

# Boeing delays key uncrewed test flight to ISS

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This NASA photo shows an United Launch Alliance Atlas V rocket with Boeing's CST-100 Starliner spacecraft on top.

Boeing delayed an uncrewed flight of its Starliner capsule to the International Space Station (ISS) on Tuesday over a propulsion issue, pushing back by at least a day a key test it last attempted in 2019.

The spaceship had been due to launch on an United Launch Alliance (ULA) Atlas V rocket from the Cape Canaveral Space Force Station in Florida early in the afternoon.

But just over two hours before lift-off, the company tweeted it was

scrubbing the flight.

A statement by NASA said the test was canceled not because of inclement weather but "due to unexpected valve position indications in the Starliner propulsion system."

The next available launch opportunity is at 12:57 pm Eastern time (1657 GMT) on Wednesday, pending resolution of the problem.

"We're disappointed with today's outcome and the need to reschedule our Starliner launch," said John Vollmer, vice president and program manager of Boeing's commercial crew program.

"Boeing and NASA teams will take the time they need to ensure the safety and integrity of the spacecraft and the achievement of our mission objectives."

The test flight was supposed to take place Friday but had to be rescheduled after a new Russian science module inadvertently fired its thrusters following docking with the ISS, pushing the orbital outpost off kilter.

After NASA ended the Space Shuttle program in 2011, it gave both Boeing and SpaceX multi-billion dollar contracts to provide its astronauts with taxi services to the space station and end US reliance on Russian rockets for the journey.

SpaceX's program has moved forward faster, having now undertaken three crewed missions.

Boeing's program is lagging behind, and needs to complete a successful uncrewed mission before it can carry astronauts.

During an initial uncrewed test flight in December 2019, the Starliner capsule experienced software glitches that caused problems with the way it fired its thrusters.

As a result, Starliner did not have enough fuel to reach the ISS and had to return to Earth prematurely, and a subsequent investigation showed it almost experienced a dire flight anomaly while reentering the atmosphere.

NASA later called the mission a "high visibility close call," a rare designation reserved for near-catastrophes.

Steve Stich, manager of NASA's commercial crew program, told reporters last week he had confidence this time around.

"We want it to go well, we expect it to go well, and we've done all the preparations we can possibly do," he said.

"Starliner is a great vehicle, but we know how hard it is, and it's a test flight as well and I fully expect we'll learn something on this test flight."

When it flies, the spacecraft will carry more than 400 pounds (180 kilograms) of cargo and crew supplies to the ISS and will return more than 550 pounds of cargo, including air tanks, when it lands in the western US desert at the end of its mission.

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