



T- 00:47:02  
SPACEX CREW DEMO-1

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00:00:00,210 --> 00:00:05,380

Dan Huot: You are looking at a live view of SpaceX's first Crew Dragon spacecraft atop

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00:00:05,380 --> 00:00:10,980

a Falcon 9 rocket awaiting liftoff in just under an hour from now as part of the first

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00:00:10,980 --> 00:00:14,139

crew demonstration mission to the International Space Station for NASA.

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00:00:14,139 --> 00:00:19,039

Good evening, and good morning, and welcome to the live broadcast of NASA and SpaceX's

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00:00:19,039 --> 00:00:21,640

first crew demo mission to the space station.

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00:00:21,640 --> 00:00:25,189

My name is Dan Huot, and I'm a public affairs officer with NASA, and I'm really excited

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00:00:25,189 --> 00:00:29,039

to be here at SpaceX's headquarters in Hawthorne, California, for today's launch.

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00:00:29,039 --> 00:00:32,070

Lauren Lyons: Dan, it is so awesome to have you here.

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00:00:32,070 --> 00:00:33,489

Dan: It's awesome to be here.

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00:00:33,489 --> 00:00:34,489

Lauren: Thank you for coming.

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00:00:34,489 --> 00:00:37,851

My name is Lauren Lyons, and I'm a senior

flight reliability engineer here at SpaceX,

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00:00:37,851 --> 00:00:44,390

and as you can see, NASA and SpaceX have partnered on both the Demo-1 mission and today's broadcast.

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00:00:44,390 --> 00:00:49,170

We'll be bringing you live coverage from not only here at SpaceX headquarters in Hawthorne,

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00:00:49,170 --> 00:00:53,690

California, but also NASA's Kennedy Space Center in Florida, as well as the Johnson

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00:00:53,690 --> 00:00:55,129

Space Center in Houston.

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00:00:55,129 --> 00:00:59,550

Dan: As many of you probably already know, the purpose of today's mission is to demonstrate

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00:00:59,550 --> 00:01:03,899

the ability of the SpaceX's Falcon 9 rocket and the Crew Dragon vehicle to carry people

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00:01:03,899 --> 00:01:07,190

safely to and from the International Space Station.

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00:01:07,190 --> 00:01:11,500

Today's mission is a test flight, while there are no actual humans on board, we're

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00:01:11,500 --> 00:01:14,950

going to be executing every step of this mission as if there were.

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00:01:14,950 --> 00:01:19,500

Lauren: It's worth noting that for the purposes of this broadcast, we'll be using the terms

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00:01:19,500 --> 00:01:24,930  
Crew Dragon and Dragon interchangeably to refer to this next iteration of this spacecraft.

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00:01:24,930 --> 00:01:29,430  
The Dragon we fly for our CRS missions has already made 16 visits to the International

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00:01:29,430 --> 00:01:33,869  
Space Station, but this is the first time that Crew Dragon is making that journey.

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00:01:33,869 --> 00:01:38,210  
Dan: From start to finish, this mission will last approximately six days.

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00:01:38,210 --> 00:01:41,710  
It's going to start with liftoff just under an hour from now.

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00:01:41,710 --> 00:01:46,000  
Once Falcon 9 has lifted Dragon into orbit, the spacecraft will make its way to the space

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00:01:46,000 --> 00:01:49,149  
station for a period of approximately 27 hours.

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00:01:49,149 --> 00:01:53,580  
This time period is a little bit longer than we anticipate once people are actually on

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00:01:53,580 --> 00:01:57,729  
board, but for this mission, it allows ample time to conduct all the necessary testing

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00:01:57,729 --> 00:02:03,030  
and demos prior to SpaceX's first docking of Crew Dragon with the space station.

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00:02:03,030 --> 00:02:07,930  
Lauren: Once Dragon arrives at station, it's expected to stay for about five days, during

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00:02:07,930 --> 00:02:12,030  
which time it will undergo a series of checkouts of many of the new systems as well as the

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00:02:12,030 --> 00:02:14,350  
ISS interfaces.

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00:02:14,350 --> 00:02:17,760  
While it's docked, it will deliver some cargo to space station that we've launched,

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00:02:17,760 --> 00:02:22,670  
but it will also bring some cargo back that the crew will pack up in Dragon on the way

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00:02:22,670 --> 00:02:23,670  
back home.

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00:02:23,670 --> 00:02:27,720  
At the end of that five-day dock period, Dragon will depart the ISS for its splashdown in

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00:02:27,720 --> 00:02:32,220  
the Atlantic Ocean, where it will be met by recovery crews and transported back to our

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00:02:32,220 --> 00:02:33,560  
site at Cape Canaveral.

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00:02:33,560 --> 00:02:37,360  
Dan: For everybody watching and following along at home, if you have a question about

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00:02:37,360 --> 00:02:40,940  
this mission or any of the upcoming crewed

missions, we'd love to answer them later

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00:02:40,940 --> 00:02:41,960

in this broadcast.

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00:02:41,960 --> 00:02:45,170

You can send them in using the hashtag ask  
NASA on Twitter.

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00:02:45,170 --> 00:02:50,220

Lauren: This is such an awesome and exciting  
day for the teams, both at NASA and SpaceX.