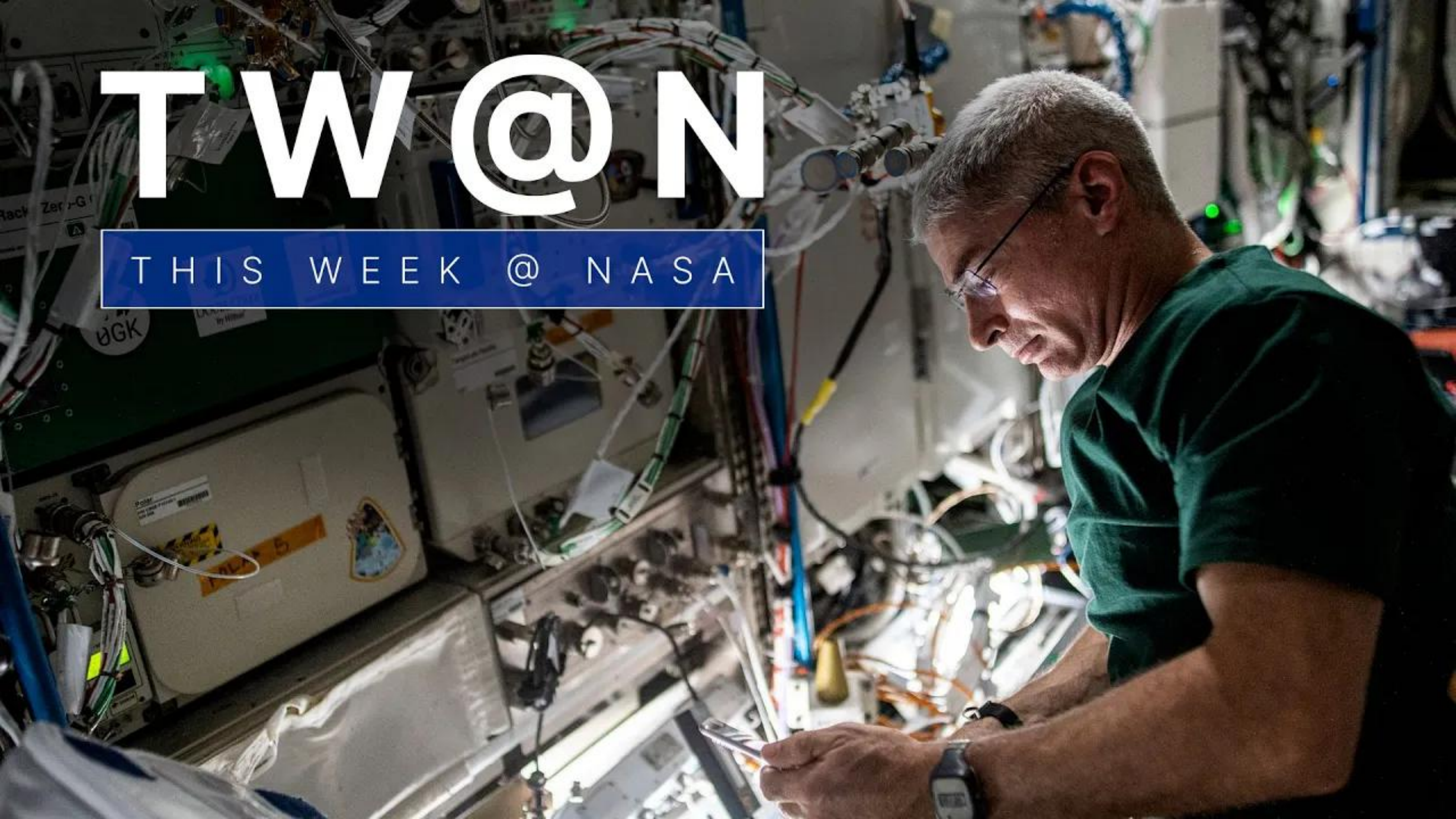
TW@N
THIS WEEK @ NASA

1
00:00:05,510 --> 00:00:03,110
a milestone for a nasa astronaut a plan

2
00:00:07,510 --> 00:00:05,520
for the future of the space station and

3
00:00:09,430 --> 00:00:07,520
moving a step closer to an historic

4
00:00:11,350 --> 00:00:09,440
mission to the station a few of the

5
00:00:11,750 --> 00:00:11,360
stories to tell you about this week at

6
00:00:13,669 --> 00:00:11,760
nasa

7
00:00:16,230 --> 00:00:13,679
[Music]

8
00:00:18,950 --> 00:00:16,240
february 3rd was nasa astronaut mark

9
00:00:20,630 --> 00:00:18,960
vandehei's 300th consecutive day living

10
00:00:23,990 --> 00:00:20,640
and working aboard the international

11
00:00:25,830 --> 00:00:24,000
space station in september 2021 about

12
00:00:28,070 --> 00:00:25,840
five months into his stay aboard the

13
00:00:30,630 --> 00:00:28,080

space station vanda high's mission was

14
00:00:32,630 --> 00:00:30,640
extended to march 2022

15
00:00:34,870 --> 00:00:32,640
that puts him on track to hold the new

16
00:00:37,350 --> 00:00:34,880
american record for the longest single

17
00:00:39,750 --> 00:00:37,360
spaceflight by an astronaut by the time

18
00:00:41,830 --> 00:00:39,760
he returns to earth in late march

19
00:00:43,670 --> 00:00:41,840
in response to congressional direction

20
00:00:45,670 --> 00:00:43,680
nasa has provided an updated

21
00:00:47,830 --> 00:00:45,680
international space station transition

22
00:00:50,150 --> 00:00:47,840
report that details the goals for

23
00:00:52,549 --> 00:00:50,160
station operations over the next decade

24
00:00:55,110 --> 00:00:52,559
that will lead to a smooth transition to

25
00:00:57,270 --> 00:00:55,120
commercial services the steps being

26
00:00:59,510 --> 00:00:57,280
taken to develop both the supply and

27
00:01:02,069 --> 00:00:59,520
demand side of a commercial economy in

28
00:01:04,630 --> 00:01:02,079
low earth orbit and the technical steps

29
00:01:06,789 --> 00:01:04,640
and budget required for the transition

30
00:01:08,630 --> 00:01:06,799
the biden-harris administration recently

31
00:01:11,670 --> 00:01:08,640
made a commitment to extend space

32
00:01:13,670 --> 00:01:11,680
station operations until 2030. we and

33
00:01:15,590 --> 00:01:13,680
our international partners have approved

34
00:01:17,910 --> 00:01:15,600
the crew members for the first private

35
00:01:21,590 --> 00:01:17,920
astronaut mission to the space station

36
00:01:23,590 --> 00:01:21,600
axiom space's axiom mission 1 or ax1 is

37
00:01:26,230 --> 00:01:23,600
targeted for launch to the station march

38
00:01:29,429 --> 00:01:26,240

30th from our kennedy space center on

39
00:01:31,590 --> 00:01:29,439
spacex's crew dragon endeavor spacecraft

40
00:01:33,590 --> 00:01:31,600
former nasa astronaut michael lopez

41
00:01:35,830 --> 00:01:33,600
alegria will serve as the commander of

42
00:01:37,830 --> 00:01:35,840
the four person multinational crew which

43
00:01:40,310 --> 00:01:37,840
is scheduled to spend eight days aboard

44
00:01:42,550 --> 00:01:40,320
the orbiting outpost conducting science

45
00:01:45,109 --> 00:01:42,560
education and commercial activities

46
00:01:46,710 --> 00:01:45,119
before returning to earth nasa has

47
00:01:48,950 --> 00:01:46,720
updated the schedule to move the

48
00:01:50,950 --> 00:01:48,960
combined space launch system rocket and

49
00:01:53,350 --> 00:01:50,960
orion spacecraft out of the vehicle

50
00:01:55,350 --> 00:01:53,360
assembly building or vab to the launch

51
00:01:59,190 --> 00:01:55,360
pad at our kennedy space center for

52
00:02:01,510 --> 00:01:59,200
testing to no earlier than march 2022

53
00:02:03,670 --> 00:02:01,520
the agency has added additional time to

54
00:02:06,469 --> 00:02:03,680
complete closeout activities inside the

55
00:02:08,869 --> 00:02:06,479
vab before rolling the integrated rocket

56
00:02:11,110 --> 00:02:08,879
and spacecraft out for the first time

57
00:02:13,190 --> 00:02:11,120
teams are not working any major issues

58
00:02:15,910 --> 00:02:13,200
but are taking operations a step at a

59
00:02:18,229 --> 00:02:15,920
time to ensure the integrated system is

60
00:02:19,190 --> 00:02:18,239
ready to safely launch on the artemis 1

61
00:02:21,030 --> 00:02:19,200
mission

62
00:02:23,430 --> 00:02:21,040
nasa is reviewing potential launch

63
00:02:25,270 --> 00:02:23,440

opportunities in april and may we

64
00:02:27,510 --> 00:02:25,280
successfully completed the final

65
00:02:29,350 --> 00:02:27,520
inflation test with the bernard cutter

66
00:02:32,150 --> 00:02:29,360
low earth orbit flight test of an

67
00:02:34,309 --> 00:02:32,160
inflatable decelerator or lofted the

68
00:02:36,630 --> 00:02:34,319
nasa technology which could one day help

69
00:02:38,710 --> 00:02:36,640
land humans on mars is scheduled to

70
00:02:41,509 --> 00:02:38,720
launch with a polar orbiting satellite

71
00:02:43,750 --> 00:02:41,519
no earlier than fall 2022

72
00:02:46,070 --> 00:02:43,760
once in low earth orbit lofted will

73
00:02:47,990 --> 00:02:46,080
separate from the satellite and descend

74
00:02:50,790 --> 00:02:48,000
back to earth to demonstrate that the

75
00:02:53,430 --> 00:02:50,800
inflatable aeroshell or heat shield can

76
00:02:55,110 --> 00:02:53,440
slow down and survive re-entry the

77
00:02:57,670 --> 00:02:55,120
demonstration will conclude with a

78
00:02:59,670 --> 00:02:57,680
splash landing in the pacific ocean

79
00:03:01,509 --> 00:02:59,680
that's what's up this week at nasa for