



# Director's Report

September 4, 2007

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 four-month demonstration conducted in space of the **Boeing** Orbital Express system culminated in an unqualified success. The mission, sponsored and led by the Defense Advanced Research Projects Agency (DARPA), to validate on-orbit servicing technologies, recently tested the system. Orbital Express met or exceeded all of its test objectives to become the world's first spacecraft capable of performing autonomous on-orbit servicing functions. [Link to additional information](#)

**Hughes Network Systems, LLC** announced that it has provided Joint Stock Company Iskra Research & Development of Krasnoyarsk, Russia, with an HN NOC and 500 HN7000/7740 remote satellite terminals. Iskra's primary customers are government agencies, large enterprises, SME, and telecom operators located in remote regions of Siberia without access to a well-developed terrestrial telecommunications infrastructure. [Link to additional information](#)

The JCSAT-11 communications satellite, designed and built by **Lockheed Martin** for the JSAT Corporation of Japan, is ready for its scheduled launch of the Baikonur Cosmodrome aboard a Proton/Breeze M launch vehicle provided by International Launch Services. JCSAT-11 is a high-power hybrid satellite consisting of 30 active Ku-band transponders and 12 active C-band transponders that will provide coverage to Japan, the Asia-Pacific region and Hawaii. JCSAT-11 is designed for a minimum service life of 15 years and will serve as a back up satellite for other JSAT satellites following its scheduled launch. [Link to additional information](#)

**The Boeing Company** has successfully demonstrated for the first time that its Family of Advanced Beyond line-of-sight Terminals (FAB-T) system can acquire an operational satellite and complete downlink data transmissions. During the Low Data Rate test, a FAB-T radio communicated with an operational Milstar satellite and completed a series of downlink tests, meeting program schedule commitments and laying the foundation for uplink tests and other interoperability assessments later this year. [Link to additional information](#)

A **Lockheed Martin** -led team has begun production activities to reconfigure a modernized Global Positioning System Block IIR (GPS IIR-M) satellite to include a new demonstration payload that will temporarily transmit a third civil signal following a successful review with the Air Force. Lockheed Martin and ITT, its navigation payload supplier, are proceeding on-schedule under a \$6-million contract awarded by the Air Force in April 2007 to develop and integrate a payload that will provide an on-orbit demonstration capability for the new civil signal. [Link to additional information](#)

**Eutelsat Communications** and ViaSat Inc. announced that the consumer broadband satellite service they are partnering to offer in Europe will be available at the end of September in Germany, with selected other European markets to follow before the end of the year. Called Tooway™, the new-generation high-quality and affordable service is designed for residential

users, with equipment a fraction the cost of existing enterprise-focused satellite services. As a new broadband alternative for homes with low-speed dial-up, Tooway™ can at last change the price/performance paradigm for consumer satellite Internet access in rural areas across Europe. [Link to additional information](#)

**The Boeing Company** submitted its proposal to the U.S. Air Force for the development and production of up to 12 Global Positioning System (GPS) III satellites. The enhanced spacecraft will offer positioning service that is 10 times better than today's system as well as improved anti-jamming capabilities for the warfighter. [Link to additional information](#)

**Stratos Global Corp.** announced that the State of Louisiana has completed deployment of BGAN from Stratos to support statewide emergency communication applications. Stratos' comprehensive mobile satellite communications solution for the State of Louisiana includes installation of roof-mounted satellite antennas and portable Inmarsat BGAN units for continuity of operations and field personnel deployment. [Link to additional information](#)

**The Boeing Company** has been awarded a NASA contract valued at approximately \$514.7 million to produce the upper stage of the Ares I crew launch vehicle. This element provides the navigation, guidance, control and propulsion required for the ascent of the second-stage Ares I into low-Earth orbit. The Ares I launches the Orion crew exploration vehicle, which will be joined with other elements of NASA's Constellation program to help propel astronauts to the moon by 2020. [Link to additional information](#)

Sub-Saharan pay-TV operator MultiChoice Africa is boosting its capacity leases with **Eutelsat Communications** to support further expansion of its video and internet services across the African region. With the lease of four new Ku-band transponders on Eutelsat's SESAT-1 satellite, MultiChoice will be able to extend the range of digital channels it markets across central and eastern Africa as well as its offering of both residential and enterprise-level internet access. *Story Courtesy of SkyREPORT*

Rocket segments for the Zenit-3SL system recently arrived at Home Port, as Sea Launch transitions to mission operations. The hardware will support the launch of the Thuraya 3 satellite, as well as additional upcoming missions into 2008. The segments for the Zenit-3SL system began their journey in Dnepropetrovsk and Moscow and were transported by rail to the Port of Oktyabrsk, Ukraine, on the Black Sea. Thirty-five days later, the shipment arrived in Long Beach, Calif., on the *Condock*, a roll-on/roll-off vessel based in Germany. [Link to additional information](#)

Globalstar, Inc. announced it has signed a launch agreement with European launch services company Arianespace for the launch of Globalstar's second-generation LEO (low earth orbit) satellite constellation. The agreement provides Globalstar with the ability to conduct back-to-back launch campaigns and commence launching its second-generation satellites as early as the summer of 2009. [Link to additional information](#)

## **Upcoming Meetings and Events**

**6 September 2007** - Reception and Technology Demo on Capitol Hill Please RSVP no later than COB Sept. 4 RSVP to La Rene Tondro: [sspi@erols.com](mailto:sspi@erols.com)

**18-20 September 2007** - APSCC 2007 Satellite Conference and Exhibition, Millennium Hilton, Bangkok, Thailand <http://www.apsc.or.kr/event/apsc2007.asp>

**9 October 2007** - ISCe Satellite Investment Symposium (ISIS NYC '07), The Princeton Club, New York, NY <http://www.isis-nyc.com>

**9 October 2007** - SSPI Future Leaders Dinner. The Princeton Club, New York, NY [www.satfuture.com](http://www.satfuture.com)

**10-11 October 2007** –Industry Leaders Roundtable: Where is the Satellite Industry Today? Where will it be Tomorrow? Jacob K. Javits Convention Center New York, NY [www.satconexpo.com](http://www.satconexpo.com)

**29- 31 October 2007** - Interoperability: Policy to Performance, Gaylord Palms Resort and Convention Center, Orlando, Florida <http://www.milcom.org>

**5-8 November 2007** – Transforming Space 2007, Los Angeles, California, [www.californiaspaceauthority.org/conference2007](http://www.californiaspaceauthority.org/conference2007)

**12-13 November 2007** - Reach to Space Conference, GW University (805 21st St. NW St. NW) [www.reachtospace.org](http://www.reachtospace.org)

**13-15 November 2007** – SATCOM DoD Satcom Workshop, The Renaissance Washington, DC Hotel

**26-28 February 2008** – Satellite 2008, Washington Convention Center, Washington, DC <http://www.satellitetoday.com/satellite2008>

**27-29 February 2009** – International Wireless Communications Expo, Las Vegas Convention Center, Las Vegas, Nevada, [www.iwceexpo.com](http://www.iwceexpo.com)

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