



COMMERCIAL AND GOVERNMENT SATELLITES JCSAT-18/KACIFIC1



DESCRIPTION & PURPOSE

In February 2017, SKY Perfect JSAT Corporation and Kacific Broadband Satellites Group ordered a 702MP satellite to expand communication for mobile telephone, data and internet users throughout the Asia-Pacific region. The satellite is owned jointly by the two companies and will have two distinct payloads. The JCSAT-18/Kacific1 satellite provides the flexibility to accommodate various business requirements to meet the needs of both customers throughout the Asia-Pacific region. The satellite was launched aboard a Falcon-9 launch vehicle on December 16, 2019.

CUSTOMER

Founded in 1985 with headquarters in Tokyo, SKY Perfect JSAT Group has become one of the largest providers of multichannel pay TV broadcast services in Japan, operating the largest satellite communications business in Asia. For more information on SKY Perfect JSAT: www.skyperfectjsat.space

Founded in 2013 with headquarters in Singapore, Kacific Broadband Satellites Group provides affordable, high-speed broadband services to telecommunications operators, internet service providers and governments in South East Asia and the Pacific. For more information on Kacific: www.kacific.com

JCSAT-18 is the 13th satellite Boeing has built for the JSAT Corporation and Space Communications Corporation, both now part of SKY Perfect JSAT Corporation. Following the launch of JCSAT-18, SKY Perfect JSAT will have two high-throughput satellites, JCSAT-18 and Horizons 3e, both built by Boeing. Kacific1 is the first satellite Boeing has built for Kacific Broadband Satellites Group and is the company's first Ka-band high throughput satellite.



GENERAL CHARACTERISTICS

The JCSAT-18 payload will provide Ku-band coverage and improve mobile and broadband services for SKY Perfect JSAT Corporation customers in the Asia-Pacific region, including the far eastern part of Russia. The Kacific1 payload for Kacific Broadband Satellites Group will provide high-speed Ka-band satellite broadband internet to more than 25 countries in Southeast Asia and the Pacific. It's orbital location is 150E, with a service life of more than 15 years.

JCSAT-18/Kacific1 is one of the first satellite programs to use payload planars, which help make the payload more compact. The spacecraft also incorporates technologies in the power subsystem to achieve the highest efficiencies while incorporating command and data handling technologies to provide more security.

702 BACKGROUND

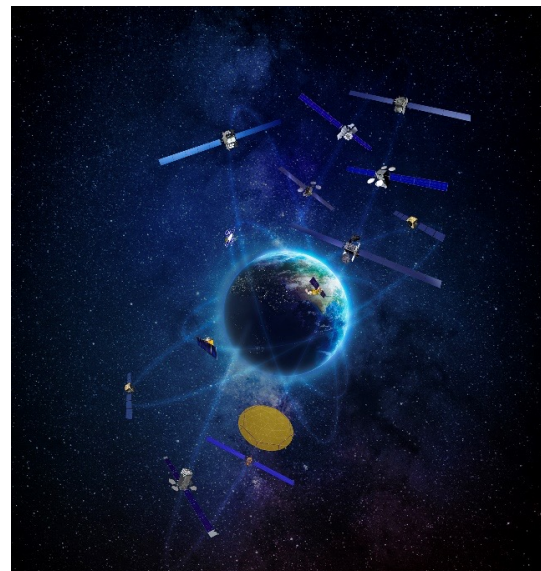
The scalable, flexible 702 product line is an orbit-proven platform that cost-efficiently serves a wide range of commercial and government customers. Boeing introduced the 702 spacecraft family in 1995, and today more than two dozen are on orbit, with almost a dozen more currently in production. The 702 family product line offers flexible designs supporting payload power levels from 3 to 25 kilowatts, meeting the needs of customers seeking satellites in wide power ranges.

FLEXIBLE SATELLITES FOR GOVERNMENT AND COMMERCIAL OPERATORS

Boeing builds adaptable satellites to meet changing business cases and fulfill even the most demanding missions. We're well into our sixth decade of providing advanced space and communications systems for military, commercial and scientific uses.

Boeing satellites reliably deliver digital communications, mobile communications, broadband internet connectivity, streaming entertainment, and direct-to-home entertainment around the world.

We continue to invest in and create a continuum of products across all orbits to give customers tiered options based on size, weight and power, to deliver the capability they need to their end-users.



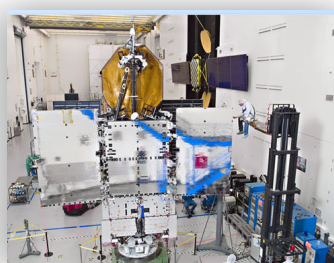
Artist rendering of Boeing satellites operating across all orbits

MISSION ASSURANCE

Boeing's satellite systems business is located in El Segundo, Calif. The world's first geosynchronous communications satellite, Syncom, was built there by Boeing and launched in 1963. Since then, Boeing has delivered more than 300 satellites to more than 50 customers in more than 20 countries, and continues to design and build government and commercial satellites in its factory in El Segundo.



Exterior of Boeing Satellite Factory



High Bay



Thermal Vacuum



Payload Integration & Test

STRONGER TOGETHER

In addition to Boeing's space capabilities, Spectrolab and Millennium are also a part of the Boeing team. Click on the company logos to learn more!



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