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FACTSHEET

BGAN X-Stream from Stratos 384+kbps Guaranteed Video Streaming Service

High quality video can now be delivered back to the studio when broadcasting remotely with the new BGAN X-Stream service from Stratos. Without the need for any additional hardware, customers can quickly establish a higher quality live link than ever before from wherever the news story is breaking.

The premium BGAN X-Stream service, allows a guaranteed minimum video streaming rate of 384 kbps with connections speeds of up to 460kbps being common. BGAN X-Stream is a strong step forward from the 256kbps standard as already used by most of the World's major newsgathering organizations. Stratos can provide this service protected at these speeds over a dedicated link to the studio for broadcast.

BGAN X-Stream now delivers live mobile satellite video without the compromise of pixilated video, overly compressed audio and the risk of key frame freezing. At 384k+, BGAN X-Stream delivers richer, smoother video with that's comparable to the rest of the broadcaster's output; video that's easy on the eyes, putting the story and not the medium on viewers' screens.

BGAN X-Stream Features

- **Fastest Video Streaming Speeds** - Available via satellite using a highly compact, battery powered, portable terminal.
- **Near 'Big Dish' Quality Video** - Delivered back to the studio from a single rugged terminal with an A4 footprint when broadcasting remotely.
- **No Additional Hardware Required** - Use an existing HNS 9201 or EXPLORER™ 700 BGAN terminal.
- **Utilizes Existing SIM Cards** - Use standard BGAN SIM cards that are provisioned for 384+kbps streaming.
- **Most Advanced Satellite Network** - Inmarsat's I-4 satellites have 16 times the power and capacity of the I-3 constellation, providing significantly enhanced performance

and capability.

- **Easily Deployable** - Enables rapid response time via a lightweight broadcast-quality solution and offers lower cost models as an alternative to SNG trucks.
- **Guaranteed Access** - A variety of last-mile options extending guaranteed bandwidth from the field into the studio. Customers should confirm that last-mile connectivity supports BGAN X-Stream.
- **Highly Compatible** - Tested and configured to work with the leading professional video applications and codecs including Clipway, Streambox, Quicklink, Livewire and Vpoint.



The Stratos Advantage

To make BGAN X-Stream even more productive and cost effective, Stratos delivers a full portfolio of value-added services and support providing users with cost control, firewall management, full traffic information, high security options, easy VPN access, messaging services and full IP range.

Guaranteed Access - Customers can achieve guaranteed, end-to-end bandwidth for time-critical data by using Stratos Guaranteed Access, which extends guaranteed bandwidth to the terrestrial infrastructure via ISDN or leased lines right to the studio.

IP Access Options - Stratos' value-added infrastructure lets customers benefit from all types of Internet and network access via public, private, static, and dynamic IP addresses.



BEYOND THE HORIZON®

Stratos Dashboard™ for BGAN

Stratos Dashboard provides real-time information on voice and data traffic so customers can stay informed and manage the entire BGAN user base. Dashboard makes it easy to handle:

- **Online Provisioning** – Easily and quickly activate/deactivate, suspend/unsuspend, and make any changes to SIM cards, special IP addresses, and other services, plus review current contracts and installed base
- **Monitoring Traffic and Usage** – Eliminate billing surprises using near real-time information on the amount of traffic used for voice and data and the associated costs
- **Billing and Reporting** – Monthly invoices can be downloaded immediately in PDF, D91 and CSV formats and exported to Excel or TXT format for additional processing
- **Credit Control** – Limit credit risk using Credit Control SIM groups, individual and group SIM credit limits, alerts, and automatic suspension features
- **Controlled Access** – Multiple access levels let customers offer and control access to usage info, with or without pricing, by the user base
- **Firewall Management** – Customer-managed personal firewall between the Internet and the BGAN network. Using a user-friendly online interface, authorize or block web traffic and applications.

Global Network and Terrestrial Delivery Options

The StratosNexus™ network infrastructure has been upgraded to a fully IP-based system supporting a full range of advanced value-added services, including end-to-end streaming, personal firewalls and satellite-optimized data compression. Stratos' extensive global Internet PoP and enhanced terrestrial core network ensure fast delivery of data traffic once it hits the ground. Using a dedicated point-to-point leased line and ISDN connections for a reliable last-mile solution, customers can bring mobile satellite traffic from the field to headquarters in the most reliable and secure manner.

Service and Support Worldwide

Stratos customers have access to a 24/7 International Customer Service Center. With this single point of contact for all service and support requirements, customers can contact experienced service professionals any time for help on technical or billing issues. And Stratos' global network of local offices can provide on-site support when needed.

BGAN from Stratos

BGAN is the first mobile communications service to deliver simultaneous voice and broadband data globally through a single portable device. BGAN is also first to offer guaranteed data rates on demand. With BGAN from Stratos, customers can set up a mobile office anywhere in only a few minutes.

BGAN from Stratos Features

- **Standard IP** – High-speed wireless IP data up to 492 kbps (shared capacity)
- **Streaming IP** – Guaranteed minimum data rates up to 384+ kbps on demand
- **ISDN** – 64 kbps ISDN
- **Voice** – Low-speed 4.8 kbps, toll-quality circuit-switched voice
- **SMS** – Send/receive messages up to 160 characters
- **Video Capabilities** – Video conferencing, broadcast, store and forward
- **Supplementary Services** – Supports call hold, call waiting, call forwarding, SMS, and voicemail
- **Terminal Options** – Extensive range of small, lightweight terminals with convenient accessories
- **BGAN Launch Pad** – Software providing a standard user interface across all BGAN terminals, with a direct link to Stratos Dashboard.
- **Security** – Secure access to corporate VPNs, all major encryption standards supported
- **Worldwide Coverage** – Utilizing Inmarsat's I-4 satellite constellation

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 please visit www.stratosglobal.com.

For more information please contact Stratos:

Toll Free (N. America): 1 800 563 2255
 Worldwide: +1 709 748 4226
 TTY: +1 709 748 4884
 Fax (Worldwide): +1 709 748 4320
 E-mail: info@stratosglobal.com
 Web Site: www.stratosglobal.com

