

Russian Spacewalk 53



1
00:00:05,990 --> 00:00:03,110
russian spacewalk 53 will be conducted

2
00:00:08,310 --> 00:00:06,000
by oleg artemyev ev1 and the red stripes

3
00:00:09,509 --> 00:00:08,320
and denise matviv ev2 in the blue

4
00:00:11,430 --> 00:00:09,519
stripes

5
00:00:13,350 --> 00:00:11,440
to start the spacewalk crew will egress

6
00:00:15,350 --> 00:00:13,360
the poisk airlock with a crew lock bag

7
00:00:16,710 --> 00:00:15,360
and tool carrier

8
00:00:18,710 --> 00:00:16,720
after turning on their cameras and

9
00:00:20,790 --> 00:00:18,720
lights both crew will start translating

10
00:00:23,750 --> 00:00:20,800
down the stella boom from poisk to the

11
00:00:27,589 --> 00:00:25,349
after translating nader of the solar

12
00:00:29,349 --> 00:00:27,599
rays ev1 and ev2 will take separate

13
00:00:34,069 --> 00:00:29,359

translation paths to the european

14

00:00:37,990 --> 00:00:36,150

ev1 and ev2 will work to remove

15

00:00:40,549 --> 00:00:38,000

insulation covers on the era end

16

00:00:42,709 --> 00:00:40,559

effectors afterwards they'll stow the

17

00:00:46,869 --> 00:00:42,719

crew lock bag and tool carrier on

18

00:00:52,710 --> 00:00:49,029

oleg will gather and jettison the covers

19

00:00:55,110 --> 00:00:52,720

in the station aft direction

20

00:00:57,510 --> 00:00:55,120

[Music]

21

00:00:59,029 --> 00:00:57,520

once complete with imagery ev1 releases

22

00:01:02,310 --> 00:00:59,039

the launch lock near the end effector

23

00:01:07,350 --> 00:01:02,320

joint as ev2 retrieves the tool carrier

24

00:01:11,910 --> 00:01:09,109

denise will then back off the grapple

25

00:01:19,270 --> 00:01:11,920

point from the end effector

26
00:01:23,030 --> 00:01:21,030
ev2 will monitor motion of the end

27
00:01:25,270 --> 00:01:23,040
effector joint once the end effector has

28
00:01:27,030 --> 00:01:25,280
completed its first motion ev1 will

29
00:01:28,469 --> 00:01:27,040
remove a launch lock that will then lead

30
00:01:34,550 --> 00:01:28,479
to an additional motion of the end

31
00:01:39,190 --> 00:01:36,230
crew will work together to continue

32
00:01:41,109 --> 00:01:39,200
releasing various era launch locks at

33
00:01:43,030 --> 00:01:41,119
which point the era shoulder limb will

34
00:01:45,570 --> 00:01:43,040
be rotated to allow handrails to be

35
00:02:02,360 --> 00:01:45,580
installed

36
00:02:02,370 --> 00:02:07,830
[Music]

37
00:02:13,190 --> 00:02:10,469
as crew verifies safe motion era will be

38
00:02:15,589 --> 00:02:13,200

maneuvered to grapple onto nowuka base

39

00:02:17,110 --> 00:02:15,599

point one

40

00:02:18,869 --> 00:02:17,120

crew translates to the remaining end

41

00:02:25,090 --> 00:02:18,879

effector to repeat the process of

42

00:02:25,100 --> 00:02:29,589

[Music]

43

00:02:33,350 --> 00:02:31,270

the end effector is moved away from

44

00:02:37,520 --> 00:02:33,360

structure slightly to allow access to

45

00:02:42,390 --> 00:02:40,869

[Music]

46

00:02:44,150 --> 00:02:42,400

oleg and denise will translate to

47

00:02:47,240 --> 00:02:44,160

provide safe motion calls for the next

48

00:02:49,990 --> 00:02:47,250

era maneuvers

49

00:02:51,350 --> 00:02:50,000

[Music]

50

00:02:55,010 --> 00:02:51,360

eero will grapple its second end

51

00:03:00,949 --> 00:02:59,110

[Music]

52

00:03:03,350 --> 00:03:00,959

the team will then ungrapple from base

53

00:03:05,780 --> 00:03:03,360

point one and maneuver over to base

54

00:03:11,589 --> 00:03:05,790

point 3.

55

00:03:15,270 --> 00:03:12,869

crew will gather their tools and

56

00:03:18,290 --> 00:03:15,280

translate zenith up the nowuka module

57

00:03:23,589 --> 00:03:18,300

and strela boom to the poisk airlock

58

00:03:25,589 --> 00:03:23,599

[Music]

59

00:03:29,480 --> 00:03:25,599

there crew will stow their bags and