



Director's Report

August 2, 2006

The Satellite Industry Association (SIA) Director's Report is a weekly executive capsule covering current satellite industry news and events.

Your comments are appreciated. Please contact Christina Langlois at (202) 349-3632.

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Recent News

Intelsat announced that Rádio e Televisao de Portugal (RTP) has signed on as the first major international broadcast customer to launch a direct to home (DTH) channel on Intelsat's IA-8 satellite targeting Brazil. The new channel from RTP enhances Intelsat's already strong presence as a provider of high-quality DTH platforms in Brazil. RTP, the Portuguese national broadcaster, will use Ku-band capacity on a South American beam of IA-8 to provide DTH applications in Brazil, where Intelsat recently secured landing rights to operate its newest satellite. Intelsat, working with Brazilian broadcaster Tecsat, will provide RTP with a turnkey DTH solution which will include signal turnaround, multiplexing and space segment. [Link to Additional Information](#)

The **Boeing Company** announced its Wideband Gapfiller Satellite (WGS) program has successfully completed two more key space-to-ground compatibility tests with partners Universal Space Network (USN) and ITT Industries. The joint tests, conducted at the Boeing Satellite Development Center in El Segundo, Calif., proved the interoperability between the satellite and two key ground control systems used during orbital operations. Boeing and USN demonstrated the compatibility between the satellite's telemetry, command and ranging systems and USN's ground network. Testers controlled a WGS

satellite via USN's ground network simulator at Boeing's mission control center in El Segundo. [Link to Additional Information](#)

Boeing reports Second-Quarter Results including previously disclosed charges including: Revenue grew 2 percent to \$15.0 billion, 7 percent year to date; Net loss of \$160 million, or \$0.21 per share, includes previously disclosed charges totaling \$1.15 per share; Generated \$2.4 billion of operating cash flow; Backlog climbed to a record \$220 billion; 2007 EPS and revenue guidance increased. [Link to Additional Information](#)

Lockheed Martin announced that the Air Force Research Laboratory's (AFRL) Space Vehicles Directorate, located at Kirtland Air Force Base, NM, has chosen the company to provide engineering design and development support for the Autonomous Nanosatellite Guardian Evaluating Local Space (ANGELS) satellite program. The contract, valued at \$8 million, will extend the ANGELS Phase 3 basic effort from Preliminary Design Review (PDR) through Critical Design Review (CDR), August 2006 through August 2007. Following completion of the CDR, the Air Force will pursue a follow-on contract for production of a protoflight unit. ANGELS will provide the Air Force with an innovative nanosatellite solution for independent localized space situational awareness and

anomaly characterization of a host satellite. A demonstration flight is scheduled for late 2008 or early 2009.

[Link to Additional Information](#)

Globalstar, Inc. announced that it has launched a new promotion in the United States that will effectively reduce the per minute rate charged for satellite airtime to as low as nine cents per minute, when customers activate a new phone on one of the company's highest usage satellite rate plans. The limited time promotion is being announced as Globalstar prepares to ship its eight ground spares satellites to Europe for pre-launch testing, now that it has received export approval from the US government. During the promotion period, Globalstar is lowering the effective cost of airtime to new customers by providing them with an opportunity to receive up to 50% bonus airtime minutes, in addition to the standard bundled minutes they would normally receive when activating a satellite phone on one of the Globalstar annual or monthly airtime packages. [Link to Additional Information](#)

Hughes Network Systems, LLC (HUGHES) introduced a new version of its advanced AB9000 LMDS system. Designed for the most cost-effective backhaul of high-density 3G cellular traffic, the newly released version incorporates an 8-port STM-1 ATM multiplexer built into the LMDS hub station, eliminating the need for a stand-alone ATM switch at the base station. [Link to Additional Information](#)

The downlink phased array antenna developed by **Northrop Grumman Corporation** for the Advanced Extremely High Frequency (EHF) military satellite communications payload has completed range tests that confirmed performance

predictions. The company will provide the Advanced EHF payloads to Lockheed Martin, prime contractor for the Advanced EHF system. Test results demonstrated antenna gain and coverage performance in excess of requirements. The downlink phased array antenna, which sends signals to ground terminals, will be the first of its kind to operate at 20 GHz in space. [Link to Additional Information](#)

With its AMC-4 satellite **SES AMERICOM** and **Home2US** announced Euro-World Network has signed agreements to have hit Croatian radio and TV shows delivered to thousands of Croat viewers and families living throughout the United States. Under the fully-managed distribution agreement, **Euro-World** has moved two key Croatian channels, HRVATSKA RADIOTELEVIJZA (HRT TV) and HRVATSKA INFOMIVNI CENTRE (HIC TV), to Home2US to leverage leading international programming expertise together with the reach and reliability of the SES AMERICOM hybrid distribution network. Euro-World has also added the Croatian Music Channel (CMC) and two radio channels, Voice of Croatia and Narodni Radio, to the growing Home2US programming line-up, which is committed to reuniting Croats and other ethnic viewers in the United States with their favorite news, talk, sports, documentary, entertainment, and children's shows straight from their home countries. [Link to Additional Information](#)

Stratos Global Corp. announced financial results for the second quarter ended June 30, 2006. For the quarter, the Corporation reported revenue of US\$139.3 million, a 50 percent increase compared with the US\$92.7 million achieved in the same

quarter of 2005. This growth primarily reflected the recently completed Xantic acquisition, which was consolidated with Stratos beginning February 14, 2006. [Link to Additional Information](#)

Boeing has demonstrated the ability of the Transformational Satellite Communications System (TSAT) to link from one satellite to another using a laser beam in a simulated space environment. The demonstration, performed in cooperation with the Massachusetts Institute of Technology Lincoln Laboratories (MIT/LL), marked the third of four planned laser communication milestone demonstrations. MIT/LL tested the Boeing hardware for performance and compatibility with the U.S. government's new Lasercom Interoperability Standard, as well as the performance readiness of Boeing's TSAT optical modems. MIT/LL rated the free-space optical link operation at speeds of up to 40 gigabits per second, which enables the broadcast of 3,000 simultaneous high-definition TV channels, or about 15,000 regular TV channels, in each direction. [Link to Additional Information](#)

Lockheed Martin announced the successful delivery of the flight structure for the second Advanced Extremely High Frequency (EHF) spacecraft. The Advanced EHF system will provide global, highly secure, protected, survivable communications for all warfighters serving under the U.S. Department of Defense. The successful on-schedule delivery allows the team of Lockheed Martin Space Systems, Sunnyvale, Calif., the Advanced EHF prime contractor, and Northrop Grumman Space Technology, Redondo Beach, Calif., the payload supplier, to begin component installation

and payload integration. [Link to Additional Information](#)

In a unanimous opinion, the U.S. Court of Appeals for the DC Circuit decided against **EchoStar's** challenge to the Federal Communications Commission's "ILLR" methodology by which it is established whether an individual household can receive distant network signals. EchoStar filed with the U.S. Court of Appeals for the 11th Circuit a motion requesting the court stay the case pending its petition to a higher authority. After the decision against EchoStar's challenge to the FCC on how the FCC determines which homes are eligible to receive distant nets, the company is holding out for a writ of certiorari - and eventually - another decision from the United States Supreme Court. *Story courtesy of SkyREPORT*

The "**Disaster Recovery and Business Continuity via Satellite**" report produced by **NSR** provides a new analysis of demand trends for the disaster recovery and business continuity via satellite markets and demonstrates constant growth over the next few years will be driven by more mobile and fixed narrowband and broadband services. The survey and forecast report breaks down the markets by service and equipment type including mobile and VSAT services and transponder leases for fixed satellite services. According to NSR, an international firm specializing in satellite and wireless technologies, communication needs in times of disasters has reached an all-time high. The report estimates that constant growth from now until 2010 will be driven by increased unit deployments for mobile and fixed narrowband and broadband services in all markets. Strong revenue growth will also be driven by



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emergency planners in government and civilian agencies, pre-procurements of equipment and diversified network path

needs in the enterprise space. *Story courtesy of SkyREPORT*

Upcoming Meetings and Events

6-10 August 2006 - Association of Public-Safety Communications Officials-International (APCO) Annual Conference & Exposition – SIA presenting “First Responders Guide” on August 10th, Orlando, FL www.apco2006.org

8 August 2006 – SIA Regulatory Working Group meeting – SIA office.

21 September 2006 – Continuity of Business (via Satellite) Summit, “Acquiring Robust Communications Capability to Prepare for Natural or Man-Made Disasters,” U.S. Chamber of Commerce, Washington D.C. – Co Hosted by SIA, Space Enterprise Council and NTIA.

26-28 September 2006 – APSCC 2006 Satellite Conference and Exhibition, “Satellites – Growing with Asia”, Hotel Lotte World, Seoul, Korea; info@apscc.or.kr; www.apscc.or.kr/event/apscc2006.asp

10-12 October 2006 - United States Space Foundation Symposium, “Strategic Space 2006”, Omaha, Nebraska www.spacefoundation.org

31 October – 2 November 2006 – West Africa Satellite Communications Summit, “Does broadband satellite make sense for West Africa?” Le Meridien Hotel, Abuja, Nigeria www.gvf-events.org

12-15 November 2006 - IAEM's 2006 Annual Conference and Emergency Management and Homeland Security EXPO Exhibition (EMEX), Orlando, Florida <http://www.emex.org/> and <http://www.iaem.com/>

28 November 2006 - ISCe Satellite Investment Symposium NYC '06, New York City <http://www.isis-nyc.com/>

29-30 November 2006 – SATCON 2006, New York City www.satconexpo.com

30 November – 1 December 2006 - California Space Authority, “Transforming Space” Conference, www.californiaspaceauthority.org

5-7 December 2006 – SIA SATCOM Users Workshop, TBD

10-13 April 2007 - AIAA ICSSC-2007 – “*Evolution towards a Ubiquitous Network Society*,” Seoul, Korea, www.icssc2007.com