



Director's Report

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

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Boeing has announced the delivery of satellite hardware and the completion of new software tests for the next-generation Global Positioning System (GPS). Boeing delivered the first gyroscope package, which helps to stabilize on-orbit spacecraft, for integration on the first GPS Block IIF satellite. The first navigation data unit, which generates the information that users receive from the satellite system, has successfully completed final acceptance testing, while the unit's associated software has completed final qualification testing. GPS Operational Control Segment (OCS) controls all on-orbit navigation mission operations up to the point of mission disposal for a constellation that includes 24 operational satellites and four on-orbit spares. [Link to Additional Information.](#)

Globalstar, Inc. announced it has signed a EURO 7.7 million Authorization to Proceed (ATP) agreement with Alcatel Alenia Space for the company's second generation satellite constellation. In addition to engaging Alcatel to conduct a program readiness review and to develop program milestones, the ATP provides that Globalstar and Alcatel Alenia Space will negotiate a definitive contract for Alcatel Alenia Space to construct 48 low-earth-orbit (LEO) satellites for Globalstar's second-generation satellite constellation. The ATP will terminate on the earlier of the signing of a definitive contract and November 15, 2006. In order to secure the company's future space operations, Globalstar has specified that the planned second-generation constellation be designed to operate until at least 2025 and to seamlessly integrate with the company's current constellation of LEO satellites, while providing the space segment necessary to support significantly higher data speeds and other new services to the handheld devices. [Link to Additional Information.](#)

Globalstar, Inc. announced that it has successfully completed negotiations with the U.S. General Services Administration (GSA) and has been awarded a Federal Supply Schedule Contract for the purchase of Globalstar satellite voice and data products. The new agreement is known as a multiple awards schedule (MAS) contract and can be used for federal, state, and local government agency purchases of Globalstar satellite communications hardware and airtime products. The five-year contract, which goes into effect immediately, contains options that could see it extended to a total of 15 years. [Link to Additional Information.](#)

Hughes Network Systems, LLC (HUGHES) announced that it has started the rollout of HughesNet™ broadband Internet access service to 800 schools in the state of Parana, located in the southern part of Brazil. The contract was awarded to Hughes in July by Copel Telecom, a wholly owned subsidiary of COPEL, the power utility company that serves the state. Hughes will provide broadband Internet access using the advanced HN7700S satellite terminals to schools that are outside the coverage area of Copel

Telecom's terrestrial network, which reaches an additional 1,300 schools. According to Copel Telecom, by the end of 2006 all the 2,100 state-managed schools will be online, meeting the goals of Parana-Digital, one of the leading digital inclusion programs ever carried out in Brazilian public schools. [Link to Additional Information.](#)

Lockheed Martin and **ITT Corporation** have formed an alliance in the competition to build the U.S. Air Force's next generation Global Positioning System Space Segment program, known as GPS Block III. Under the teaming agreement, the two companies will build on their existing partnership on the government's Block IIR and IIR-M series in which Lockheed Martin serves as the prime contractor and spacecraft integrator with ITT as the navigation payloads provider. GPS III will address the challenging military transformational and civil needs across the globe, including advanced anti-jam capabilities and improved system security, accuracy and reliability. GPS Block III will enhance space-based navigation and performance and set a new world standard for positioning and timing services. [Link to Additional Information.](#)

Lockheed Martin Corporation has completed the sale of its interests in Lockheed Khrunichev Energia International, Inc. (LKEI) and ILS International Launch Services, Inc. (ILS) to Space Transport Inc. The two companies had provided sales, marketing and mission management support for launches of both the Lockheed Martin-built Atlas and Khrunichev-built Proton and Angara rockets to commercial customers. Lockheed Martin has retained all rights related to marketing the commercial Atlas vehicle and is continuing to offer Atlas launch services to the worldwide commercial market through its subsidiary, Lockheed Martin Commercial Launch Services, Inc. (LMCLS). ILS, which no longer is affiliated with Lockheed Martin, will continue to market the Russian-built Proton and Angara launch vehicles to commercial clients. [Link to Additional Information.](#)

DIRECTV will offer local HD broadcast networks in 67 markets, representing approximately 74 percent of U.S. TV households, by year end when it rolls out 25 more local HD markets in the fourth quarter. Local news, sports and popular primetime programming from ABC, CBS, FOX and NBC will be available in HD to customers who subscribe to any TOTAL CHOICE(R) programming package that offers local channels. There is no additional charge for local HD programming. [Link to Additional Information.](#)

DIRECTV continued to fortify its satellite fleet with the successful launch of DIRECTV 9S, a high-powered, spot-beam satellite that will provide back-up capacity and ensure continuous, reliable service for DIRECTV customers. The spacecraft was successfully launched from Europe's Spaceport in Kourou, French Guiana. The Space Systems/Loral-built satellite will be positioned at the 101-degree West longitude orbital slot, providing back-up capacity for the DIRECTV fleet, including spot-beam satellites that deliver standard definition local services. DIRECTV offers local channels in 142 markets, representing 94 percent of U.S. TV households. [Link to Additional Information.](#)

ITI Neovision has selected the HOT BIRD™ video neighborhood of **Eutelsat Communications** to support its new-generation pay-TV platform which launches. Called "n", the platform is the first in Poland to include High-Definition Television channels

and digital entertainment services broadcasting with MPEG4 compression. It takes from two to four the total number of transponders (36 MHz) leased at Eutelsat's HOT BIRD™ position by ITI Group. [Link to Additional Information.](#)

Alliant Techsystems recently completed a successful on-pad assembly, or pathfinder operation, of an ATK-designed launch vehicle, the ALV. This significant milestone keeps the company on schedule to fly its first mission -- designated ALV X-1 -- in 2007. Next year's ALV X-1 flight is part of ATK's plan to develop a low-cost launch vehicle for the operational responsive space (ORS) market. Possible ORS programs include the delivery of small payloads to low-earth orbit in support of DOD missions, NASA scientific missions, and commercial and university satellite programs. [Link to Additional Information.](#)

EchoStar Communications and its security partner NagraStar, along with Bell ExpressVu and DirecTV said that a settlement has been reached in the civil lawsuit against a Canadian man charged with illegal activities associated with satellite piracy. After reaching the settlement, defendant Steve Souphanthong - doing business as B-Tech Distribution - has agreed to pay the companies \$500,000 in damages. The companies involved in the civil lawsuit - filed in the Ontario Superior Court of Justice - alleged that Souphanthong was one of the largest manufacturers of piracy devices in North America and was engaged in creating, designing, manufacturing, selling, trafficking and distributing numerous high-profile piracy devices and software. Among the devices were ROM X cards and ISO programmers for use against EchoStar and Bell ExpressVu, and the Mikobu, Apollo 745 and Avenger line of products for use against DirecTV. *Story Courtesy of SkyREPORT.*

Gilat Satellite Networks is going to supply a SkyEDGE broadband satellite hub station and several VSATs to Russian satellite services operator, Teleport-Services. The company will use the SkyEDGE network to expand an interactive distant-learning initiative for the Modern University for the Humanities. The distant-learning network will consist of 300 sites for MUH and will include using the VSAT network to serve businesses and government agencies in remote regions of eastern Russia where terrestrial connectivity options are either unavailable or unreliable. *Story Courtesy of SkyREPORT.*

Americom Government Services is opening a purpose-built, secure facility in Hagerstown, MD to help address the government's need for commercial satcom. A ribbon-cutting ceremony is scheduled at the 30,000-plus square foot building. Network engineering, production and development work on many Americom satellite-based communications solutions will be conducted at the new facility, including the recently announced Command and Control on the Move (C2OTM) service. Rep. Roscoe Bartlett (R - MD) will attend the event to recognize the company's role in supplying the government with satellite communications solutions and investment in the community of Washington County. *Story Courtesy of SkyREPORT.*

SES GLOBAL announces the appointment of Mr. Robert Bednarek to the position of President and CEO of SES NEW SKIES. In his new position, Mr. Bednarek will continue

to report to Romain Bausch, President and CEO of SES GLOBAL and will remain a member of the SES Executive Committee. [Link to Additional Information.](#)

Upcoming Meetings and Events

17 October 2006 – National Space Club Annual Fall reception at Goddard Space Flight Center, Call 202-973-8661, opt 2 with questions or contact rorynsc@starpower.net.

19 October 2006 – U.S. Department of Commerce, Office of Space Commercialization, and the U.S. Chamber of Commerce “Leveraging GIS Capabilities to Civil Government Agencies: Building a Bridge to a Safe, Secure and Prosperous Future,”

<http://www.uschamber.com/events/ViewEvent.htm?eventID=688>

19 October 2006 – WSBR Executive Lunch, “Space and Satellites: State of the Investment Climate,” The University Club, 1135 16th Street, NW, Washington, DC

www.wsbr.org

13-15 November 2006 – Global MilSatCom, Millennium Conference Centre, London

<http://www.smi-online.co.uk/goto/milsatcom.asp?emref=R25ER91632695>

28 November 2006 - ISCe Satellite Investment Symposium NYC '06, New York City

<http://www.isis-nyc.com/>

28 November 2006 - SSPI Future Leaders Dinner, New York City www.satfuture.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 – DoD SATCOM Users Workshop, Tyson’s Corner Marriott, McLean, VA. For more information contact SIA at info@sia.org.