>
<td>Each</td>
<td>Europe</td>
<td>$58,488.66</td>
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<td>MIDDLE EAST/AFRICA HOST NATION AGREEMENTS</td>
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<td>Each</td>
<td>Indian Ocean Region- IOR</td>
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<tr>
<td>AIS-HNAAP</td>
<td>ASIA/PACIFIC HOST NATION AGREEMENTS</td>
<td>N/A</td>
<td>Each</td>
<td>Pacific Ocean Region- POR</td>
<td>$53,727.96</td>
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**Worldwide Coverage: NA, CA, SA, AOR, CARIB, AFR, EUR, ME, SWA, SEA, NWA, NEA, IOR, POR, OCEANIA**