
BOEING
CST-100

1
00:00:01,220 --> 00:00:10,950
\h NARRATOR: Welcome to Kennedy NOW! A look at the progress of change at America's premiere spac

2
00:00:10,950 --> 00:00:15,560
\h NASA's partners in the agency's Commercial Crew Program continue development of their

3
00:00:15,560 --> 00:00:20,200
\h spacecraft to carry astronauts to low-Earth orbit in the next few years.

4
00:00:20,200 --> 00:00:25,210
\h May saw Sierra Nevada Corporation deliver an engineering test prototype of

5
00:00:25,210 --> 00:00:30,060
\h its winged Dream Chaser to the Dryden Flight Research Center in California.

6
00:00:30,060 --> 00:00:33,910
\h Later this year, the flight vehicle will be dropped from a helicopter before

7
00:00:33,910 --> 00:00:38,470
\h gliding under its own control to a landing on the Mojave runways.

8
00:00:38,470 --> 00:00:42,220
\h Here, NASA astronaut Jack Fischer practices just such a landing

9
00:00:42,220 --> 00:00:46,060
\h in a flight simulator at the Langley Research Center.

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00:00:46,060 --> 00:00:52,500
\h The data from this “flight” will help engineers hone Dream Chaser's design.

11
00:00:52,500 --> 00:00:56,850
\h As for beyond low-Earth orbit, NASA's new Orion capsule that'll take the next

12
00:00:56,850 --> 00:01:00,640
\h generation of explorers into deep space has completed a series

13
00:01:00,640 --> 00:01:04,230

\h of tests to see how it handles the rigors of launch.

14
00:01:04,230 --> 00:01:07,850
\h Under development by Lockheed Martin, the vehicle will next be fitted

15
00:01:07,850 --> 00:01:11,340
\h with thrusters it'll use to maneuver in space.

16
00:01:11,340 --> 00:01:16,210
\h Orion is scheduled for its first mission next year, the uncrewed Exploration Flight

17
00:01:16,210 --> 00:01:22,620
\h Test-1 to evaluate the spacecraft's systems and heat shield.

18
00:01:22,620 --> 00:01:27,640
\h Missions to exotic destinations was the theme of this year's robotics mining competition at Kennedy.

19
00:01:27,640 --> 00:01:31,900
\h Designers were challenged to build automated machinery that could

20
00:01:31,900 --> 00:01:35,740
\h excavate material similar to that found on other planetary bodies,