



Photo credit : EUTELSAT 172B artist view (Airbus Defence and Space)

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## EUTELSAT 172B satellite: on the road to Kourou

**First European-built high-power all-electric satellite on track for launch on 25 April**

**Enhanced capacity and innovation for Asia-Pacific markets**

**Paris, Toulouse, 15 March 2017** – The EUTELSAT 172B satellite of Eutelsat Communications (NYSE Euronext Paris: ETL) is in the final stages of preparation at the Airbus Defence and Space facility in Toulouse and will be boarded onto a special flight to French Guiana on 20 March. The 3.5 tonne satellite is scheduled for an Ariane launch on 25 April from the European

Spaceport in Kourou.

*Photo credit : Airbus Defence and Space*

EUTELSAT 172B will deliver increased capacity for fast-growing applications that include in-flight and maritime connectivity, cellular backhaul, corporate networks, video distribution and government services. It will be located at 172° East, a key neighbourhood providing exceptional Asia-Pacific reach over land and sea, from Alaska to Australia. Eutelsat's new satellite will replace the EUTELSAT 172A satellite to provide service continuity and improved performance via C and Ku-band payloads connected to a range of footprints.

### **Setting a new benchmark for in-flight connectivity over the Pacific**

EUTELSAT 172B will also feature a new Ku-band multi-beam payload delivering 1.8 Gbps of throughput to serve the world's fastest-growing region for air traffic. The Asia Pacific represents the largest opportunity for in-flight entertainment and connectivity services, with over 8,000 aircraft to be delivered to the region by 2034.

The customised High Throughput payload on EUTELSAT 172B will be a major growth platform for in-flight connectivity, notably Panasonic Avionics Corporation, one of the leading suppliers of in-flight entertainment and connectivity services for commercial airlines. Eleven elliptical spotbeams will enable Panasonic to bridge the West coast of North America to Asia, and down to Australia, supporting rapid air traffic growth in the region and surges in bandwidth use across densely used flight paths.

### **Innovations abound**

EUTELSAT 172B satellite will be the first satellite to fly new features and

capabilities devised by Europe's industry.

- The key enabling technology for the inflight connectivity mission is the Multi-Port Amplifier (MPA) that will dynamically distribute power between the 11 spotbeams in direct response to surges in capacity on-board aircraft.
- EUTELSAT 172B will also use innovative deployable robotic arms to orientate and control thrust direction during the approximately four-month ride to geostationary orbit and for station-keeping during its minimum 15 year life.
- The satellite will also fly structural components made with 3D-printing (Additive Manufacturing) techniques that reduce the cost and time required to build spacecraft parts.

EUTELSAT 172B is expected to enter service in third quarter 2017, replacing EUTELSAT 172A that will be relocated to another orbital position.

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## **About Eutelsat Communications**

Established in 1977, Eutelsat Communications (Euronext Paris: ETL, ISIN code: FR0010221234) is one of the world's leading and most experienced operators of communications satellites. The company provides capacity on 39 satellites to clients that include broadcasters and broadcasting associations, pay-TV operators, video, data and Internet service providers, enterprises and government agencies.

Eutelsat's satellites provide ubiquitous coverage of Europe, the Middle East, Africa, Asia-Pacific and the Americas, enabling video, data, broadband and government communications to be established irrespective of a user's location.

Headquartered in Paris, with offices and teleports around the globe, Eutelsat represents a workforce of 1,000 men and women from 37 countries who are experts in their fields and work with clients to deliver the highest quality of service.

For more about Eutelsat please visit [www.eutelsat.com](http://www.eutelsat.com)

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