

## Press release

### **SES-15 Enters Commercial Service to Serve the Americas**

SES's first GEO satellite with wide beams and high throughput capability will provide connectivity to airlines and help improve GPS

Luxembourg, 15 January 2018 – SES announced today that the new SES-15 spacecraft has been operational at the 129 degrees West orbital position since 1 January. As planned, the all-electric satellite took six months to reach its orbital position and to successfully complete its testing.

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 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, 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.

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

SES-15 was successfully launched onboard a Soyuz rocket from the Guiana Space Centre in Kourou, French Guiana on 18 May 2017.

Martin Halliwell, Chief Technology Officer at SES, said, "An operational SES-15 has been much anticipated by our customers. The hybrid satellite, which has both wide beams and high throughput capability, empowers our aeronautical customers to offer even faster connectivity speeds to airlines. In addition, the WAAS hosted payload will enable the US FAA to improve GPS. The Boeing, Arianespace and SES teams have done an excellent job in making this possible."

The beginning of contracted services on SES-15's HTS payload represents an important milestone in supporting SES's future growth trajectory and its strategy to develop innovative and high-power capabilities for specific and dynamic markets. SES-15 will be followed by the launches of two more hybrid geostationary (GEO) satellites with widebeam / HTS capabilities, SES-14 and SES-12, as well as another four O3b medium earth orbit (MEO) satellites in the



beyond frontiers

near future. SES-14 will serve the Americas and the Atlantic region, and SES-12 will cover Asia-Pacific, and the Middle East. Together with SES-17, another HTS which will be launched in 2021, they will offer a global, multi-frequency system for aeronautical, maritime, government and enterprise customers.

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**About SES**

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 ASTRA, O3b and MX1, a leading media service provider that offers a full suite of innovative digital video and media services. SES is listed on the Euronext Paris and Luxembourg Stock Exchange (ticker: SESG). Further information available at: [www.ses.com](http://www.ses.com)