
PAO

1
00:00:04,710 --> 00:00:02,869
hi welcome inside the international

2
00:00:06,630 --> 00:00:04,720
space station flight control room we've

3
00:00:08,150 --> 00:00:06,640
been uh talking about some activity

4
00:00:10,230 --> 00:00:08,160
there aboard the space station and here

5
00:00:12,070 --> 00:00:10,240
on the ground and joining me today we

6
00:00:14,230 --> 00:00:12,080
have the space station operations

7
00:00:15,589 --> 00:00:14,240
integration manager kenny todd kenny

8
00:00:17,670 --> 00:00:15,599
thanks for coming out today it's my

9
00:00:19,429 --> 00:00:17,680
pleasure thank you so

10
00:00:20,790 --> 00:00:19,439
let's talk about

11
00:00:23,910 --> 00:00:20,800
what's been going on here we've got

12
00:00:26,150 --> 00:00:23,920
spacex on the ground on the falcon 9

13
00:00:28,870 --> 00:00:26,160

the dragon ready to go

14
00:00:31,429 --> 00:00:28,880
for launch we also have a failed

15
00:00:32,630 --> 00:00:31,439
computer backup computer

16
00:00:34,549 --> 00:00:32,640
on station and then we have a

17
00:00:37,350 --> 00:00:34,559
contingency spacewalk so let's first

18
00:00:38,389 --> 00:00:37,360
start with what transpired on friday

19
00:00:40,709 --> 00:00:38,399
sure

20
00:00:43,590 --> 00:00:40,719
the team here on the ground in mcc was

21
00:00:47,910 --> 00:00:43,600
doing a standard software load what we

22
00:00:49,750 --> 00:00:47,920
call a ppl as just a small software

23
00:00:52,069 --> 00:00:49,760
uplink that they were doing when they

24
00:00:54,310 --> 00:00:52,079
powered that backup box on to to put it

25
00:00:56,389 --> 00:00:54,320
in configuration to do that load the box

26
00:00:58,150 --> 00:00:56,399
itself did not respond in the in the way

27
00:01:00,470 --> 00:00:58,160
that it typically would uh go through

28
00:01:02,389 --> 00:01:00,480
its normal startup procedures instead it

29
00:01:04,549 --> 00:01:02,399
was clear the box was drawing a lot less

30
00:01:06,230 --> 00:01:04,559
power than it typically would and it

31
00:01:08,550 --> 00:01:06,240
never got in a state where we could go

32
00:01:10,149 --> 00:01:08,560
load the software okay and this is a

33
00:01:14,710 --> 00:01:10,159
backup

34
00:01:17,830 --> 00:01:14,720
have the the primary mdm which we call

35
00:01:19,510 --> 00:01:17,840
ext1 uh was up and controlling the

36
00:01:21,510 --> 00:01:19,520
systems the external systems as it

37
00:01:22,789 --> 00:01:21,520
typically does this particular box is

38
00:01:23,990 --> 00:01:22,799

there's nothing more than back than a

39
00:01:25,350 --> 00:01:24,000
backup that

40
00:01:26,230 --> 00:01:25,360
that we had powered down and we were

41
00:01:28,390 --> 00:01:26,240
just putting it in a better

42
00:01:30,550 --> 00:01:28,400
configuration okay good deal so there

43
00:01:32,550 --> 00:01:30,560
was no impact to the the crew or the

44
00:01:34,950 --> 00:01:32,560
station systems correct on that day when

45
00:01:36,149 --> 00:01:34,960
that took place so talk to me about um

46
00:01:37,670 --> 00:01:36,159
this weekend i understand there were a

47
00:01:38,870 --> 00:01:37,680
lot of discussions with the

48
00:01:40,870 --> 00:01:38,880
international space station mission

49
00:01:42,630 --> 00:01:40,880
management team and then um that

50
00:01:44,230 --> 00:01:42,640
discussion was on whether or not we will

51
00:01:46,710 --> 00:01:44,240
continue with the um

52
00:01:49,350 --> 00:01:46,720
the uh launch of spacex falcon 9 if you

53
00:01:51,109 --> 00:01:49,360
can talk to me about some of that sure

54
00:01:52,950 --> 00:01:51,119
anytime we have a failure on on space

55
00:01:54,149 --> 00:01:52,960
station our first

56
00:01:55,990 --> 00:01:54,159
thought is

57
00:01:58,230 --> 00:01:56,000
what would we do in the event we have an

58
00:02:00,149 --> 00:01:58,240
additional failure and which failure

59
00:02:02,630 --> 00:02:00,159
would be our worst failure in this

60
00:02:05,030 --> 00:02:02,640
particular case if we were to lose the

61
00:02:07,350 --> 00:02:05,040
the one mdm that that was already up and

62
00:02:10,309 --> 00:02:07,360
running and doing its job

63
00:02:13,430 --> 00:02:10,319

that ext1 mdm if he were to lose it

64
00:02:15,350 --> 00:02:13,440
how bad a day would we be in and and

65
00:02:16,790 --> 00:02:15,360
immediately we start looking at what the

66
00:02:18,550 --> 00:02:16,800
consequences would be what kind of

67
00:02:20,229 --> 00:02:18,560
things we could do to try to put the

68
00:02:21,910 --> 00:02:20,239
overall system in a better configuration

69
00:02:24,150 --> 00:02:21,920
to tolerate that failure should it

70
00:02:26,229 --> 00:02:24,160
happen and so those kinds of things we

71
00:02:28,949 --> 00:02:26,239
we started doing immediately

72
00:02:31,509 --> 00:02:28,959
on board on on friday night and so

73
00:02:33,910 --> 00:02:31,519
um taking a little bit of that data and

74
00:02:35,350 --> 00:02:33,920
and folding that into okay now how good

75
00:02:38,070 --> 00:02:35,360
do we feel about pressing the head with

76
00:02:40,150 --> 00:02:38,080
some of the immediate near-term upcoming

77
00:02:42,550 --> 00:02:40,160
activities like spacex launching can we

78
00:02:44,150 --> 00:02:42,560
get at birth that that's really what we

79
00:02:44,949 --> 00:02:44,160
spend a lot of time this weekend talking

80
00:02:47,350 --> 00:02:44,959
about

81
00:02:49,350 --> 00:02:47,360
okay and then so the decision was a go

82
00:02:51,990 --> 00:02:49,360
for spacex so we have that taking place

83
00:02:53,750 --> 00:02:52,000
today the launch is scheduled to occur

84
00:02:56,150 --> 00:02:53,760
at 3 58

85
00:02:57,589 --> 00:02:56,160
central time today and we'll be having

86
00:02:59,750 --> 00:02:57,599
live coverage for you here on nasa

87
00:03:02,470 --> 00:02:59,760
television beginning at 2 45 pm central

88
00:03:04,390 --> 00:03:02,480

time um talk to me a little about the

89
00:03:06,070 --> 00:03:04,400
importance of spacex's station i know

90
00:03:07,670 --> 00:03:06,080
it's loaded with all kinds of supplies

91
00:03:09,270 --> 00:03:07,680
and experiments and stuff but can you

92
00:03:11,110 --> 00:03:09,280
talk to me about why it's so important

93
00:03:13,190 --> 00:03:11,120
for us to go ahead and get that up you

94
00:03:15,030 --> 00:03:13,200
bet sure there there's uh

95
00:03:16,630 --> 00:03:15,040
you know we have consumables just your

96
00:03:18,630 --> 00:03:16,640
basic uh

97
00:03:20,949 --> 00:03:18,640
needs that we have to meet to meet uh to

98
00:03:22,630 --> 00:03:20,959
meet our crew's needs but uh but in

99
00:03:25,430 --> 00:03:22,640
addition that we have a new spacesuit

100
00:03:26,949 --> 00:03:25,440
and uh as many of many folks know we've

101
00:03:28,470 --> 00:03:26,959
had some issues with spacesuits that

102
00:03:29,990 --> 00:03:28,480
we've been working through uh we're

103
00:03:32,309 --> 00:03:30,000
still learning a lot about about how

104
00:03:34,149 --> 00:03:32,319
space boots perform over the long long

105
00:03:36,229 --> 00:03:34,159
haul and so the opportunity to get a new

106
00:03:37,750 --> 00:03:36,239
space suit on board is is very important

107
00:03:38,869 --> 00:03:37,760
for us and so

108
00:03:40,630 --> 00:03:38,879
so we're looking forward to getting that

109
00:03:42,070 --> 00:03:40,640
new suit on board

110
00:03:43,589 --> 00:03:42,080
in addition to that we have some

111
00:03:45,509 --> 00:03:43,599
additional spare parts for our suits

112
00:03:47,589 --> 00:03:45,519
that are currently on board and so we'll

113
00:03:49,670 --> 00:03:47,599

be be looking to get those

114
00:03:52,070 --> 00:03:49,680
out and get them get them input into our

115
00:03:54,789 --> 00:03:52,080
new into our suits and so we'll we'll be

116
00:03:56,630 --> 00:03:54,799
in a much better configuration eva wise

117
00:03:58,309 --> 00:03:56,640
once we get those uh those suits

118
00:03:59,910 --> 00:03:58,319
upgraded on board

119
00:04:01,429 --> 00:03:59,920
but in addition to that we've got an

120
00:04:03,429 --> 00:04:01,439
incredible amount of research on this

121
00:04:05,589 --> 00:04:03,439
particular flight that uh that we're

122
00:04:07,670 --> 00:04:05,599
ready to put put in the crew's hands and

123
00:04:09,270 --> 00:04:07,680
and get deployed and so we're excited

124
00:04:11,509 --> 00:04:09,280
about this flight uh certainly from a

125
00:04:12,789 --> 00:04:11,519
research standpoint too good deal all

126
00:04:14,309 --> 00:04:12,799
right well thank you

127
00:04:15,830 --> 00:04:14,319
one other thing let's talk about that

128
00:04:18,150 --> 00:04:15,840
contingency spacewalk that we've been

129
00:04:20,229 --> 00:04:18,160
talking about scheduled to take place on

130
00:04:22,390 --> 00:04:20,239
april 22nd

131
00:04:24,950 --> 00:04:22,400
and uh so explain is this to repair the

132
00:04:26,790 --> 00:04:24,960
mdm correct yeah what we'll do is we'll

133
00:04:29,510 --> 00:04:26,800
uh it's it's a relatively

134
00:04:31,830 --> 00:04:29,520
straightforward eva it's not too far the

135
00:04:33,430 --> 00:04:31,840
the path to get to the the point in the

136
00:04:35,749 --> 00:04:33,440
estero trust where we would install this

137
00:04:37,110 --> 00:04:35,759
mdm is relatively easy to get to outside

138
00:04:39,749 --> 00:04:37,120

the airlock we

139
00:04:41,749 --> 00:04:39,759
spent quite a bit of time this morning

140
00:04:43,590 --> 00:04:41,759
as an ops community talking through some

141
00:04:45,590 --> 00:04:43,600
of the the basics of what we're going to

142
00:04:48,550 --> 00:04:45,600
do and it looks look straight forward a

143
00:04:50,070 --> 00:04:48,560
couple hours to go out and do it

144
00:04:52,550 --> 00:04:50,080
one of the things that that we do have

145
00:04:54,230 --> 00:04:52,560
to do is get the the mdm built up that

146
00:04:57,270 --> 00:04:54,240
we need to take outside as the

147
00:04:59,270 --> 00:04:57,280
replacement unit and so getting that mdm

148
00:05:00,550 --> 00:04:59,280
in a good configuration

149
00:05:02,629 --> 00:05:00,560
before we go out the door is going to

150
00:05:03,990 --> 00:05:02,639
take some amount of time and so so the

151
00:05:05,670 --> 00:05:04,000
team will be working through that this

152
00:05:07,350 --> 00:05:05,680
week and and

153
00:05:09,590 --> 00:05:07,360
and putting the final details on what

154
00:05:11,270 --> 00:05:09,600
we'll do once we get out the hatch but

155
00:05:13,590 --> 00:05:11,280
also getting the mdm in a good

156
00:05:15,270 --> 00:05:13,600
configuration to be able to to install

157
00:05:17,590 --> 00:05:15,280
and know that that when we bring it up

158
00:05:20,150 --> 00:05:17,600
that it's going to run successfully okay

159
00:05:22,550 --> 00:05:20,160
sounds good well there's your update

160
00:05:24,790 --> 00:05:22,560
again uh today's launch is scheduled to

161
00:05:26,310 --> 00:05:24,800
take place at 3 58 pm central time we'll

162
00:05:28,629 --> 00:05:26,320
bring you live coverage here beginning

163
00:05:30,469 --> 00:05:28,639

at 2 45 p.m that is the latest with

164
00:05:32,070 --> 00:05:30,479
kenny todd thank you again for coming