



Director's Report

October 11, 2005

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 Cindy Spiers at (202) 349-3632.

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Member News

Globalstar LLC has signed a contract with Starsem for one firm launch of the Globalstar constellation's replacement satellites with an option for a second by Soyuz launch vehicles. The launch is planned for 2007 from the Baikonur Cosmodrome in Kazakhstan. The satellites will be placed into a circular orbit, supplementing the Globalstar satellite network already in place. Between February and November 1999, Starsem successfully launched twenty-four Globalstar satellites, one half of the original constellation, using six Soyuz launch vehicles. Story courtesy of SkyREPORT

Harris Corporation announced it has been selected by **Space Systems/Loral (SS/L)** to design and construct four unfurlable mesh reflectors for three commercial satellites that SS/L is supplying to telecommunications and radio broadcast service providers. Featuring a gold mesh reflective surface, each antenna reflector stows much like an umbrella for launch into space. Under contract to SS/L, Harris will provide an unfurlable mesh reflector for **ICO Satellite Management LLC's** geostationary Mobile Satellite Services (MSS) communications satellite; a reflector for **TerreStar Networks, Inc.'s**

geostationary TerreStar-1 mobile communications satellite; and two reflectors for **XM Satellite Radio's** XM-5 radio broadcast satellite. Story courtesy of SatNews Daily

Lockheed Martin awarded L-3 Communications Systems-East division a contract to design and develop the TRANSEC COMSEC Unit (TCU) for the Mobile User Objective System (MUOS). MUOS is the next-generation narrowband tactical satellite communications system that will provide significantly improved and assured voice, video and data communications for the mobile warfighter. Lockheed Martin Space Systems is the prime contractor and system integrator for MUOS, which will replace the current narrowband tactical satellite communications system known as the Ultra High Frequency Follow-On (UFO) system. Story courtesy of Satnews Daily

Boeing announced the on-orbit delivery of the Spaceway F1 satellite to **DIRECTV, Inc.** The most complex commercial satellite ever manufactured, Spaceway F1 will enable DIRECTV to broadcast local high definition television (HDTV) channels into several of the nation's largest markets. Spaceway F1 includes an innovative, on-board digital processor and



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a flexible payload with a fully steerable downlink antenna that can be reconfigured on orbit to seamlessly address market conditions. Spaceway F1, and its sister satellite, Spaceway F2, are among DIRECTV's next generation of direct-to-home (DTH) broadcast satellites. The spacecrafts' adaptable spot beam technology and reconfigurable routing will allow DIRECTV, Inc. to bring HDTV local service to most U.S. television households. Spaceway F2 is scheduled for launch later this year.

The International Bureau at the Federal Communications Commission granted **DirecTV** authority to operate its DirecTV 5 satellite at the 109.8-degree orbital location and to relocate the DirecTV 6 satellite to the 109.7-degree orbital location. The long-term plan for the satellite TV company will be to hand off customer traffic from DirecTV 6 to DirecTV 5, and place DirecTV 6 at the 109.5-degree orbital location, where it will reside as an in-orbit spare. The FCC authorization will allow DirecTV to maintain continuity of service for customers receiving signals from the orbital location. Story courtesy of SkyREPORT.

DirecTV is introducing a \$30 million advertising campaign to promote its highly anticipated digital video recorder. DirecTV's standard **DVR** will be introduced in late October, and another model featuring high-definition service will be introduced in mid-2006. The standard DVR will feature up to 100 hours of recordable space. The ad describes features including the ability to record a whole season of shows, and to pause and

rewind live TV. Story courtesy of Jane L. Levere, New York Times

Hughes Networks Systems Americas (HNSA), a wholly owned subsidiary of **Hughes Network Systems, LLC** (HNS), has announced the introduction of the DW7000 family of next-generation satellite broadband routers as the platform for its broadband enterprise services in Brazil. New service packages are being designed to deliver the most cost-effective satellite broadband solutions across a wide range of applications and market sectors—from enterprise, to government, to consumer/small office customers. HNSA said the DW7000 product family is compliant with the IPoS standard (IP over Satellite), the first to be approved by the world's three major standards setting bodies, namely TIA in North America, and ETSI and the ITU in Europe, and is endorsed by Intelsat. The DW7000 family also complies with the DVB-S and DVB-S2 standards for the downlink, which yields downstream throughputs as high as 90Mbps. Story courtesy of Satnews Daily

AMERICOM GOVERNMENT SERVICES, Inc. (AGS), a wholly-owned subsidiary of **SES AMERICOM**, announced it received a five-year contract to support the Centers for Disease Control and Prevention's (CDC) Global Disease Detection initiative designed to recognize infectious disease outbreaks faster and improve the overall ability to control and prevent such health risks. AGS will provide satellite communication services to link 16 locations in Africa and the Caribbean and streamline CDC communications, which are currently carried over disparate networks. Through

the Global Disease Detection initiative, CDC connects medical doctors and researchers around the world to evaluate bioterrorism-associated or emerging infectious diseases. AGS will be provisioning the voice, data and video conferencing services for the network using robust satellite technology to ensure dependable communication for the numerous disparate networks. The network will utilize transponders on SES AMERICOM satellites AMC-12 and AMC-6 with coverage across the Atlantic Ocean and throughout North America.

Other News

DigitalGlobe announced details of the company's next generation of imaging systems, WorldView I and WorldView II. WorldView I, combined with QuickBird, will enable DigitalGlobe to have the two highest resolution commercial imaging satellites on-orbit for at least a year before any comparable system is launched. With an average revisit time of 1.7 days and a swath width of 16 kilometers, WorldView I will be capable of collecting up to 500,000 square kilometers (200,000 sq. mi.) per day of half-meter imagery. WorldView I will also be capable of directly downlinking imagery to customer locations. WorldView II is planned to launch no later than 2008. Story courtesy of Satnews Daily

Telesat Canada said it began commercial services on its newest satellite, the state-of-the-art Anik F1R. The satellite will support Canadian satellite TV service Star Choice. Other major customers aboard the bird include CTV, CHUM Television and

CBC. Also, Telesat's Anik F1R has a navigation payload that aims to enhance the global positioning system used in aviation across Canada and the United States. Telesat's Anik F1R payload consists of 32 Ku-Band transponders, 24 C-Band transponders and two navigation transponders. Anik F1R, co-located with Telesat's Anik F1 satellite, operates from 107.3 degrees. Telesat said will transfer its existing North American traffic from Anik F1 to Anik F1R, allowing Anik F1 to focus exclusively on service to South America. Courtesy of SkyREPORT

The New York Taxi Workers Alliance is protesting a move that would require all city cabs to be equipped with a system similar to a GPS device. Cab owners fear the navigation device could potentially violate drivers' civil rights by checking for speeding and by providing the courts with subpoenaed information. The Taxi and Limousine Commission says the new tracking system would offer many benefits, such as the ability to find stolen cabs, locate lost property, and offer traffic updates through text messaging. The agency says this is not about tracking drivers, but improving service for passengers.

Thrane & Thrane, Inc. announced that it has been awarded a five-year U.S. General Services Administration (GSA) Schedule Contract through which government agencies can more efficiently procure and deploy the company's mobile satellite communications solutions. With the government's current focus on procuring technology to be deployed more efficiently during times of crisis, Thrane & Thrane's GSA Schedule will provide an opportunity



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for agencies with emergency response requirements to be able to rapidly implement mobile satellite communications solutions for critical relief efforts.

Hannover Fairs USA, Inc. (HFUSA) announced the addition of David Bross as Director of Business Development and Vice-Chairman of **ISCe**. Mr. Bross will be responsible for program development and exhibit and sponsorship sales for ISCe as well as business development related to other global events organized by HFUSA.

Upcoming SIA Meetings and Events

November 15-18 - SIA Hosted DoD Fixed/Mobile Commercial Satellite Communications (SATCOM)Users Workshop, Crystal Marriott, Crystal City, VA. Contact SIA for details.

November 16th - SIA Hosted Civil Government Commercial SATCOM Workshop, Crystal Marriott, Crystal City, VA. Contact SIA for details.

December 1-2 – Transforming Space Conference: Innovation, Infrastructure and Intellectual Capital; Sheraton Gateway Hotel, Los Angeles, CA.

Go to www.californiaspaceauthority.org/conference for details.

December 12-15 – SIA Hosted ITU International Satellite Workshop, FCC, Washington DC. Contact SIA for details

"We are pleased to have David onboard as a member of the ISCe and Hannover Fairs USA team," said Art Paredes, Vice President of West Coast Operations and ISCe chairman. "His outstanding knowledge of the satellite industry and his experience in conference planning will add tremendous value to ISCe and its continued growth."