

Space Business Review

Special Edition – Top Ten Space Business Stories of 2014.

December 2014

CONTACTS:

Dara A. Panahy
202-835-7521
dpanahy@milbank.com

Bijan Ganji
202-835-7543
bganji@milbank.com

To learn about Milbank's Space Business Practice, or view previous issues of the Space Business Review, please visit www.milbank.com.

The information contained herein is provided for informational purposes only and should not be construed as legal advice on any subject matter. Recipients of this publication should not take or refrain from taking any action based upon content included herein. If you do not wish to receive this newsletter, please send an e-mail to MilbankSBG@milbank.com with the word "unsubscribe" in the subject line.

ATTORNEY ADVERTISING.
Prior results do not guarantee similar results.

© 2014 - Milbank, Tweed, Hadley & McCloy LLP.

#1 – SPACE ACCESS DEVELOPMENTS

Orbital launches first paid Cygnus vehicle to ISS, experiences subsequent Antares failure; Japanese Aerospace Exploration Agency selects **Mitsubishi Heavy Industries (MHI)** to develop new H-III launch vehicle; MHI to upgrade H-IIA and H-IIB; **SpaceX** records twelfth consecutive successful launch, Texas invests \$15m in a new private launch site for SpaceX near Brownsville; **Proton** fails, marking sixth failure since 2010 but resumes commercial services with Astra 2G; **Khrunichev** announces successful inaugural flight of **Angara 1.2**; ESA member states agree to finance **Ariane 6**; **ULA** invests in new **Blue Origin** engine for **Atlas 5**; NASA awards Commercial Crew contracts valued at \$6.8b to **Boeing** and **SpaceX**; **SpaceShipTwo** crashes during a test flight but **Virgin Galactic** vows to stay the course.

#2 – SPACE M&A MARCHES ON

Eutelsat completes \$831m acquisition of **Satmex**; **EchoStar** acquires **Solaris** from SES and **Eutelsat**; **Orbital** and **ATK** announce \$5b merger of Orbital with ATK's aerospace and defense divisions; **ORBCOMM** acquires **Euroscan Holdings** and **SkyWave Mobile Communications**; **AT&T** acquires **DIRECTV** in a \$67.1b transaction; **Lockheed Martin** acquires **Astrotech Space Operations**; **Google** acquires **Skybox Imaging** for \$500m; a **Carlyle Group** fund agrees to buy General Electric's stake in **AsiaSat** for \$483m.

#3 – CONSTELLATIONS

Skybox Imaging selects **Space Systems/Loral (SSL)** to manufacture 13 earth observation satellites; **SpaceX** launches 6 new generation M2M satellites for **ORBCOMM**; **Arianespace** launches second and third batches of 4 **O3b Networks** satellites; **WorldVu** reportedly planning for several hundred Ku-band satellites.

#4 – EXPORT CREDIT REMAINS STRONG

Satellite industry becomes fastest growing of U.S. **Ex-Im Bank's** credit sectors, with growth from \$50m to \$1b in loans per year since 2010; **Export Credit Agency of Russia** announces plans to actively support **ILS**; and **Export Development Canada** provides €123m in financing to **Hispasat** for procurement of **Hispasat 1F**.

#5 – DISPUTES SETTLE DOWN

Eutelsat and **SES** settle their dispute over the 28.5°E orbital location; **Loral** and **ViaSat** settle the patent infringement and breach of contract claims under lawsuits brought by **ViaSat**.

#6 – IMAGING RESOLUTIONS

U.S. government authorizes sale of higher resolution satellite imagery per **DigitalGlobe's** (DG) request; DG's **WorldView-3** is launched offering 31 cm panchromatic resolution; **HySpec IQ** places first commercial order of **Boeing 502 Phoenix**; **Azercosmos** and **Airbus Defense and Space** (Airbus) form long-term partnership for commercial remote sensing, beginning with sale of **Spot 7** to **Azercosmos**; **Kazakhstan's KazEOSat-1** satellite is launched.

#7 – STRATEGIC ALLIANCES

ARABSAT and **Inmarsat** join forces to procure **ARABSAT** satellite with **Inmarsat S-band** payload; **Airbus** and **Safran** create joint venture to manage development of **Ariane 6**; **Hughes Network Systems do Brasil** contracts with **Eutelsat do Brasil** for broadband services in Brazil; **Eutelsat** and **Spacecom** announce cross-commercialization of capacity in Africa.

#8 – NATIONAL PRIDE IN SPACE

Bangladesh continues with development of a national communications satellite; **Myanmar** announces plans for its first satellite; **Argentina's** first home-grown communications satellite, **ARSAT-1**, is launched; **Afghanistan Ministry of Communications and Information Technology** contracts with **Eutelsat** for **AFGHANSAT 1**.

#9 – LAUNCH SERVICES

Arianespace: **ABS-2**, **Amazonas 4A**, **ARSAT-1**, **ASTRA 5B**, **DIRECTV-14**, **GSAT-16**, **Intelsat 30**, **MEASAT-3b**, **Optus 10**, **8 O3b** satellites; **ILS**: **Astra 2G**, **TURKSAT-4A**; **Indian Space Research Organisation**: **GSAT-14**, **SPOT 7**; **ISC Kosmotras**: 33 various smallsats; **Lockheed Martin**: **WorldView-3**; **Russian Federal**: **Express-AT1**, **Express-AT2**, **Express-AM6**; **SpaceX**: **AsiaSat 8**, **AsiaSat 6/THAICOM 7**, **THAICOM 6**, 6 satellites for **ORBCOMM**; **Sea Launch**: **EUTELSAT 3B**.

#10 – COMMERCIAL SATELLITE ORDERS

Airbus: **EUTELSAT 172B**, **SES-10**, **SES-12**; **Ball Aerospace**: system for **Laser Light Comm.**; **Boeing**: **Intelsat 35e Epic^{NG}**, two **HySpec IQ** satellites; **China Great Wall**: **APSTAR-10**; **Dauria Aerospace**: two satellites for **Aniara SpaceCom**; **MELCO**: **Es'hail 2**; **Orbital**: **HYLAS 4**, **THAICOM 8**; **SSL**: **Amazonas 5**, **BRIsat**, **Bulgaria Sat-1**, **EchoStar XXIII**, **Hispasat 1F**, **Intelsat 36**, **JCSAT-15**, **JCSAT-16**, **PSN VI**, 13 **Skybox** satellites; **Thales Alenia Space**: **Inmarsat-S EuropaSat/Hellas-Sat 3**, **Koreasat-7**, **Telkom-3S**, **Yamal-601**.