



SwiftBroadband from Stratos



Simultaneous high-speed data and voice connectivity for aircraft



BEYOND THE HORIZON®



SwiftBroadband from Stratos is an aeronautical satellite service providing simultaneous high-speed data (up to 432 kbps) and voice connectivity. The service enables an impressive range of cockpit and cabin applications, including telephony, text messaging, email, Internet access, as well as flight plan, weather and chart updates.

SwiftBroadband uses the new generation of Inmarsat I-4 satellites. The result is a significant enhancement in both performance and capabilities. Worldwide coverage is available as from February 2009.

Key Features

- High-speed wireless IP data and circuit-switched network
- Shared capacity IP data rates up to 432 kbps
- Streaming IP data rates up to 128 kbps
- Familiar Swift64 standard 64 kbps ISDN and toll-quality circuit switched voice
- Up to two channels per aircraft for each installation
- Supports supplementary services: call hold/waiting/forwarding, SMS and voicemail
- Multi-user, remote-office capabilities
- Simultaneous voice and data traffic
- Optional guaranteed bandwidth
- Support for legacy applications and a platform for new IP-based solutions

Enhanced Benefits

SwiftBroadband offers significantly expanded bandwidth and capabilities compared to current generation aeronautical satellite services. Unique benefits include:

Higher Speed Data

High-speed data connections at speeds of up to 432 kbps. This is significantly faster than any other current aeronautical satellite services.

Streaming Data

Guaranteed data throughput of up to 128 kbps. Available on all SwiftBroadband terminals, streaming data offers enormous benefits for customers who need guaranteed, uninterrupted throughput, without contended service degradation.

Simultaneous Voice Service

4.8 kbps high-quality voice; operates simultaneously with data on a single SwiftBroadband terminal.

Smart Applications

SwiftBroadband is ideal for integrating aircraft into a corporate or operational command network. It will become the standard in a wide variety of markets:

Business Aviation

Modern business jets often serve as a work place and the communications need to equal those on the ground. SwiftBroadband allows corporate executives to make calls, email, access company networks, browse the Internet, transfer large files and conduct videoconferences from the aircraft.

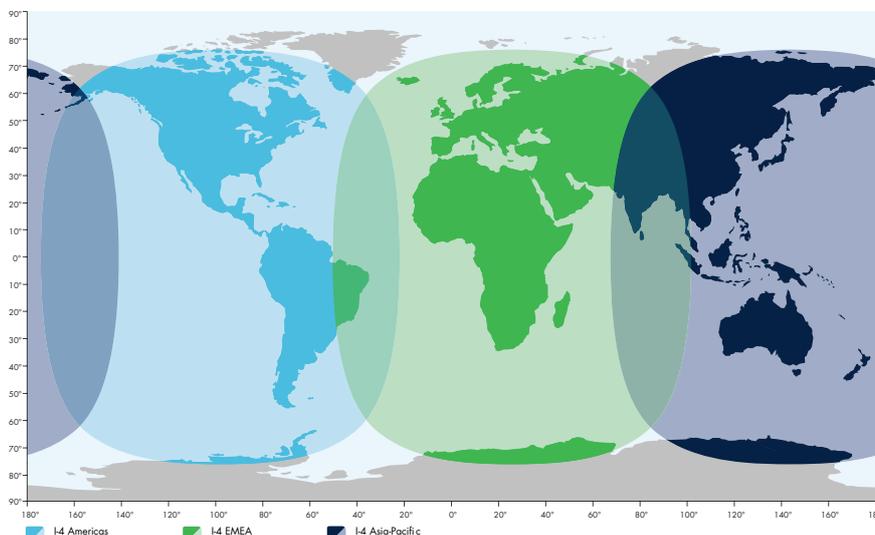
Government and Military

High performance, secure and reliable remote communications services around the globe are non-negotiable for government and military authorities. SwiftBroadband provides reliable access to command and control information resources on the ground, facilitating situational awareness.

Air Transport

Airline passengers are increasingly reluctant to be 'out of contact' when onboard. SwiftBroadband allows calls to be made and email and Internet accessed. In addition, pilots can maintain direct contact with air traffic control, receive real-time weather information, access the most fuel-efficient oceanic flight paths, and transmit aircraft position and maintenance status to ground staff.

SwiftBroadband coverage



This map depicts Inmarsat's expectations of coverage, but does not represent a guarantee of service. The availability of service at the edge of coverage areas fluctuates depending on various conditions. SwiftBroadband coverage February 2009.

The Stratos Advantage

As a key distribution partner for SwiftBroadband, Stratos is committed to further enhancing efficiency and user friendliness. We add value in the following ways:

24x7 Customer Support

Stratos provides a single point-of-contact for all initial and ongoing service requirements. Our skilled customer service professionals are on call around the clock to assist with all SwiftBroadband networking and billing issues.

Stratos Dashboard™

SwiftBroadband from Stratos will be fully integrated into the Stratos Dashboard. This online system is particularly prized by customers for its fast provisioning, cost management and credit management functions. It also provides reporting options, detailed traffic management, billing and trouble shooting information.

Credit Watch Facilities

Monitor, manage and limit consumption per aircraft and per fleet.

Instant Online Self Provisioning

Review contracts and installed base via SwiftBroadband Dashboard. Provision and change your activations and service configurations online.

Stratos Trench™ (Customer Managed Firewall)

A personal firewall between the Internet and the SwiftBroadband network that increases security and saves costs. Authorize or block (Web) traffic and applications via a user-friendly online interface.

BusinessAccess

A cost-saving and secure service that allows corporate customers to easily extend LAN networks to aircraft with SwiftBroadband.

GuaranteedAccess

Guaranteed bandwidth to the terrestrial infrastructure via the Stratos infrastructure, offering end-to-end streaming. Extending SwiftBroadband to the customer's doorstep, GuaranteedAccess service ensures customers get the capacity they pay for and what their applications require.

IP Access

Benefit from all possible types of Internet access via public, private, static and dynamic IP addresses thanks to Stratos' value added infrastructure.



Hosting SwiftBroadband

Stratos is hosting Inmarsat's primary BGAN Satellite Access Station at our earth station, which supports BGAN, SwiftBroadband, FleetBroadband and the Inmarsat Satellite Phone Service. We provide SwiftBroadband voice Interconnect services to carriers wishing to deliver the new SwiftBroadband services from their networks to Inmarsat destinations.

"As SwiftBroadband platform host, SwiftBroadband distribution partner and SwiftBroadband interconnect partner, Stratos is the first choice supplier of SwiftBroadband services."



Getting Connected

The following is required to operate SwiftBroadband on an aircraft:

- SwiftBroadband Avionics + SCM SIM Card module
- Aircraft antenna capable of receiving SwiftBroadband
- Related equipment such as Diplexer, LNA, HPA and cabling
- An agreement with a Stratos SwiftBroadband Service Provider.



The actual installation path will depend upon individual circumstances and technical requirements:

New SwiftBroadband Installation on Aircraft

If an aircraft has no Inmarsat equipment installed, choose between SwiftBroadband-only avionics and avionics that provide classical aeronautical services and SwiftBroadband.

Upgrade SwiftBroadband-ready Avionics

Aircraft with recent Swift64 installations are SwiftBroadband-ready. Depending on the avionics, antenna and diplexer, a software upgrade, hardware upgrade or a combination of both will be required.

Upgrade Existing Inmarsat Equipment

When the installed avionics are not SwiftBroadband-ready, these will need to be replaced.

Complement Existing Inmarsat Installation

Aircraft already installed with classic aeronautical services can be complimented with the addition of stand-alone SwiftBroadband avionics. If the existing antenna fulfills SwiftBroadband's technical requirements, it can be used for both services. A new antenna and diplexer might be required in some instances.

Manufacturers and OEMs

Avionics manufacturers have their own upgrade schedules for making SwiftBroadband avionics available. Aircraft OEMs also have their own timetables for certifying SwiftBroadband avionics on their airframes.

About Stratos

Stratos is the world's trusted leader for vital communications. With more than a century of service, Stratos offers the most powerful and extensive portfolio of remote communications solutions including mobile and fixed satellite and microwave services. More than 20,000 customers use Stratos products and industry-leading value-added services to optimize communications performance. Stratos serves U.S. and international government, military, first responder, NGO, oil and gas, industrial, maritime, aeronautical, enterprise, and media users on seven continents and across the world's oceans. For more information visit www.stratosglobal.com.



For more information please contact Stratos:

Toll Free (North America): 1 800 563 2255

Worldwide: +1 709 748 4226

TTY: +1 709 748 4884

Fax (Worldwide): +1 709 748 4320

Email: info@stratosglobal.com

Website: www.stratosglobal.com

Locations **Australia** Darwin, Morayfield, Perth, Sydney **Brazil** Niterói **Canada** Ottawa ON, St. John's NL **Germany** Hameln **Hong Kong** Hong Kong **India** Mumbai **Italy** La Spezia **Japan** Tokyo **Kenya** Nairobi **The Netherlands** Burum, The Hague **New Zealand** Auckland **Norway** Lysaker **Russia** Moscow **Singapore** Singapore **South Africa** Cape Town **Spain** Madrid **UAE** Dubai **United Kingdom** London, Aberdeen **United States** Bethesda MD, Englewood CO, Houston TX, Lafayette LA, New Orleans LA, New York NY, Plantation FL, Seattle WA