

Press release

Successful launch for SES-15, SES's First GEO Satellite on Soyuz

Arianespace successfully launches first SES hybrid satellite with wide beams and high throughput capability to serve airlines and WAAS payload to augment GPS

GUIANA SPACE CENTER, KOUROU, 18 May 2017 -- SES (Euronext Paris and Luxembourg Stock Exchange: SESG) announced today that the SES-15 satellite was successfully launched onboard a Soyuz rocket from the Guiana Space Center in Kourou, French Guiana at 08:54 local time. This is SES's first satellite to launch on a Soyuz rocket for a geostationary transfer orbit mission.

SES-15 carries a hybrid payload, comprising Ku-band wide beams and Ku-band High Throughput Satellite (HTS) capability, with connectivity to gateways in Ka-band. SES's first hybrid satellite will be located at the orbital position of 129 degrees West and is equipped with 16 Ku-band transponders (36 MHz equivalent) as well as HTS capabilities to serve North America, Mexico, Central America and the Caribbean.

SES-15's high throughput payload will deliver optimised and flexible coverage for major global inflight connectivity and entertainment (IFC/IFE) service providers, such as Global Eagle Entertainment, Gogo and Panasonic Avionics. In addition, SES-15 has a dedicated wide beam that is designed to enable IFC/IFE providers to deliver live TV content on all flight routes across the US, including Hawaii and Alaska, as well as Canada, the Caribbean and Mexico. This unique combination of beams allows IFC/IFE providers to optimise HTS capacity use for internet traffic and wide beam coverage for broadcast content.

The satellite will also enable VSAT networks and other traffic intensive data applications in the government and maritime sectors.

SES-15 will also carry a Wide Area Augmentation System (WAAS) hosted payload, which will enable the US Federal Aviation Administration (FAA) to augment the Global Positioning Systems (GPS) with the goal of improving accuracy, integrity and availability of the system for the aviation industry.

The satellite is equipped with an electric propulsion system for orbit-raising and in-orbit maneuvers.

"The successful launch of SES-15 is the first of our three planned hybrid satellites, which have both wide beams and high throughput capability. SES-15, along with the soon-to-be launched



beyond frontiers

SES-14 hybrid satellite, and our existing in-orbit satellites, offer the most resilient aeronautical connectivity platform in North America,” said Martin Halliwell, Chief Technology Officer at SES. “SES-15 will allow us to strengthen our ability to provide next generation services in data-intensive markets such as maritime and corporate broadband.”

“SES is a long-standing partner, and we are delighted to be part of its important journey in serving the ever-growing aeronautical and data markets by successfully launching SES-15 on a Soyuz rocket,” said Stephane Israël, Chief Executive Officer at Arianespace.

More information about SES-15 is available here: www.ses.com/newsroom/launch-ses-15

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SES is the world-leading satellite operator and the first to deliver a differentiated and scalable GEO-MEO offering worldwide, with more than 50 satellites in Geostationary Earth Orbit (GEO) and 12 in Medium Earth Orbit (MEO). SES focuses on value-added, end-to-end solutions in two key business units; SES Video and SES Networks. The company provides satellite communications services to broadcasters, content and internet service providers, mobile and fixed network operators, governments and institutions. SES’s portfolio includes the ASTRA satellite system, which has the largest Direct-to-Home (DTH) television reach in Europe, O3b Networks, a global managed data communications service provider, and MX1, a leading media service provider that offers a full suite of innovative digital video and media services. Further information available at: www.ses.com