

KSC PROGRAMS



Launch Services Program (LSP) Commercial Crew Program 21st Century Ground Systems Program (CGSP)

Launch Services Program (LSP) Commercial Crew Program



1
00:00:07,829 --> 00:00:01,829
from the office of us congresswoman

2
00:00:15,190 --> 00:00:09,589
representing the office of governor rick

3
00:00:21,349 --> 00:00:17,349
and also commissioner commissioner andy

4
00:00:33,910 --> 00:00:23,029
thank you all for taking the time to be

5
00:00:38,150 --> 00:00:35,990
thanks cheryl charlie bolton here uh

6
00:00:39,670 --> 00:00:38,160
he's been gracious enough to come up and

7
00:00:41,590 --> 00:00:39,680
share a few words with you also and

8
00:00:43,830 --> 00:00:41,600
today what's going on in washington

9
00:00:44,630 --> 00:00:43,840
we charted our future a couple years

10
00:00:47,190 --> 00:00:44,640
back

11
00:00:47,910 --> 00:00:47,200
and we've been working on it ever since

12
00:00:49,830 --> 00:00:47,920
and

13
00:00:51,830 --> 00:00:49,840

as we go through this talk this morning

14

00:00:52,950 --> 00:00:51,840

i think you'll see that everything we

15

00:00:55,189 --> 00:00:52,960

laid out

16

00:00:56,630 --> 00:00:55,199

is coming to fruition

17

00:00:59,430 --> 00:00:56,640

this visitor center is going to be

18

00:01:01,110 --> 00:00:59,440

changing in the next few years and it is

19

00:01:02,869 --> 00:01:01,120

going to be extremely positive i think

20

00:01:05,270 --> 00:01:02,879

you all know that not one

21

00:01:07,830 --> 00:01:05,280

penny of any appropriate dollar gets

22

00:01:09,429 --> 00:01:07,840

spent at the kennedy visitor center it

23

00:01:11,750 --> 00:01:09,439

is totally self-sustaining on the

24

00:01:14,310 --> 00:01:11,760

revenue that it brings in the facility

25

00:01:16,149 --> 00:01:14,320

will showcase not only the shuttle but

26

00:01:17,910 --> 00:01:16,159

the space station and all that we've

27

00:01:20,469 --> 00:01:17,920

accomplished with the shuttle for the

28

00:01:21,350 --> 00:01:20,479

last 30 years i think you're all going

29

00:01:23,510 --> 00:01:21,360

to be

30

00:01:26,070 --> 00:01:23,520

really pleased with what we have and it

31

00:01:27,910 --> 00:01:26,080

will rival anything anywhere and that is

32

00:01:31,109 --> 00:01:27,920

something our community can be extremely

33

00:01:32,950 --> 00:01:31,119

proud of actually bring work here at the

34

00:01:34,710 --> 00:01:32,960

kennedy space center and get those

35

00:01:36,469 --> 00:01:34,720

experiments up on

36

00:01:38,149 --> 00:01:36,479

the international space station bring

37

00:01:40,069 --> 00:01:38,159

researchers in

38

00:01:42,469 --> 00:01:40,079

paid for the access off space commerce

39

00:01:44,870 --> 00:01:42,479

way to exploration park and the space

40

00:01:46,389 --> 00:01:44,880

flight sciences lab eventually uh

41

00:01:47,830 --> 00:01:46,399

hopefully in the near future we're going

42

00:01:49,350 --> 00:01:47,840

to get the fence moved so that it's

43

00:01:51,350 --> 00:01:49,360

actually outside the pennsylvania

44

00:01:55,109 --> 00:01:51,360

kennedy space center soon i think we'll

45

00:01:57,429 --> 00:01:55,119

have an announcement on the use of our

46

00:01:59,910 --> 00:01:57,439

excess capacity here at ksc with one of

47

00:02:01,590 --> 00:01:59,920

our over processing facilities

48

00:02:03,590 --> 00:02:01,600

figure out how we could release some of

49

00:02:04,789 --> 00:02:03,600

these facilities earlier to make this

50

00:02:07,350 --> 00:02:04,799

happen

51
00:02:09,430 --> 00:02:07,360
we have plans for opf phase one and two

52
00:02:12,150 --> 00:02:09,440
with potential customers coming in there

53
00:02:14,150 --> 00:02:12,160
also make that have a world-class

54
00:02:15,670 --> 00:02:14,160
facility it's nicer than it was during

55
00:02:18,710 --> 00:02:15,680
the apollo program where the apollo

56
00:02:21,510 --> 00:02:18,720
capsules were processed and will compete

57
00:02:23,270 --> 00:02:21,520
those boosters to determine if it's more

58
00:02:25,830 --> 00:02:23,280
appropriate cost-effective than a liquid

59
00:02:28,229 --> 00:02:25,840
booster or continue with the solids

60
00:02:30,229 --> 00:02:28,239
but because it was not outfitted

61
00:02:32,309 --> 00:02:30,239
we didn't waste a penny on that we'll

62
00:02:34,229 --> 00:02:32,319
have to make some modifications to the

63
00:02:36,710 --> 00:02:34,239

base of it to accommodate

64

00:02:39,030 --> 00:02:36,720

not just the central core as it was for

65

00:02:40,630 --> 00:02:39,040

aries but those two uh solids on the

66

00:02:42,390 --> 00:02:40,640

side play exclusive and that's going to

67

00:02:44,790 --> 00:02:42,400

come up and talk about commercial space

68

00:02:45,830 --> 00:02:44,800

but you know we're going to do both all

69

00:02:47,350 --> 00:02:45,840

right

70

00:02:49,110 --> 00:02:47,360

we're going to have a heavy lift program

71

00:02:50,710 --> 00:02:49,120

that allows us to explore

72

00:02:52,630 --> 00:02:50,720

but we want to be launching up to our

73

00:02:54,150 --> 00:02:52,640

international space station we made

74

00:02:56,229 --> 00:02:54,160

great progress there with the four

75

00:02:58,550 --> 00:02:56,239

companies that we have on our commercial

76
00:03:00,390 --> 00:02:58,560
crew development program and i could go

77
00:03:03,270 --> 00:03:00,400
on and talk about it more about how it

78
00:03:05,750 --> 00:03:03,280
gets thunder satellites that can go

79
00:03:07,990 --> 00:03:05,760
rendezvous and refuel other uh

80
00:03:09,350 --> 00:03:08,000
satellites in space and that work is

81
00:03:11,670 --> 00:03:09,360
being done right here at the kennedy

82
00:03:14,149 --> 00:03:11,680
space center i think you know that

83
00:03:16,550 --> 00:03:14,159
that says a lot about the capabilities

84
00:03:18,229 --> 00:03:16,560
and the talent that we have here launch

85
00:03:20,790 --> 00:03:18,239
services

86
00:03:22,630 --> 00:03:20,800
commercial crew and 21st century ground

87
00:03:23,670 --> 00:03:22,640
ops ground project

88
00:03:26,470 --> 00:03:23,680

you're going to hear some great

89

00:03:28,789 --> 00:03:26,480

presentations from amanda and ed and

90

00:03:30,869 --> 00:03:28,799

pepper and and like bob i really want

91

00:03:33,190 --> 00:03:30,879

you to hear them talk about what we're

92

00:03:34,789 --> 00:03:33,200

doing we have two choices

93

00:03:36,470 --> 00:03:34,799

we can even embrace we can either

94

00:03:38,949 --> 00:03:36,480

embrace the future

95

00:03:41,990 --> 00:03:38,959

and make it as successful as we possibly

96

00:03:44,309 --> 00:03:42,000

can or we can suffer the consequences so

97

00:03:46,710 --> 00:03:44,319

we are blessed

98

00:03:47,750 --> 00:03:46,720

we have an opportunity to do great

99

00:03:52,470 --> 00:03:47,760

things here

100

00:03:57,030 --> 00:03:55,429

or not to agree passionately and that's

101
00:03:58,550 --> 00:03:57,040
about the future of this nation and our

102
00:04:00,550 --> 00:03:58,560
leadership in space

103
00:04:02,229 --> 00:04:00,560
and we could not have three greater

104
00:04:03,910 --> 00:04:02,239
leaders when it comes to the things

105
00:04:06,869 --> 00:04:03,920
about which we care

106
00:04:09,110 --> 00:04:06,879
the first time since 1972 that we've had

107
00:04:11,509 --> 00:04:09,120
two spacecraft orbiting the moon in

108
00:04:13,110 --> 00:04:11,519
formation coordinated and everything the

109
00:04:14,630 --> 00:04:13,120
granddaddy of them all i'd like to tell

110
00:04:16,229 --> 00:04:14,640
people it's going to be like you know

111
00:04:17,670 --> 00:04:16,239
they have big football games on

112
00:04:19,590 --> 00:04:17,680
thanksgiving weekend how many of you

113
00:04:21,509 --> 00:04:19,600

like football on thanksgiving weekend

114

00:04:24,070 --> 00:04:21,519

well the super bowl space is going to be

115

00:04:26,070 --> 00:04:24,080

right here on the day after thanksgiving

116

00:04:27,590 --> 00:04:26,080

and that's the launch of msl the mars

117

00:04:30,150 --> 00:04:27,600

science laboratory we've got a vehicle

118

00:04:32,230 --> 00:04:30,160

that's going to fly it down hover

119

00:04:34,310 --> 00:04:32,240

for a while the lander

120

00:04:37,030 --> 00:04:34,320

lower it by crane

121

00:04:38,870 --> 00:04:37,040

by a cable put it on the surface and

122

00:04:42,390 --> 00:04:38,880

then it's going to arrange the planet

123

00:04:45,030 --> 00:04:42,400

mars hundreds of meters a day not color

124

00:04:46,310 --> 00:04:45,040

you name it this is uh science fiction

125

00:04:47,909 --> 00:04:46,320

come to life

126
00:04:49,590 --> 00:04:47,919
and it's gonna happen and it's gonna

127
00:04:51,990 --> 00:04:49,600
start right here the day after

128
00:04:53,990 --> 00:04:52,000
thanksgiving so there are absolutely

129
00:04:56,150 --> 00:04:54,000
incredible things going on here and you

130
00:04:57,990 --> 00:04:56,160
need to enjoy them and be proud of them

131
00:04:59,350 --> 00:04:58,000
and take credit for it

132
00:05:01,350 --> 00:04:59,360
because you did

133
00:05:03,189 --> 00:05:01,360
and you make it possible you know

134
00:05:05,510 --> 00:05:03,199
encourage people to get interested in

135
00:05:07,670 --> 00:05:05,520
what you do down here and what you bring

136
00:05:09,110 --> 00:05:07,680
whether you're a support contractor or

137
00:05:11,670 --> 00:05:09,120
prime contractor on one of these

138
00:05:13,350 --> 00:05:11,680

vehicles you do great things so we get

139

00:05:14,790 --> 00:05:13,360

to see all the missions that charlie

140

00:05:16,469 --> 00:05:14,800

talked about here

141

00:05:18,710 --> 00:05:16,479

as they come through kennedy space

142

00:05:20,550 --> 00:05:18,720

center and we also continue to enhance

143

00:05:22,390 --> 00:05:20,560

the capabilities that we have and work

144

00:05:23,749 --> 00:05:22,400

closely with our customers in order to

145

00:05:26,070 --> 00:05:23,759

make sure that we're getting them what

146

00:05:27,510 --> 00:05:26,080

they need to get i think maybe for this

147

00:05:28,950 --> 00:05:27,520

group here is that

148

00:05:30,469 --> 00:05:28,960

you see on the side there something

149

00:05:32,230 --> 00:05:30,479

called alana

150

00:05:34,790 --> 00:05:32,240

that is a project we've had in work for

151
00:05:38,150 --> 00:05:34,800
about three years it's an educational

152
00:05:39,990 --> 00:05:38,160
initiative to launch a tiny little cubes

153
00:05:42,310 --> 00:05:40,000
about this large as well as earth

154
00:05:43,350 --> 00:05:42,320
science and some heliophysics missions

155
00:05:45,430 --> 00:05:43,360
we have one mission that i'll be

156
00:05:47,670 --> 00:05:45,440
launching out of the kwajalina toll here

157
00:05:49,670 --> 00:05:47,680
early next year commercial crew is a

158
00:05:52,070 --> 00:05:49,680
little closer to home

159
00:05:53,430 --> 00:05:52,080
our mission is uh to try to figure out

160
00:05:56,070 --> 00:05:53,440
how we're going to get

161
00:05:58,309 --> 00:05:56,080
humans americans and our partners into

162
00:06:00,309 --> 00:05:58,319
low-earth orbit i'll have some video of

163
00:06:02,309 --> 00:06:00,319

our first flights from kennedy space

164

00:06:03,670 --> 00:06:02,319

center over the space coast in which

165

00:06:05,029 --> 00:06:03,680

we'll be doing some test flights and

166

00:06:07,830 --> 00:06:05,039

then eventually going to international

167

00:06:09,909 --> 00:06:07,840

space station a little bit similar to

168

00:06:12,150 --> 00:06:09,919

how the lsp program works which will buy

169

00:06:13,909 --> 00:06:12,160

services that to get our crews the

170

00:06:15,990 --> 00:06:13,919

international space station

171

00:06:18,070 --> 00:06:16,000

expect test flights that have to go into

172

00:06:20,230 --> 00:06:18,080

orbit or test flights that are dealing

173

00:06:22,150 --> 00:06:20,240

with a board capabilities in which you

174

00:06:24,790 --> 00:06:22,160

might want to recover will probably be

175

00:06:25,590 --> 00:06:24,800

from the kennedy space center

176

00:06:27,670 --> 00:06:25,600

so

177

00:06:29,029 --> 00:06:27,680

i expect to see a number of demo and

178

00:06:31,830 --> 00:06:29,039

test flights

179

00:06:34,469 --> 00:06:31,840

through the space coast between the 2013

180

00:06:36,309 --> 00:06:34,479

2014 time frame especially in the 2015

181

00:06:38,790 --> 00:06:36,319

and 2016. the whole idea of the

182

00:06:40,309 --> 00:06:38,800

commercial crew for nasa is that we have

183

00:06:42,870 --> 00:06:40,319

to ensure that we're going to be safe

184

00:06:45,590 --> 00:06:42,880

enough to fly not only our

185

00:06:47,670 --> 00:06:45,600

crew but any real astronomer and any

186

00:06:49,749 --> 00:06:47,680

really space participant not just

187

00:06:52,230 --> 00:06:49,759

planning anymore about a year ago we

188

00:06:54,309 --> 00:06:52,240

became a forum program in which we then

189

00:06:56,390 --> 00:06:54,319

initiated our what we call our

190

00:06:58,469 --> 00:06:56,400

commercial crew development number two

191

00:07:00,430 --> 00:06:58,479

effort but in addition to that we've got

192

00:07:03,589 --> 00:07:00,440

a more daunting task which is to make

193

00:07:05,510 --> 00:07:03,599

the entire center of the capabilities go

194

00:07:07,270 --> 00:07:05,520

with it attractive to commercial

195

00:07:09,110 --> 00:07:07,280

industry and that's not just the

196

00:07:11,270 --> 00:07:09,120

commercial crew industry that ed spoke

197

00:07:13,029 --> 00:07:11,280

about that has a large range of

198

00:07:15,110 --> 00:07:13,039

commercial capabilities and we're going

199

00:07:16,710 --> 00:07:15,120

to use the assets on the center in order

200

00:07:18,950 --> 00:07:16,720

for us to be successful at it we're

201
00:07:22,070 --> 00:07:18,960
going to have to have to make the assets

202
00:07:23,830 --> 00:07:22,080
and the capabilities we have at ksc

203
00:07:26,150 --> 00:07:23,840
and attractive means affordable

204
00:07:28,309 --> 00:07:26,160
attractive means having a uh

205
00:07:31,270 --> 00:07:28,319
making sure launch availability is where

206
00:07:33,909 --> 00:07:31,280
it needs to be and multi-purpose that

207
00:07:36,230 --> 00:07:33,919
dav so it can use

208
00:07:37,110 --> 00:07:36,240
so it can operate more than one user out