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SPACE SYSTEMS

Airbus has shipped SES-12 highly innovative satellite to launch base
Built for leading operator SES, it is the largest and most powerful all-electric satellite ever



Toulouse, 12 April 2018 – The SES-12 all-electric communications satellite, built by Airbus for SES, has been shipped from the Airbus Defence and Space facilities in Toulouse, France, to Cape Canaveral, Florida.

SES-12 is the largest and most powerful all electric satellite ever produced. It is based on the highly reliable Eurostar platform in its E3000e variant, which uses electric propulsion for orbit

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raising (EOR). The related mass saving enables SES-12 to combine two high-capacity missions, equivalent to two conventional satellites, in one satellite.

To fulfill its dual mission, SES-12 features both wide beams and high throughput spot beams to serve diverse connectivity needs.

The communications payload incorporates state-of-the-art solutions, in particular multi-beam antennas linked to a digital signal processor, which enable a multitude of basic spectral channels to be allocated to various beams in a completely flexible manner.

The satellite will provide expansion and replacement capacity to serve the data, mobility, government and video sectors in the Asia-Pacific region.

SES-12 will operate in the Ku and Ka-bands with a total of 76 active transponders and eight antennas. It will have a launch mass of 5,400 kg and an electrical power of 19 kW. It will operate in geostationary orbit at the 95° East location and has been designed to remain in service for more than 15 years.

About Airbus

Airbus is a global leader in aeronautics, space and related services. In 2017 it generated revenues of € 67 billion – or € 59 billion restated for IFRS 15 - and employed a workforce of around 129,000. Airbus offers the most comprehensive range of passenger airliners from 100 to more than 600 seats. Airbus is also a European leader providing tanker, combat, transport and mission aircraft, as well as one of the world's leading space companies. In helicopters, Airbus provides the most efficient civil and military rotorcraft solutions worldwide.

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