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Press release

SES-14 INTEGRATES NASA ULTRAVIOLET SPACE SPECTROGRAPH

Hosted payload for NASA successfully integrated with spacecraft built for SES

LUXEMBOURG, 23 May 2017 -- SES (Euronext Paris and Luxembourg Stock Exchange: SESG) today announced the successful integration of NASA's Global-Scale Observations of the Limb and Disk (GOLD) hosted payload with SES-14.

GOLD will employ an ultraviolet imaging spectrograph to measure densities and temperatures in the Earth's thermosphere and ionosphere in response to Sun-Earth interaction. It is aimed at revolutionizing scientists' understanding of this part of the space environment and its impacts on low Earth orbit satellite drag (a force acting opposite to the direction of motion, slowing the satellite), and ionospheric disruptions of communication and navigation transmissions. GOLD will take unprecedented images of the temperature and composition changes over a hemisphere.

GOLD is a result of collaboration among several world-leading entities. NASA's Goddard Space Flight Center in Greenbelt, Maryland, is providing overall NASA program management, while the University of Central Florida's Florida Space Institute is the Principal Investigator for the project. The GOLD instrument was built and will be operated by the University of Colorado Boulder Laboratory for Atmospheric and Space Physics. Satellite operator SES and its fully-owned subsidiary SES Government Solutions are providing the host satellite, mission operations, and science data transport. The project was developed in close partnership with Airbus Defence and Space, the company which is building the SES-14 spacecraft for SES.

SES Government Solutions is exclusively focused on meeting the satellite communications needs of the U.S. Government and its agencies. Leveraging more than four decades of experience in the government SATCOM market, SES Government Solutions offers robust and secure end-to-end satellite communications solutions.

"Using a host satellite makes access to space quicker and more cost efficient, while meeting the increasingly more sophisticated needs governments have nowadays. SES has extensive experience in hosted payload projects and is well-suited to meet these needs," said Pete Hoene, President and CEO of SES Government Solutions. "We are very excited about hosting GOLD, and looking forward to it starting its important mission in space."

Testing and preparation of SES-14 and GOLD are on-going in Toulouse, France, in anticipation of a late 2017 launch on a SpaceX Falcon 9 from Kennedy Space Center in Cape Canaveral, Florida.

The SES-14 satellite will provide coverage of the Americas, Atlantic Ocean, Western Europe, and Northwest Africa with High Throughput Satellite (HTS) services and Ku-band & C-band wide beam services. The wide beams will serve growing video neighborhoods in the Americas



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and also support existing VSAT services. The HTS Ku-band multi-spot beams will serve traffic-intensive data applications such as mobile backhaul, maritime and aeronautical services.

For further information please contact:

Markus Payer

Corporate Communications

Tel. +352 710 725 500

Markus.Payer@ses.com

Natalia Kossobokova

Marketing & Communications Director

SES Government Solutions

Tel. +1 703 646 7231

Natalia.Kossobokova@ses-gs.com

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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