

# October 2010: APSCC Monthly e-Newsletter

The **Asia-Pacific Satellite Communications Council (APSCC)** aims to keep its members and subscribers updated with the latest satellite industry news as well as APSCC activities, thus produces a e-newsletter on a monthly basis as part of its information services for its members and professionals in the satellite industry. To renew your subscription, please fill out the Subscription Reply form and send it to [info@apscc.or.kr](mailto:info@apscc.or.kr) at least every six months. To unsubscribe, send an email to [info@apscc.or.kr](mailto:info@apscc.or.kr) with a title "Unsubscribe."

*News in this issue has been collected from September 1 through September 30.*

## **APSCC 2010 Satellite Conference & Exhibition**

**October 5-7, 2010 @ Hilton Hotel, Tokyo, Japan**

Themed "**Beyond Survival, It Is Responsibility**", the APSCC 2010 Satellite Conference and Exhibition will feature world-renowned industry experts at its CEO Roundtables, panel discussions, technical sessions. With strong connection to the Asian satellite community, APSCC 2010 will identify new business breakthroughs ahead of the industry and share the insights for the fast growing market of the Asia-Pacific region. Don't miss the chance to meet face-to-face with leading satellite technology experts.

<http://www.apscc.or.kr/event/apscc2010.asp>.

## **SATELLITE BUSINESS NEWS**

### **Intellian, Sea Tel, and Jotron Demonstrate Interoperability with iDirect**

September 7, 2010 – iDirect announced that three leading manufacturers of stabilized marine VSAT antennas – Intellian, Sea Tel, and Jotron – have implemented the OpenAMIP protocol developed by iDirect and completed successful interoperability testing with iDirect's suite of broadband satellite routers. OpenAMIP is IP-based protocol that facilitates the exchange of information between an Antenna Controller Unit and a satellite router. It allows the router to command the antenna and enables the use of Automatic Beam Switching, which transfers connectivity from one satellite beam to the next as a vessel passes through multiple footprints.

### **SES WORLD SKIES Connects the Troops**

September 9, 2010 - Dedicated to keeping armed forces connected, SES WORLD SKIES announced that the Services Sound and Vision Corporation (SSVC) has extended agreements to deliver television and radio programming to British troops around the world. The non-profit organization will utilize two SES WORLD SKIES satellites, 30MHz on NSS-12 and 27MHz on NSS-806, to distribute a popular mix of news, sports and entertainment channels from The British Forces Broadcasting Service (BFBS) to remote military installations. British Forces across Africa and the Atlantic Ocean Region, including forces in The Falkland Islands, Belize and British Navy ships traversing international waters, are well within reach of the SSVC's satellite-delivered content.

### **CSL Launches Surya Citra Televisi (SCTV) in Collaboration with SpeedCast**

September 9, 2010 - CSL Limited, Hong Kong's mobile operator, announced the introduction of "Surya Citra Televisi (SCTV)" to customers of their SIM service "Hemat" dedicated for Indonesian expatriates living in Hong Kong. Supplied by SpeedCast in mobile format, this channel provides an array of entertainment content for Indonesian communities worldwide. SpeedCast partnered with CSL to deliver the content and provides the channel downlink, live encoding and delivery services, as well as maintaining 24/7 monitoring and operations from its world-class Network Operations Centre and teleport facilities in Hong Kong.

### **Globalstar Takes Delivery of Three Additional Satellites from Thales Alenia Space**

September 1, 2010 – Globalstar took delivery of three additional second-generation satellites from Thales Alenia Space. The three new satellites were shipped to the Baikonur Cosmodrome in Kazakhstan where they will join the three new satellites that were delivered in early August. All six new second-generation satellites will undergo preparations and testing for an October launch using Soyuz launch vehicle by Arianespace. The Company plans to integrate the 24 new second-generation satellites with the eight first-generation satellites that were launched in 2007, to form a 32 satellite constellation. The second-generation constellation provides enhanced services featuring increased data speeds of up to 256 kbps in a flexible Internet protocol multimedia subsystem (IMS) configuration. Products and services supported are expected to include: push-to-talk and multicasting, advanced messaging capabilities such as multimedia messaging or MMS, mobile video, geo-location services, multi-band and multi-mode handsets, and data devices with GPS integration.

### **Thuraya Launches Smallest IP Antenna for Enhanced Speed and Portability**

September 7, 2010 - Thuraya launched a new compact antenna manufactured by the antenna specialist, SCAN Antenna to enhance streaming speeds of Thuraya's IP terminal. SCAN Active antenna for Thuraya IP is the smallest in the market and provides 384 Kbps uplink and downlink streaming speeds reliably. This antenna is ideal for many market segments including the broadcast and defense which require portable solutions when streaming from the field and wish to fit this compact unit in their gear. Thuraya IP is the world's smallest satellite broadband solution providing Standard speeds of 444 Kbps and was the first to reach streaming speeds of 384 Kbps.

### **Astrium and SpaceX Sign an Agreement to Bring Falcon 1e to the European Market**

September 9, 2010 - Astrium and Space Exploration Technologies (SpaceX) signed an agreement to provide launch services to the European institutional very small satellite market. This agreement will enable Astrium and SpaceX to market Falcon 1e launch capabilities to space agencies and other institutional customers in Europe for launches to take place through to 2015. With dedicated launch services, customers with very small payloads can launch independently to low-Earth orbit, giving them greater control over the launch and actual launch schedule. With the Falcon 1e, Astrium and SpaceX will be able to offer these services at the lowest cost per flight.

### **Permira Funds Invest in Asia Broadcast Satellite**

September 13, 2010 - A company backed by the Permira funds, along with the Asia Broadcast Satellite (ABS) management team, reached an agreement to acquire Kingsbridge Limited, the holding company for ABS. The Permira funds will become the majority shareholder of ABS. The acquisition of ABS is entirely equity funded. The Permira funds support ABS to become a leading satellite operator in its target markets. One of its key near-term initiatives is to build and launch the new ABS-2 satellite, which will be one of the largest fixed service satellites to be launched over the Eastern Hemisphere. The Permira funds have significant experience in the satellite sector, having previously made successful investments in Inmarsat (2003) and Intelsat (2005).

### **Eutelsat and SpeedCast Expand Maritime Broadband Service with Multiple Regional Beams**

September 22, 2010 - Eutelsat and SpeedCast announced that they have further expanded the reach of their regional maritime broadband service, with the extension of their 60 cm coverage to include the Mediterranean region. The smaller form factor 60 cm marine antenna is ideally suited for small-to-mid-sized vessels such as yachts, fishing, and coast guard vessels, which operate along coastlines and regional waters. The expansion of Mediterranean coverage for the 60 cm service will include the Caribbean, South East Asia, Middle East & India, East Asia & China, and Australian regions. It include DVB-S2 encoding for bandwidth optimization and Adaptive Coding and Modulation (ACM) for optimized power utilization and consistent performance in all weather conditions.

### **Thales Alenia Space and Zodiac Data Systems Team up on Interferences Prevention Solutions**

September 28, 2010 – Thales Alenia Space and Zodiac Data Systems announced that they plan to team up on solutions for the monitoring of satellite transmissions and protection against interferences. These companies will combine their technical and commercial forces to offer their clients competitively priced turnkey solutions combining all equipment needed for carrier monitoring, traffic analysis and transmitter geolocation. Also Thales Alenia Space proposes a complete product line which comprises the Payload Traffic Manager (PTM), In Orbit Testing (IOT), Communication System Monitoring (eCSM) and Telecom Carrier Analyzer (TCA). Zodiac Data Systems develops hardware solutions for high-resolution digital acquisition and embedded processing.

### **Gilat Deploys Turnkey Satellite Network for Lottery in North Africa**

September 21 – 2010 - Gilat has completed the deployment of a new VSAT network for lottery in a North African country. The lottery operator chose Gilat to provide a turnkey solution for connecting between their central processing system and remote lottery terminals located throughout the country. This turnkey solution involved all aspects of the network equipment deployment along with the initial operation of the network. Gilat's satellite-based solution provides the necessary high-availability for the online operation of the remote lottery terminals. In addition, the network can be established within a short timeframe. This deployment follows Gilat's recent announcements of new network deployments in Africa including the April 2010 announcement of 2500 site multinational broadband satellite network for lottery in West Africa.

### **Integral Systems to Replace Satellite Command and Control Software for Four Boeing 702 Satellites**

September 28, 2010 - Integral Systems, Inc. announced that it has been awarded a sole source contract from a leading Satellite Communications (SATCOM) service provider to expand its existing satellite fleet control system to support four Boeing 702 satellites already in orbit. Under the terms of the contract, the legacy command and control system will be replaced with Integral Systems' EPOCH Integrated Product Suite (IPS) and the four Boeing 702 satellites' operations will be integrated into the customer's existing EPOCH-based fleet control system. EPOCH IPS is today's most widely used satellite command and control system operating Boeing 702 satellites.

As an all-in-one satellite command and control system that can be operated right from a user's desktop, EPOCH IPS presents a more efficient, economical alternative to costly command and monitoring practices.

#### **Glowlink Announces Single-Satellite Interference Geolocation Capability**

September 28, 2010 - Glowlink announced the roll-out of a capability to locate satellite interference emitters using a single satellite. All geolocation products currently on the market depend on using the affected satellite and one or more adjacent satellites in order to find the location of an interference. This inherent limitation renders these products useless when there is no adjacent satellite available for geolocation. Glowlink's single-satellite technology eliminates this dependency, making geolocation possible when only the affected satellite is available. The single-satellite geolocation capability will be made available to Glowlink's proprietary account customers.

#### **CETel Upgrades Trunking Service To Africa And Middle East With Newtec Technology**

September 1, 2010 - CETel enhanced its IP trunking services to Africa and the Middle East with Newtec Elevation modulators, shapers and encapsulators. CETel upgraded its DVB-S2/SCPC links from Ruppichteroth, Germany to seven remote sites in Somalia, Sudan, Cape Verde, Ghana and Iraq, together with other point-to-point and point-to-multipoint networks from Germany to Africa and the Middle Eastern region. CETel also installed Newtec's EL170 IP Satellite Modulator, EL970 IP Satellite Demodulator equipment based on FlexACM® technology enabling advanced and most efficient output for broadband Internet services for a major telecommunication provider in Africa. CETel chose Newtec's DVB-S2 FlexACM technology to reduce bandwidth costs and increase revenue.

#### **SUIRG Tool Identifies and Maps Characteristics of Interference**

September 2, 2010 -- The Satellite Users Interference Reduction Group (SUIRG) launched a tool to identify and mitigate the ever-growing problem of satellite interference. SUIRG's Signature Interference Characteristics tool (SIC) provides assistance to the satellite community when encountering and resolving unknown signals that cause interference with their satellite service. The SIC provides spectrum examples based on the interference catalogue, along with possible causes and suggested corrective measures that can be taken to solve the actual interference incident. By clicking on the selected SIC plot, the user connects to a new window that provides a detailed description of the interference type, along with possible sources and suggested corrective measures.

#### **Addvalue Partners Globe Wireless To Roll Out a New Fleet broadband System For Shipping**

September 2, 2010 – Addvalue Communications announced that Globe Wireless launched Globe iFusion service to the maritime industry. Globe iFusion is the next generation of maritime satellite communications – a solution designed for IP satellite systems that fully integrates shipboard satellite communications, shoreside administrative control, GSM voice and data, and a comprehensive crew communications service. Addvalue partnered with Globe Wireless in the design and development of the Globe i250, the shipboard component of iFusion. Integrated into the Globe i250 is the FleetBroadband technology developed by Addvalue. The Globe i250 allows the user to make voice calls using a GSM handset or normal fixed-line telephone, send/receive email and fax, browse the Internet, and up/down load files. It also allows users to access Globe Wireless commercial applications on the system.

#### **Boeing and Space Adventures to Offer Commercial Spaceflight Opportunities**

September 15, 2010 - The Boeing Company and Space Adventures, Ltd. established a memorandum of agreement regarding the marketing of anticipated transportation services to destinations in low Earth orbit (LEO) on Boeing commercial crew spacecraft. Under this agreement, Space Adventures will market passenger seats on commercial flights aboard the Boeing Crew Space Transportation-100 (CST-100) spacecraft to LEO. Potential customers for excess seating capacity include private individuals, companies, non-governmental organizations, and U.S. federal agencies other than NASA. Boeing plans to use the CST-100 to provide crew transportation to the International Space Station (ISS) and future commercial LEO platforms. Boeing and Space Adventures have not yet set a price per seat for spaceflight participants.

#### **Pactel International Implements its new C-Band Platform in the Asia-Pacific Region**

16 September 2010 - Pactel International established a new satellite link between their US Hub and the Cocos Islands, using Newtec's DVB-S2 technology. The new service addressed the immediate expansion needs for the local Internet service provider, CIIA. The satellite link is designed to carry Internet traffic to/from the Cocos Islands. The new DVB-S2 platform is directly connected to Pactel's redundant backbone (in Hawaii) via the APSTAR-6 satellite and provides Cocos Island's residents with direct access to US Tier 1 Internet backbone, ensuring higher Internet speed and reliability.

#### **Broadcom Announces Immediate Support for the New QZSS Satellites Launched by Japan**

September 22, 2010 - Broadcom Corporation announced that its single-chip global positioning system (GPS) solution for mobile devices supports the new Quasi-Zenith Satellite System (QZSS) launched by Japan earlier this

month. The BCM4751 solution has built-in support for QZSS and also supports additional satellite constellations including the Satellite Based Augmentation System (SBAS), making as many as nine additional satellites available for use in navigation. This built-in support will result in several GPS performance benefits, including improved urban canyon navigation in major cities such as Tokyo and availability of position fixes in more areas than competitive solutions.

## **BROADCASTING NEWS**

### **RSCC Concludes a Partnership Agreement with Castor Broadcasting**

September 2, 2010 - The Russian Satellite Communications Company (RSCC) entered the TV broadcasting market in Western Europe. RSCC and Castor Broadcasting (the Netherlands) company signed a partnership agreement on providing European TV & Radio companies with satellite news gathering services for live programs, sport events, etc. Occasional use services are provided using the Express-AM44 satellite at 11 West orbital position from Spain to Ukraine and European part of Russia. Using the unique online order system created by Castor Broadcasting, SNG slots can be easily booked or reserved by pencil booking. RSCC and Castor Broadcasting have defined slots with an allocated bandwidth from 2 to 36 MHz on the Express-AM44 satellite.

### **Phumelela Signs Multi-Year Deal with MEASAT**

September 13, 2010 – MEASAT Satellite Systems Sdn. Bhd. ("MEASAT") announced an agreement with Phumelela Gold Enterprises ("PGE") to provide C-band capacity for the distribution of its equestrian sports channel via MEASAT-3. PGE, a joint venture between Phumelela and Gold Circle, is the leading equestrian sports and gaming operators in South Africa. PGE owns and manages the domestic and international broadcast and information rights to South African equestrian sports including Tellytrack and Racing International. PGE beams South African equestrian sports live to numerous countries through Racing International, which has satellite capacity over four-fifths of the globe.

### **GlobeCast Partners with Shanghai Media Group**

September 16, 2010 - GlobeCast and Shanghai Media Group reached an agreement to jointly provide a host of production and transmission services to serve the needs of international broadcasters and to establish a video fiber link into and out of China. The goal of the agreement is to combine the best of SMG's domestic Chinese capabilities with GlobeCast's worldwide network and expertise so as to provide one-stop services to Chinese and international broadcasters based in China. SMG and GlobeCast cooperation includes developing business with news and sports channels, entertainment content producers, and Business TV customers. GlobeCast and SMG will also build a digital file transmission services for domestic use within China, utilizing GlobeCast technologies and SMG's network resources.

## **LAUNCH / SPACE NEWS**

### **SES and ILS Announce Extension of Multi Launch Agreement**

September 6, 2010 - International Launch Services(ILS) and SES announced the extension to December 31, 2014 of the SES Multi Launch Agreement (MLA) and the addition of a sixth firm ILS Proton mission through 2014. The MLA was signed in June 2007 between ILS and SES Satellite Leasing Limited, SES's satellite procurement and leasing company in the Isle of Man. The first SES launch under the MLA was the successful ILS Proton launch of SES-1 on April 24, 2010. In addition, two of the four SES missions scheduled in 2011 and 2012 for the launches of the SES-3, SES-4, QuetzSat-1 and SES-5/ASTRA 4B satellites will be part of the MLA. The remaining three MLA missions will be assigned as needed and in principle cover the 2012 – 2014 time frame. In addition, Proton will provide back-up launch capability for SES missions in 2011 as part of the increased flexibility and improved schedule assurances under the Multi Launch Agreement.

### **Launch Result of the First Quasi-Zenith Satellite 'MICHIBIKI' by H-IIA Launch Vehicle No. 18**

September 11, 2010 - Mitsubishi Heavy Industries, Ltd. and the Japan Aerospace Exploration Agency (JAXA) launched the first Quasi-Zenith Satellite "MICHIBIKI" by the H-IIA Launch Vehicle No. 18 (H-IIA F18) at 8:17:00 p.m. on September 11, 2010 (Japan Standard Time, JST) from the Tanegashima Space Center. The launch vehicle flew smoothly, and, at about 28 minutes and 27 seconds after liftoff, the separation of the MICHIBIKI was confirmed. At the time of the launch, the weather was fine, a wind speed was 3.7 m/s from the west-south-west and the temperature was 26°C.

### **China Successfully Launches Sinosat-6 for TV, Radio Live Broadcast**

September 5, 2010 - China successfully launched the "SinoSat-6" satellite for radio and television live broadcast at 12:14 am from the Xichang Satellite Launch Center. The satellite was carried on the Long March 3B rocket. SinoSat-6 has a designed lifespan of 15 years and will eventually work at longitude 126.4 degrees east about

35,700 km above the equator, said the China Aerospace Science and Technology Corporation (CASTC), the satellite's researcher and producer. It will mainly serve for relaying TV and radio live broadcast signals and will greatly improve cultural life for people living in remote and mountainous regions, according to China Satellite Communications Corporation which will operate the satellite. SinoSat-6 will serve as a substitute for SinoSat-3 which was launched on June 1, 2007, according to the China Aerospace Science and Technology Corporation.

## **APPOINTMENTS**

### **Intelsat Appoints Terry Bleakley as Regional Vice President, Asia-Pacific Sales**

September 30, 2010 - Intelsat has announced that Mr. Terry Bleakley has been appointed Regional Vice President, Asia-Pacific Sales, to be effective 15 November. In this position, Bleakley will lead Intelsat's sales and marketing activities and implement the company's strategy for the Asia-Pacific region. Bleakley will manage the team from Singapore. Prior to accepting this position, Bleakley served as Vice President, Commercial Operations for another satellite operator serving the region. Before his most recent assignment, he served more than five years with Intelsat in various sales and sales management positions in the Asia-Pacific region. Bleakley earned a Bachelor of Science degree from Victoria University in Wellington, New Zealand, and a post-graduate diploma in aviation and business studies from Massey University in Palmerston North, New Zealand.

### **Intelsat Broadband Appoints David Ball as Managing Director**

September 30, 2010 - Intelsat announced that Mr. David Ball was appointed Managing Director of Intelsat Broadband Pty. Ltd., a subsidiary that is based in Sydney, Australia. Ball will focus on key strategic initiatives such as the company's commitment to provide broadband connectivity solutions and infrastructure services to Australia, and will oversee specific business development activities in Asia-Pacific that leverage his years of experience in Asia. Ball will also support Intelsat General's activities in obtaining and managing new projects like the recently announced UHF agreement with the Australian Defence Force.

### **MTN Satellite Communications Appoints Joseph Wright as Chairman of the Board of Directors**

September 15, 2010 – MTN Satellite Communications (MTN) announced the appointment of Joseph R. Wright as Chairman of its Board of Directors. Wright served as Chairman of Intelsat from 2006 to 2008 and was president and CEO of PanAmSat from 2001 to 2006. He is currently a senior advisor to Providence Equity Partners and Chart Capital Partners and recently retired as CEO of Scientific Games Corporation. Wright's distinguished record of public service includes senior government positions, as well as numerous economic and scientific boards under Presidents Barack Obama, George W. Bush, George H.W. Bush, Ronald Reagan, and Richard Nixon. He was most recently appointed by Secretary Gates as a member of the Defense Business Board.

## **UPCOMING EVENTS**

**APSCC 2010 Satellite Conference & Exhibition, October 5-7**, Tokyo, Japan, [www.apsc.or.kr/event/apsc2010.asp](http://www.apsc.or.kr/event/apsc2010.asp)

**SATCON Conference & Expo, October 13-14**, New York, USA, [www.satconexpo.com](http://www.satconexpo.com)

**CASBAA Convention 2010, October 25-28**, Hong Kong, <http://events.casbaa.com/convention/>

The CASBAA Convention 2010 is the only annual Asia Pacific meeting that gathers the leading visionaries and influencers from the region's fast-evolving pay-TV, satellite services, advertising, content, telecommunications and technology sectors. Themed "Unlock Your Networks", the must-attend CASBAA Convention connects the dots between Platforms, Channels, Technology and Partnerships.

**Oil & Gas Communications South East Asia 2010, November 23-24**, Kuala Lumpur, Malaysia

Oil & Gas Communications South East Asia 2010: 'Redefining the Digital Oilfield Onshore, Offshore, Deep & Ultra-Deepwater' (O&GCSEA2010), 23-24 November, brings the GVF & EMP Oil & Gas Communications Series to its landmark 10th event and also the third annual conference in the Series for the South East Asia region. For further information visit [www.ukemp.co.uk/3rd.O&G.SEAsia.2010/](http://www.ukemp.co.uk/3rd.O&G.SEAsia.2010/) or contact martin.jarrold@gvf.org or paul.stahl@uk-emp.co.uk.

**Convergence India 2011, March 24-26, 2011**, India, <http://www.convergenceindia.org/index11.html>

Convergence India is recognized as South Asia's largest event in the ICT sector. Future focused, the event constitutes various elements which universally attract stakeholders from across the industry, at all levels of organizations and from all over the world, for a truly global ICT platform. Convergence India is the only showcase in South Asia to propagate the convergence of delivery systems as the preferred platform for vendors, operators, service providers and IT companies.

## Editorials and Inquiries

News, comments, and suggestions can be sent to the editor at:

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## About APSCC

APSCC is a non-profit, international organization representing all sectors of satellite and space-related industries. The aim of the organization is to exchange views and ideas on satellite technologies, systems, policies and outer space activities in general along with satellite communications including broadcasting for the betterment of the Asia-Pacific region.

Conferences, forums, workshops, and exhibitions are organized through regional coordination with its members in order to promote new services and businesses via satellite as well as outer space activities. APSCC membership is open to any government body, public or private organization, association, or corporation that is involved in satellite services, risk management or associate fields such as data-casting, informatics, multi-media, telecommunications and other outer-space related activities with interests in the Asia-Pacific region. More information is available at [www.apsc.or.kr](http://www.apsc.or.kr).