



- A monthly round-up of space industry developments for the information of our clients and friends -

Canada Approves Telesat Acquisition

Loral Space & Communications announced on September 19 that **Industry Canada** has approved the acquisition of **Telesat Canada** by Loral and its Canadian partner, the **Public Sector Pension Investment Board** (PSP Investments). The final regulatory approval required for the transaction, from the **Federal Communications Commission**, is expected shortly. Completion of the acquisition financing for the transaction, along with the **Loral Skynet** business contribution, is being coordinated for a late October closing. In December of 2006, a joint venture company formed by Loral and PSP Investments entered into an agreement with **BCE Inc.** to buy 100% of the stock of Telesat Canada for CAD \$3.25 billion.

Apax Completes Acquisition of Telenor

Apax Partners France announced on September 14 that it has successfully completed its acquisition of **Telenor Satellite Services** (TSS) for US \$400 million and will incorporate the company into **Vizada**, the rebranded **France Telecom Mobile Satellite Communications**, previously acquired by Apax in August 2006. The merging of TSS into Vizada gives that company a 38.1% share of the **Inmarsat** LESO service distribution market and should allow it to secure better volume discounts based on annual sales thresholds similar to those achieved by **Stratos/Xantic**.

JSAT Developments

Following the launch failure of its **JCSAT-11** in-orbit spare satellite, **JSAT Corporation** announced on September 6 that it has placed an order with **Lockheed Martin Commercial Space Systems** for delivery of the **JCSAT-12** replacement satellite in mid-2009. The spacecraft will be based on the Lockheed **A2100AX** platform and equipped with a hybrid C- and Ku-band payload to provide broadcast and broadband services to Japan, the Asia-Pacific region, Oceania and Hawaii. **JCSAT-12** will be launched on an **Ariane 5 ECA** vehicle in mid-2009 pursuant to a Service and Solutions contract entered into by **Arianespace** and JSAT on September 19. In an unrelated development, JSAT and **Broadcasting Satellite System Corporation** (B-SAT) announced on September 18 a basic agreement to jointly launch a hybrid Broadcast Satellite/Communications Satellite (BS/CS) to be deployed at the 110°EL orbital position in 2011. This agreement follows a July 2007 change in Japanese regulations lifting the ban on the deployment of hybrid satellites. The BS/CS satellite is intended to serve as a backup spacecraft for **JCSAT-110** and will be operated by B-SAT following its launch.

WorldView-1 Launched Successfully

On September 18, **Boeing Launch Services** successfully launched the **WorldView-1** satellite for **DigitalGlobe** on a **Delta II** vehicle from **Vandenberg Air Force Base** in California. Built by **Ball Aerospace and Technologies Corporation** with the imaging sensor provided by **ITT Corporation**, **WorldView-1** is a high-capacity remote sensing satellite featuring a half-meter resolution panchromatic sensor. The spacecraft, which has a 7.25 year design life, will operate at an altitude of 496 km with an average revisit time of 1.7 days and is capable of collecting up to 750,000 square km per day of half-meter imagery. **WorldView-1** was partially financed through the **National Geospatial-Intelligence Agency** as part of the **NextView** program.

September Launch Services Orders

On September 4, **Globalstar, Inc.** announced that **Arianespace** will launch its next-generation constellation of 24 low-Earth orbit communications satellites on Russian **Soyuz** launch vehicles operating from **Europe's Spaceport** in **French Guiana**. The Services and Solutions contract includes four firm and four optional launch services, with the first to place six 700-kg **Globalstar** satellites into a 920 km orbit at an inclination of 52° relative to the equator. Three of the four firm launches are scheduled to take place in 2009 and the fourth in 2010. The next-generation **Globalstar** satellites are being built by **Thales Alenia Space**. On September 10, **Avanti Communications Group plc** announced the execution of a launch services contract with **Space Exploration Technologies Corporation** for the deployment of its **HYLAS** satellite on a **Falcon 9** vehicle in mid-2009, with options for up to three additional satellite launches. The spacecraft, financed in part under a development contract with the **European Space Agency**, is being built by **EADS Astrium Limited** (payload) and integrated onto an **Indian Space Research Organization** (ISRO) **1-2K** platform. **HYLAS** will be equipped with a flexible Ku- and Ka-band payload (adaptable between frequency bands and services) capable of high power transmissions of 62 dBW in the Ka-band and 54 dBW in the Ku-band and will operate from the 33.5°WL orbital position to provide broadband Internet access and high definition television services to European customers. On September 28, **Arianespace** announced a joint venture with **ISRO** to market and invest in the agency's two launch vehicles, the **Geosynchronous Satellite Launch Vehicle** (GSLV) and the **Polar Satellite Launch Vehicle** (PSLV). The two partners will start bidding jointly for small to medium size launches on the GSLV and PSLV beginning next year.

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