



1  
00:00:01,626 --> 00:00:04,086  
>> Devan Bolch: Russian  
EVA 34 will be conducted

2  
00:00:04,086 --> 00:00:07,386  
by Fyodor Yurchikhin as  
EV1 in the red stripe suit

3  
00:00:07,386 --> 00:00:10,286  
and Aleksandr or Sasha  
Misurkin will be EV2

4  
00:00:10,286 --> 00:00:11,386  
in the blue stripe suit.

5  
00:00:11,846 --> 00:00:16,006  
Sasha will egress Pirs docking  
compartment 1 or DC1 first,

6  
00:00:16,006 --> 00:00:19,616  
and Fyodor will pass out the  
universal EVA cable carrier

7  
00:00:19,816 --> 00:00:22,676  
with a two MLM power  
cables along

8  
00:00:22,976 --> 00:00:26,086  
with a few EVA installable  
cable fair leads.

9  
00:00:26,086 --> 00:00:29,926  
Fyodor will also pass out  
the MLM Ethernet cable reel

10  
00:00:29,926 --> 00:00:32,286  
and two temporary  
connector patch panels.

11

00:00:32,576 --> 00:00:34,716  
He'll also pass out gap spanners

12  
00:00:34,716 --> 00:00:36,956  
and Vinoslivost panel  
number two.

13  
00:00:37,436 --> 00:00:41,706  
Then Fyodor will egress.

14  
00:00:41,806 --> 00:00:44,516  
Sasha will take the  
Ethernet cable reel bundle

15  
00:00:44,516 --> 00:00:46,096  
and Vinoslivost number two,

16  
00:00:46,096 --> 00:00:48,606  
and Fyodor will take the  
universal cable carrier

17  
00:00:48,606 --> 00:00:49,846  
around DC1 to Strela 1.

18  
00:00:50,516 --> 00:01:02,076  
[ Pause ]

19  
00:01:02,576 --> 00:01:05,196  
At Strela 1's endovector  
[phonetic],

20  
00:01:05,726 --> 00:01:08,446  
the two will attach the  
universal cable carrier

21  
00:01:08,446 --> 00:01:09,966  
to Strela 1's endovector.

22  
00:01:10,516 --> 00:01:18,476

[ Pause ]

23

00:01:18,976 --> 00:01:23,136

Sasha will translate  
up Strela 1 to Emeron 2

24

00:01:23,206 --> 00:01:25,976

and [inaudible] stow his  
hardware on Emeron 2's handrail.

25

00:01:26,516 --> 00:01:37,006

[ Pause ]

26

00:01:37,506 --> 00:01:40,976

Sasha will then make his way  
to Strela 1's operator post.

27

00:01:41,516 --> 00:01:55,786

[ Pause ]

28

00:01:56,286 --> 00:02:00,206

Sasha will then manually  
maneuver Strela 1's boom

29

00:02:00,206 --> 00:02:03,416

with Fyodor and the universal  
cable carrier at the endovector

30

00:02:03,866 --> 00:02:06,976

to the FTB near the US  
and Russian interface.

31

00:02:07,516 --> 00:02:46,136

[ Pause ]

32

00:02:46,636 --> 00:02:48,336

Fyodor will attach a tether

33

00:02:48,336 --> 00:02:50,976

from the Strela 1's  
boom to an FGB handrail.

34

00:02:51,516 --> 00:03:03,016  
[ Pause ]

35

00:03:03,516 --> 00:03:07,336  
Fyodor will translate to  
Strela cradle near Strela 2

36

00:03:07,336 --> 00:03:08,526  
and retrieve the cradle.

37

00:03:12,476 --> 00:03:15,916  
He will take the cradle back to  
Strela 1 and attach the cradle

38

00:03:15,916 --> 00:03:19,926  
to the FGB and Strela 1 to  
stabilize Strela 1's boom.

39

00:03:24,526 --> 00:03:27,316  
And will also release the tether

40

00:03:27,316 --> 00:03:31,206  
from Strela 1 once this  
cradle is attached.

41

00:03:35,866 --> 00:03:38,416  
Fyodor will then  
relocate a cable connector

42

00:03:38,416 --> 00:03:39,976  
that was routed on  
a previous EVA.

43

00:03:40,516 --> 00:03:47,506  
[ Pause ]

44

00:03:48,006 --> 00:03:51,976

He will then install a few  
cable fair leads on the FGB.

45

00:03:52,516 --> 00:04:01,336

[ Pause ]

46

00:04:01,836 --> 00:04:05,146

Sasha will install the  
Vioslivost number 2

47

00:04:05,486 --> 00:04:08,976

on the backside of MRN 2.

48

00:04:09,516 --> 00:04:21,936

[ Pause ]

49

00:04:22,436 --> 00:04:25,486

He will also install the two  
connector patch panels he

50

00:04:25,486 --> 00:04:25,976

brought out.

51

00:04:26,516 --> 00:04:43,826

[ Pause ]

52

00:04:44,326 --> 00:04:47,536

Sasha will also install  
a gap spanner

53

00:04:47,536 --> 00:04:49,966

between Emeron 2 and the FGB.

54

00:04:50,516 --> 00:04:58,496

[ Pause ]

55

00:04:58,996 --> 00:05:01,336

Once the gap spanner's

installed, Sasha will translate

56

00:05:01,336 --> 00:05:03,356  
down FGB to Fyodor's worksite.

57

00:05:04,406 --> 00:05:07,336  
Sasha will then route the  
MRN power cable number 1

58

00:05:07,396 --> 00:05:10,156  
down the FGB to Emeron  
2, installing it

59

00:05:10,156 --> 00:05:12,426  
in the cable fair leads  
previously installed.

60

00:05:13,316 --> 00:05:15,346  
Fyodor will stay at  
the cable carrier

61

00:05:15,346 --> 00:05:17,616  
and then wind the cable  
as Sash routes it.

62

00:05:17,646 --> 00:05:21,406  
In the digital display, you can  
see that the cable is flashing

63

00:05:21,406 --> 00:05:22,686  
and is already installed.

64

00:05:23,516 --> 00:05:44,026  
[ Pause ]

65

00:05:44,526 --> 00:05:48,296  
Once at Emeron 2, Sasha  
will attach cable number 1

66

00:05:48,856 --> 00:05:53,616  
to the connector patch  
panel previously installed,

67

00:05:53,686 --> 00:05:56,056  
and any excess cable  
will be attached

68

00:05:56,056 --> 00:05:57,426  
to an Emeron 2 handrail.

69

00:05:57,806 --> 00:06:01,566  
Once the cable is attached  
to the patch panel,

70

00:06:01,796 --> 00:06:04,336  
Fyodor will take the remaining  
cable from the cable carrier

71

00:06:04,336 --> 00:06:06,816  
and attach it to  
the FGB handrail.

72

00:06:12,426 --> 00:06:15,216  
Then Fyodor will  
translate down the FGB

73

00:06:15,216 --> 00:06:18,546  
to Emeron 2 removing the  
slack from cable number 1.

74

00:06:23,266 --> 00:06:25,776  
Once power cable  
number 1 is secure,

75

00:06:25,776 --> 00:06:29,426  
Fyodor will route the MLN  
Ethernet cable down the FGB,

76

00:06:29,716 --> 00:06:33,036

attaching it into previously  
installed cable clamps.

77

00:06:33,736 --> 00:06:37,566  
Sasha will stay at the Ethernet  
cable reel, unwinding the cable

78

00:06:37,566 --> 00:06:39,986  
as Fyodor routes it, and, again,

79

00:06:40,046 --> 00:06:42,166  
the digital display  
shows the cable flashing

80

00:06:42,166 --> 00:06:43,526  
and already routed.

81

00:06:47,236 --> 00:06:51,606  
The Ethernet cable connector  
will temporarily be attached

82

00:06:51,606 --> 00:06:54,676  
to an FGB handrail near the  
US and Russian interface.

83

00:06:58,666 --> 00:07:02,316  
Once Fyodor is finished  
attaching the Ethernet connector

84

00:07:02,316 --> 00:07:06,816  
to the FGB, Sasha will install  
the Ethernet cable into clamps

85

00:07:06,816 --> 00:07:10,316  
at the end of the FGB  
and the MRN 2 interface.

86

00:07:14,086 --> 00:07:17,576  
Then Sasha will translate back  
to the universal cable carrier

87

00:07:17,856 --> 00:07:20,586  
on the FGB and along  
the way taking the slack

88

00:07:20,586 --> 00:07:21,966  
out of the Ethernet cable.

89

00:07:22,516 --> 00:07:37,616  
[ Pause ]

90

00:07:38,116 --> 00:07:42,496  
Fyodor will now route MLN power  
cable number 2 along the FGB

91

00:07:42,496 --> 00:07:46,756  
to the MRN 2 as Sasha unwinds  
the cable from the carrier.

92

00:07:47,206 --> 00:07:48,656  
Fyodor will install the cable

93

00:07:48,656 --> 00:07:50,976  
and the cable fair  
leads along the F2B.

94

00:07:51,516 --> 00:07:59,756  
[ Pause ]

95

00:08:00,256 --> 00:08:03,386  
And, again, the digital  
display shows the cable flashing

96

00:08:03,386 --> 00:08:03,976  
and already installed.

97

00:08:04,516 --> 00:08:25,806  
[ Pause ]

98

00:08:26,306 --> 00:08:28,386

And Fyodor will attach the cable

99

00:08:28,386 --> 00:08:30,996

to the previously installed  
patch panel number 2,

100

00:08:30,996 --> 00:08:34,786

and any excess cable will be  
attached to MRN 2's handrail.

101

00:08:39,226 --> 00:08:41,536

Once Fyodor has completed  
the patch panel,

102

00:08:41,776 --> 00:08:43,586

Sasha will attach  
the remaining cable

103

00:08:43,586 --> 00:08:46,716

to an FGB handrail near the  
US and Russian interface.

104

00:08:47,516 --> 00:08:54,666

[ Pause ]

105

00:08:55,166 --> 00:08:58,226

Then translate down the  
FGB taking the slack

106

00:08:58,226 --> 00:08:59,976

out of the MLN power  
cable number 2.

107

00:09:00,516 --> 00:09:13,336

[ Pause ]

108

00:09:13,836 --> 00:09:19,296

Fyodor will attach the cable

number 2 to the cable clamps

109

00:09:19,456 --> 00:09:21,976

on the FGB and MRN 2 interface.

110

00:09:22,516 --> 00:09:29,616

[ Pause ]

111

00:09:30,116 --> 00:09:32,946

The two crew members will  
then translate back to DC1,

112

00:09:32,946 --> 00:09:36,826

and the two members  
will ingress.