1
00:00:00,000 --> 00:00:07,320
MUSIC

2
00:00:07,355 --> 00:00:09,728
What we've been doing today is going

3
00:00:09,763 --> 00:00:11,984
through a process to test the interfaces

4
00:00:12,019 --> 00:00:14,200
between two pieces of flight hardware.

5
00:00:14,235 --> 00:00:16,064
One piece of the flight hardware is the

6
00:00:16,099 --> 00:00:19,383
Delta four heavy upper stage. The Delta

7
00:00:19,418 --> 00:00:21,408
four will be used in the EFT-1 l flight test

8
00:00:21,443 --> 00:00:23,880
which is the Exploration flight test, one for

9
00:00:23,915 --> 00:00:25,512
the Orion program. And here at Marshall

10
00:00:25,547 --> 00:00:27,272
we've designed the interface hardware in

11
00:00:27,307 --> 00:00:29,520
between the Orion capsule and that upper

12
00:00:29,555 --> 00:00:32,320
stage. So today we've been taking the two

13
00:00:32,355 --> 00:00:34,209

unique pieces of hardware, they’re

14
00:00:34,244 --> 00:00:35,559
supposed to have a common interface…

15
00:00:35,594 --> 00:00:38,288
basically lower them, together, bolting

16
00:00:38,323 --> 00:00:39,664
them and making sure that they fit.

17
00:00:39,699 --> 00:00:41,328
The MSA is a great example of a couple of

18
00:00:41,363 --> 00:00:43,128
things, one it’s actually a piece of hardware

19
00:00:43,163 --> 00:00:45,136
that we are flying on an early test, but we’re

20
00:00:45,171 --> 00:00:46,960
also going to fly for the long term that’s

21
00:00:46,995 --> 00:00:49,816
going to be part of the Orion and SLS plan.

22
00:00:49,851 --> 00:00:52,544
It also shows a great collaboration I think

23
00:00:52,579 --> 00:00:55,016
between NASA and our contractors.

24
00:00:55,051 --> 00:00:57,568
We’re providing a Delta four heavy launch

25
00:00:57,603 --> 00:01:00,736
vehicle, a proven heavy lift…a three bodied

26
00:01:00,771 --> 00:01:02,720
heavy launch vehicle with a very very

27
00:01:02,755 --> 00:01:05,239
capable upper stage…and it will be able

28
00:01:05,274 --> 00:01:07,639
to put the Orion space craft into a very

29
00:01:07,674 --> 00:01:12,152
very high energy orbit. And the real key

30
00:01:12,187 --> 00:01:15,240
to this mission will be a great deal of risk

31
00:01:15,275 --> 00:01:17,352
reduction in the overall development of

32
00:01:17,387 --> 00:01:19,559
the Orion SLS program.

33
00:01:19,594 --> 00:01:22,119
I think it shows that exploration is not just

34
00:01:22,154 --> 00:01:23,879
a debate…it's not just a bunch of charts…

35
00:01:23,914 --> 00:01:25,936
we're actually flying something in fifteen

36
00:01:25,971 --> 00:01:28,768
months. We're going to test a lot of the

37
00:01:28,803 --> 00:01:32,104
key systems on Orion and also for SLS

38
00:01:32,139 --> 00:01:34,160

with the upper stage and the MSA that are

39
00:01:34,195 --> 00:01:36,168
going to be used when we fly people into