

Satellite constellation set to level up service

- The 13-satellite constellation boosts global connectivity for mobile users, governments and others.

CAPE CANAVERAL, Fla., Sept. 13, 2026 — The final three Boeing [NYSE: BA] O3b mPOWER satellites, F11, F12 and F13, have joined 10 already in orbit following a successful launch from Cape Canaveral Space Force Station.

The launch completes the 13-satellite O3b mPOWER constellation, which is designed to boost global connectivity for mobile users, governments and other customers around the world.

The milestone enables partner company SES to significantly expand high-speed connectivity and enhance digital services to meet growing demand for bandwidth. Active customers using O3b mPOWER's network capabilities include cruise lines, government organizations, civil entities, mobile operators and commercial airlines.

"This launch marks a defining milestone for SES as we complete the O3b mPOWER constellation and further strengthen our MEO capabilities," said Adel Al-Saleh, CEO of SES. "More importantly, it reinforces our ability to deliver resilient, secure and scalable connectivity for customers around the world, helping governments, enterprises, cloud providers and mobility customers meet their most critical needs. As customer demands continue to evolve, SES is focused on building smarter, more integrated solutions that bring together the strengths of multiple technologies and orbits to deliver seamless connectivity worldwide."

Boeing's software-defined payload technology enables the satellites to dynamically route bandwidth, focus beam power and adjust capacity in real time to match evolving connectivity needs.

The system is designed to support areas where broadband is limited, including helping students in remote communities connect online for schoolwork and supporting physicians in small villages with improved telehealth services.

"Technology is at its best when it has a direct line-of-sight to human impact," said Ryan Reid, president of Boeing Satellite Systems International. "Whether we are helping a student in a remote community access digital learning, supporting local healthcare with telehealth, or keeping our military teams safely connected, this constellation proves what our workforce can accomplish when they focus on customer priority and execution excellence."

O3b mPOWER also serves as a technical baseline for defense systems Boeing's satellite teams continue to develop for national security customers. Boeing is using a hardened version of this space-proven software-defined payload architecture for the U.S. Space Force's Wideband Global SATCOM (WGS) and Evolved Strategic SATCOM (ESS) systems.

By combining O3b mPOWER's high-performance payload with its standardized, scalable 702X platform, Boeing created a dual-use satellite architecture that can be built and integrated quickly and consistently for different orbits.

"With O3b mPOWER's initial fleet successfully in space, our standardized 702X technology has officially established its on-orbit performance baseline," Reid said. "This milestone gives our customers the schedule credibility and reliability of an active production line, minimizing risk while rapidly scaling crucial capabilities for the joint force."

O3b mPOWER F11, F12 and F13 are forecast to enter service in mid 2027 after completing orbit raising and initialization activities.

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