



Director's Report

October 31, 2006

The Satellite Industry Association (SIA) Director's Report is a weekly executive capsule covering current satellite industry news and events. See the bottom of page for additional information.

Recent News

A **Boeing** Delta II rocket launched a NASA spacecraft to provide a new perspective on solar eruptions. NASA's Solar Terrestrial Relations Observatory (STEREO) spacecraft will capture images of solar eruptions and other related events from two nearly identical observatories. [Link to Additional Information.](#)

Intelsat announced that its PAS-6B satellite experienced an anomaly early this morning during a routine, scheduled maneuver. The satellite is used primarily by a Brazilian direct-to-home television service. Services were completely restored this afternoon with all transponders operating normally. [Link to Additional Information.](#)

Iridium Satellite announced two new initiatives as it serves the U.S. military market. Iridium is now approved to provide its 9601 data modem to the U.S. Department of Defense (DoD), and other approved users, through its contract with the Defense Information Systems Agency (DISA). Based on the company's Short Burst Data (SBD) messaging service, this modem is already being used widely in commercial applications such as asset tracking, remote monitoring and telemetry reporting. Iridium envisions widespread application of the 9601 data modem to meet a broad variety of requirements among users in defense, homeland security, logistics, force tracking, remote sensing and other data applications. The 9601 supports wireless, two-way data links with Iridium's unique pole-to-pole global coverage and extremely low latency. [Link to Additional Information.](#)

The second modernized Global Positioning System Block IIR (GPS IIR-M) satellite, designed and built by **Lockheed Martin** has been declared fully operational for military and civilian navigation users around the globe. This milestone is the culmination of a successful on-orbit deployment and check-out phase that allowed the spacecraft to begin service ahead of the planned schedule. [Link to Additional Information.](#)

Lockheed Martin has delivered a critical payload subsystem for the second geosynchronous orbit (GEO-2) satellite in the Space-Based Infrared System (SBIRS) program. SBIRS will provide significantly enhanced missile warning capabilities and support other national security missions simultaneously including missile defense, technical intelligence and battlespace characterization. The company shipped the second Pointing & Control Assembly (PCA) to Northrop Grumman Electronic Systems, Azusa, Calif. for integration into the GEO-2 payload. The PCA is a major payload subsystem that allows the spacecraft's optical telescopes to be positioned precisely to scan and stare at designated areas, enabling operators to modify the areas of surveillance according to national priorities. [Link to Additional Information.](#)

The Defense Meteorological Satellite Program (DMSP) F-17 Block 5D-3 spacecraft, built under contract for the U.S. Air Force by **Lockheed Martin**, is undergoing final preparation for a launch from Vandenberg Air Force Base, Calif. on November 4. [Link to Additional Information.](#)

Loral Space & Communications Inc. announced that, in response to certain shareholders' recent expressions of interest in participating in its financing plans, it has requested that MHR Fund Management LLC consider proposing an alternative to the recently announced \$300 million equity financing transaction that would include the participation of all interested shareholders. MHR has indicated to Loral that it is pleased with the interest shown by shareholders and that its response will be forthcoming. [Link to Additional Information.](#)

SES AMERICOM and Harmonic Inc. announced the integration of Harmonic's latest video encryption technology with SES AMERICOM's IP-PRIME™ IPTV distribution service. The new Harmonic ProStream™ 1000 with ProCipher™ AES scrambling and bulk descrambling technology is a key component of IP-PRIME, which enables large and small telephone company operators and broadband service providers across the U.S. to securely, easily and cost-effectively deliver a full lineup of top quality programming to consumers. [Link to Additional Information.](#)

TerreStar Networks Inc. announced a Cooperative Research and Development Agreement (CRADA) (No. [DISA-07-001](#)) with the Defense Information Systems Agency (DISA) of the U.S. Department of Defense concerning TerreStar's developing North American Emergency Response Communication Network. TerreStar Networks will perform research and development on the following communication technology development topics including Network, Operations, Applications, Facilities and Sustainment. [Link to Additional Information.](#)

Integral Systems, Inc. provided an update on its work with BB&T Capital Markets | Windsor Group to explore strategic alternatives to maximize stockholder value, including a possible sale of the Company. Because discussions with potential interested parties have to date not resulted in any proposal, agreement or transaction involving a sale of the Company, the Board of Directors of the Company has, after consultation with the Company's outside financial advisors, decided to explore and evaluate other strategic alternatives to maximize stockholder value while continuing to explore and evaluate a possible sale of the Company. [Link to Additional Information.](#)

SES GLOBAL and **Eutelsat Communications** announce a joint investment in the first European satellite infrastructure for broadcasting video, radio and data to mobile devices and vehicle receivers. In view of the innovative nature of this market SES and Eutelsat have agreed to join forces in a 50/50 joint venture company, which will operate and commercialise the S-band payload on W2A. The company will be set up by SES ASTRA and Eutelsat following approval from relevant regulatory agencies. The S-band space segment represents an investment of approximately 130 million euros. The S-band (2.0 and 2.2 GHz), which represents a new frequency band for both SES and Eutelsat, provides a set of frequencies optimised for supporting a wireless distribution network for delivering video and other services to mobile devices, including phones, PDAs, laptops and vehicle receivers. [Link to Additional Information.](#)

Fans of this year's VinaCapital Hong Kong to Vietnam Yacht Race have been following the progress of participants by logging on to the web - thanks to Inmarsat-supported tracking

technology. **Inmarsat** partners Skywave - a UK-based marine services and electronics provider and French-based applications company Pole Star - joined forces to supply the service for the event. [Link to Additional Information.](#)

ATK solid propulsion and composite technologies supported last night's successful launch of a Boeing Delta II rocket from Cape Canaveral Air Force Station, Fla. The launch began NASA's Solar Terrestrial Relations Observatory (STEREO) mission to study the sun. The two-year mission, involving a pair of near-identical satellites, will provide scientists with the first 3D images of the sun and allow them to study powerful solar eruptions called coronal mass ejections. [Link to Additional Information.](#)

Alliant Techsystems announced that Kent Rominger, former NASA Chief of the Astronaut Corps, has accepted the position of Vice President, Advanced Programs within the Launch Systems Group. [Link to Additional Information.](#)

Upcoming Meetings and Events

13-15 November 2006 – Global MilSatCom, Millennium Conference Centre, London
<http://www.smi-online.co.uk/goto/milsatcom.asp?emref=R25ER91632695>

14 November 2006 - SSPI Mid-Atlantic Chapter Networking & Panel Discussion "Solving the DoD Bandwidth Requirements via Communications Satellite," The Boeing Company, 1200 Wilson Blvd., Arlington, VA. Contact La Rene Tondro sspi@erols.com for additional information.

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 <http://www.satconexpo.com/>

30 November – 1 December 2006 - California Space Authority, "Transforming Space" Conference, <http://www.californiaspaceauthority.org/>

5-7 December 2006 – DoD SATCOM Users Workshop, Tyson's Corner Marriott, McLean, VA.
<http://www.sia.org>

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