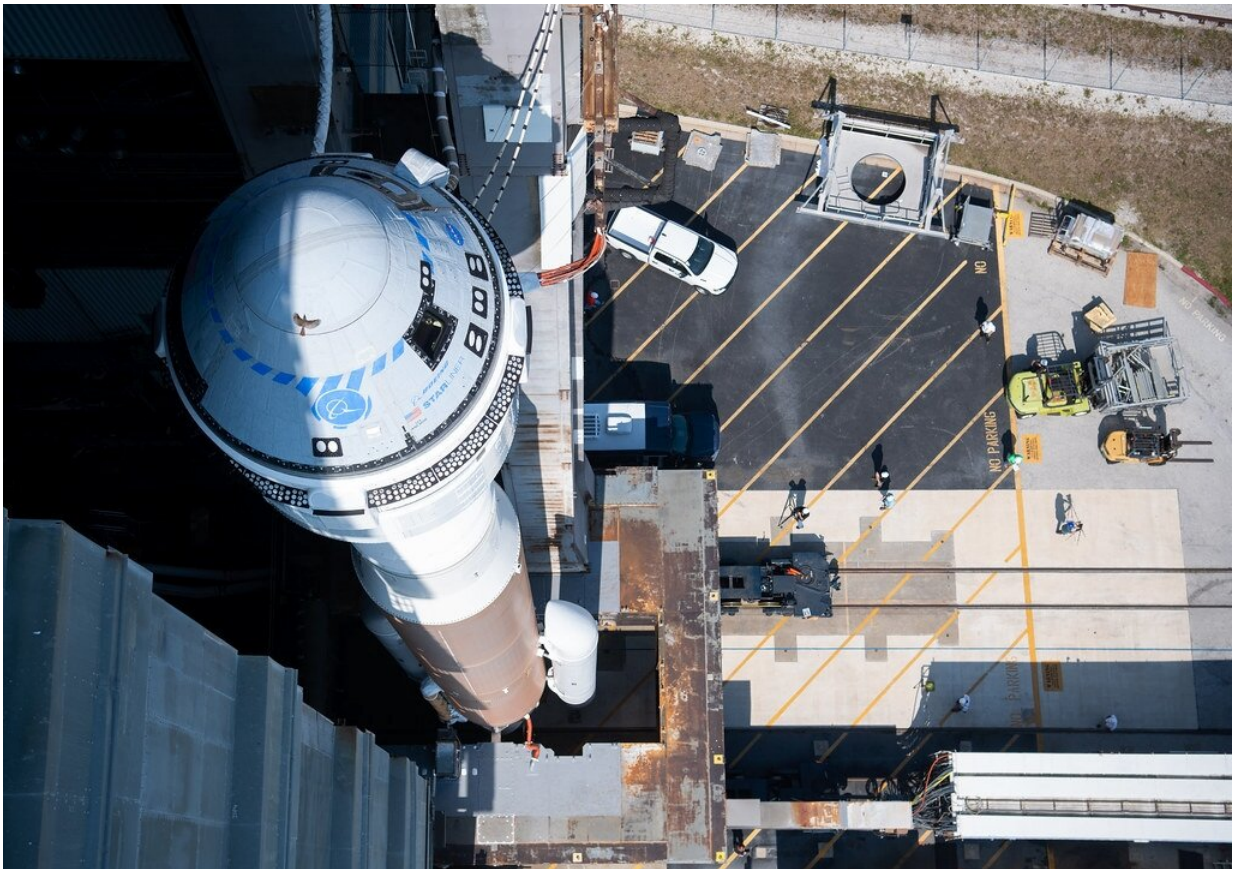


Third launch attempt for Boeing's beleaguered Starliner spacecraft

May 19 2022, by Issam Ahmed



Lift-off for Orbital Test Flight 2 (OFT-2) is scheduled for 6:54 pm Eastern Time (2254 GMT) from the Kennedy Space Center in Florida. with the spaceship fixed atop a United Launch Alliance Atlas V rocket.

American aerospace giant Boeing is making a third attempt to reach the

International Space Station Thursday in a critical uncrewed test flight for its Starliner capsule, which has been beset by numerous failures and false starts.

Lift-off for Orbital Test Flight 2 (OFT-2) is scheduled for 6:54 pm Eastern Time (2254 GMT) from the Kennedy Space Center in Florida, with the spaceship fixed atop a United Launch Alliance Atlas V rocket.

The mission's success is key to repairing Boeing's frayed reputation after the first bid, back in 2019, failed to dock with the ISS due to software bugs—one that led to it burning too much fuel to reach its destination, and another that could have destroyed the vehicle during re-entry.

A second try was scheduled in August of last year, but was rolled back from the launchpad to address sticky valves that weren't opening as they should, and the capsule was eventually sent back to the factory for fixes.

Boeing and NASA say the drama is now behind them.

"There's really no outstanding issues and we're ready," Mark Nappi, [vice president](#) and program manager of the Boeing Commercial Crew Program, said at a press conference this week.

NASA is looking to certify Starliner as a second "taxi" service for its astronauts to the [space station](#)—a role that Elon Musk's SpaceX has provided since succeeding in a test mission for its Dragon capsule in 2020.



Starliner should dock with the ISS about 24 hours after launch, and deliver more than 500 pounds (226 kilograms) of cargo -- including food and provisions like clothes and sleeping bags for the current crew on the station.

Redemption day

Both companies were awarded fixed-price contracts—\$4.2 billion to Boeing, and \$2.6 billion to SpaceX—in 2014, shortly after the end of the Space Shuttle program, during a time when the United States was left reliant on Russian Soyuz rockets for rides to the orbital outpost.

Boeing, with its hundred-year history, was considered by many as the sure shot, while then-upstart SpaceX was less proven.

In reality, it was SpaceX that rocketed ahead, and recently sent its fourth routine crew to the research platform—while Boeing's development delays have cost the company hundreds of millions of dollars.

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Its sole passenger is a mannequin named Rosie the Rocketeer—a play on the World War II campaign icon Rosie the Riveter—whose job is to collect flight data with her sensors in order to learn what human astronauts would experience.

"We are a little jealous of Rosie," said NASA astronaut Mike Fincke,

who is expected to be among the first crew selected for a manned demonstration mission should OFT-2 succeed.

The gumdrop-shaped capsule will spend about five to ten days in space, then undock and return to Earth, using giant parachutes to land in the desert of the western United States.

NASA sees a second provider to low Earth orbit as a vital backup, should SpaceX encounter problems.

"It's a really critical step for us and moving towards having two routinely flying crewed vehicles who can bring our crew to and from ISS," Dana Weigel, deputy program manager for the ISS, told reporters.

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