

Commercial SATCOM Services for Government

Spacenet Integrated Government Solutions (SIGS) is a U.S. owned and operated division of Spacenet Inc. and is based outside of Washington D.C in McLean, VA. Spacenet incorporates almost 30 years of experience building and managing multiple 2000+ node satellite networks for Fortune 500 companies. Spacenet supports all 50 States, Puerto Rico and the Virgin Islands, as well as countries throughout the Caribbean and Central America, via coverage over various satellites through its three CONUS teleports which currently support 120,000 locations. Spacenet's owned and operated teleports provide carrier-grade, interconnected ISP services with expansion capabilities for RF and baseband equipment. These teleports are well-positioned to rapidly bring up services throughout South America and into Europe via various Americas-beam and cross-strapped bandwidth available from multiple satellite operators. Spacenet also builds teleports for its large customers who want to operate their own networks and provides training, installation and maintenance services for remote nodes.

Spacenet's COTS satellite communication solutions provide converged voice, video or data communications. SIGS offers Information Assurance and Mission Assurance Category III (MAC III) ready services with AES 256 encryption capabilities to augment Spacenet's COTS services to better serve the needs of the military and homeland defense agencies. These Military-Grade broadband networking solutions are ideal for both full-time and part-time services. Part-time services can be used for COOP and emergency response communications, and can be used to facilitate coordination and collaboration and provide increased situational awareness, interoperability and real-time information exchange for military and civil authorities at federal, state and local levels.

As required, these services comply with low-impact information system under FIPS 200 described as part of NIST SP 800-53 or MAC III system per current revision of DoDI 8500.2 IA implementation and offer AES 256 encryption with optional FIPS 140-2 support. The pre-packaged services are DVB-S2/DVB-RCS standards based with high MTBF and ACM in both directions to provide high availability. The high performance SkyEdge II platform supports both real-time applications like voice and video and non-real-time applications like email, internet, intranet etc. using advanced and standards based CIR, MIR and QoS mechanisms like cRTP, Diff Serv, 802.1q, 802.1p, and application prioritization support.

The table on the reverse provides an overview of the MAC III IA services offered under SIN 132-55 leveraging Spacenet's Connexstar S2 - COTS SkyEdge II-based platform.



To learn more call
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MAC III Ready/Protected Connexstar S2 Services

CX Service	Description
Broadband-S2 Series <i>Satellite Connectivity Services for CONUS - MRC</i> <i>Up to 3 Mbps Downstream & 1 Mbps Upstream</i> <i>Premium Customer Support, FAP Applies</i>	<p>Full Time or COOP “always-on” service supporting speeds up to 3 Mbps downstream (hub to remote site) and 1 Mbps upstream (remote site to hub).</p> <p>Typical Network Speed is 50% of the maximum downstream/upstream, and the Minimum Assured Speed is 25% of the maximum downstream/upstream.</p> <p>Price includes satellite service, up to 5 static public or custom private IP addresses, 24x7 help desk, program management, hardware warranty and basic ePortal access for site monitoring and reporting.</p> <p>Provide the flexibility to add toll-quality VoIP & Fax services, and/or add Committed Information Rate (CIR) bandwidth to support any 3rd-party real-time applications such as VoIP, fax, and video conferencing.</p>
Performance-S2 Series <i>Satellite Connectivity Services for CONUS - MRC</i> <i>Up to 6 Mbps Downstream & 1 Mbps Upstream</i> <i>Premium Customer Support, FAP Applies</i>	<p>Full Time or COOP, always-on service supporting speeds up to 6 Mbps downstream (hub to remote site) and 1 Mbps upstream (remote site to hub).</p> <p>The Typical Network Speed is 80% of the maximum downstream/upstream, and the Minimum Assured Speed is 50% of the maximum downstream/upstream.</p> <p>Price includes satellite service, up to 5 static public or custom private IP addresses, 24x7 help desk, program management, hardware warranty, and basic ePortal access for site monitoring and reporting.</p> <p>The Performance-S2 Services provide the flexibility to add toll-quality VoIP & Fax services, and/or add Committed Information Rate (CIR) bandwidth to support any 3rd-party real-time applications such as VoIP, fax, and video conferencing.</p>
SCADA-S2 Series <i>Satellite Supervisory Control & Data Acquisition Services for CONUS - MRC</i>	<p>Full Time or COOP, always-on satellite-based private and secured IP network connection.</p> <p>Designed to support remote monitoring, supervisory control and data acquisition (“SCADA”) applications, remote sensing equipment, and other transaction-based applications for pipelines, power, water and other utility distribution sites.</p> <p>Price includes satellite service, up to 5 static private IP addresses, 24x7 help desk, program management, hardware warranty, and basic ePortal access for site monitoring and reporting.</p> <p>The SCADA-S2 Services provide the flexibility to add toll-quality VoIP & Fax services, and/or add Committed Information Rate (CIR) bandwidth to support any 3rd-party real-time applications such as VoIP, fax, and video conferencing.</p>
Dedicated Bandwidth / CIR Upgrades	<p>Dedicated Bandwidth/Committed Information Rate (CIR) can be added to all Connexstar S2 Services to support any 3rd-party real-time applications such as VoIP, fax, and video conferencing. It can be added to a single VSAT site or shared across multiple VSAT sites, as specified by the customer when the order is submitted.</p>
Emergency Communication Services (ECS)	<p>Built on the SkyEdge II satellite platform and integrated with mobile auto-deploy antenna systems that can be easily installed on mobile command vehicles and trailers, or at fixed locations. The service, used in conjunction with Spacenet’s ION™ instant communications solution, a self-contained ruggedized field kit, enables rapid deployment of complete converged communications via satellite. ION™ can be easily carried by one or two people and integrated into mobile command vehicles to provide field personnel with access to the Internet, land mobile radios, and public telephone and secure private networks in minutes.</p> <p>Ad hoc, occasional use and dedicated high bandwidth emergency communications service with data rates from 512 Kbps to 3 Mbps.</p> <p>Includes a fixed MRC standby service component and high data rate broadband service on an occasional use basis charged in 24-hour increments.</p>