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00:00:00,770 --> 00:00:07,230

Spaceflight safety testing continued recently as Boeing began splash-tests for the CST-100

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00:00:07,230 --> 00:00:12,190

Starliner at NASA's Langley Research Center in Hampton, Virginia.

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00:00:12,190 --> 00:00:17,200

Although designed to parachute back to land, the Starliner is also built to handle a water

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00:00:17,200 --> 00:00:23,550

landing in the unlikely event of an off-nominal occurrence such as a launch emergency.

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00:00:23,550 --> 00:00:27,930

SpaceX also recently tested four main parachutes like the ones that will be used to safely

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00:00:27,930 --> 00:00:30,730

land SpaceX's Crew Dragon spacecraft.

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00:00:30,730 --> 00:00:35,930

The test used a mass simulator as the weight of the spacecraft connected to the parachutes..

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00:00:35,930 --> 00:00:41,250

The testing is the latest in the effort by NASA's Commercial Crew Program and partners

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00:00:41,250 --> 00:00:46,720

Boeing and SpaceX to build and operate a new generation of human-rated spacecraft and launch

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00:00:46,720 --> 00:00:51,230

systems to take astronauts to the International Space Station.

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00:00:51,230 --> 00:00:56,230

Engineers with Commercial Crew and within the aerospace industry use extensive testing

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00:00:56,230 --> 00:01:02,100

alongside intense analysis to prove that systems, spacecraft and rockets will perform correctly

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00:01:02,100 --> 00:01:03,800

during a mission.

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00:01:03,800 --> 00:01:06,939

The testing isn't limited to machinery, either.

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00:01:06,939 --> 00:01:11,990

The astronauts who will fly the missions have been deeply involved in the test programs.

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00:01:11,990 --> 00:01:17,029

Commercial Crew astronaut Suni Williams joined Air Force pararescuemen at Langley to rehearse

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00:01:17,029 --> 00:01:21,689

the processes and expected scenarios to pull astronauts from the spacecraft.