

NASA greenlights SpaceX crew capsule test to ISS

23 February 2019



A Falcon 9 rocket from the private US-based SpaceX is scheduled to lift off, weather permitting, on March 2 to take the Crew Dragon test capsule to the ISS

NASA on Friday gave SpaceX the green light to test a new crew capsule by first sending an unmanned craft with a life-sized mannequin to the International Space Station.

"We're go for launch, we're go for docking," said William Gerstenmaier, the associate administrator with NASA Human Exploration and Operations.

A Falcon 9 rocket from the private US-based SpaceX is scheduled to lift off, weather permitting, on March 2 to take the Crew Dragon test capsule to the ISS.

NASA signed contracts in 2014 with SpaceX and Boeing for the companies to shuttle US astronauts to the ISS.

This will be the first time the US space agency lets a private-sector company transport their astronauts.

NASA ended its space-shuttle program in 2011 and since then has relied on buying spots on Russian Soyuz rockets to send US astronauts to the orbiting ISS.

"This is an absolutely critical first step that we do as we move towards returning the crewed launch capability back here to the US," said Gerstenmaier, speaking at a press conference in Cape Canaveral, Florida.

The March 2 flight will be identical to a flight that is set to take two astronauts to the ISS later in the year, possibly in July.

The Crew Dragon capsule has seven seats. It should dock with the ISS on March 3, then detach and return to Earth on March 8.

"I guarantee everything will not work exactly right, and that's cool, that's exactly what we want to do," said Gerstenmaier.

"We want to maximize our learning so when... we're ready to go do a real crewed mission, and it'll be the right safety for our crews."

SpaceX has already made more than a dozen unmanned trips since 2012 carrying supplies to the ISS with the cargo version of the Dragon capsule.

But the safety criteria for manned flights are higher, and NASA said that the Crew Dragon still has some problems, including with its parachutes.

"It's a really big deal for SpaceX," said Hans Koenigsmann, vice president of the company founded by billionaire Elon Musk.

© 2019 AFP

APA citation: NASA greenlights SpaceX crew capsule test to ISS (2019, February 23) retrieved 19 November 2019 from <https://phys.org/news/2019-02-nasa-greenlights-spacex-crew-capsule.html>

This document is subject to copyright. Apart from any fair dealing for the purpose of private study or research, no part may be reproduced without the written permission. The content is provided for information purposes only.