



BECAUSE OF THE SPECIAL
INTEREST AND EFFORT OF
ELIHU ROOT
SECRETARY OF WAR,
CREATOR OF THE GENERAL
STAFF OF THE ARMY,
THIS BUILDING FOR THE ARMY
WAR COLLEGE WAS AUTHORIZED
BY ACT OF CONGRESS
JUNE 10, 1902 AND APRIL
1904.

1
00:00:00,080 --> 00:00:02,629
great

2
00:00:02,639 --> 00:00:05,910
wish i could be there

3
00:00:18,790 --> 00:00:08,230
well i'll be with you next week

4
00:00:21,670 --> 00:00:19,630
all set

5
00:00:25,029 --> 00:00:21,680
[Music]

6
00:00:29,349 --> 00:00:26,870
well allow me to welcome

7
00:00:31,029 --> 00:00:29,359
members of the president's cabinet and

8
00:00:33,190 --> 00:00:31,039
members of the

9
00:00:35,430 --> 00:00:33,200
national space council to the seventh

10
00:00:37,350 --> 00:00:35,440
meeting of the national space council

11
00:00:38,790 --> 00:00:37,360
and it's a particular pleasure to be

12
00:00:41,670 --> 00:00:38,800
back here

13
00:00:43,110 --> 00:00:41,680

at the washington headquarters of nasa

14

00:00:45,350 --> 00:00:43,120

and to be joined by the nasa

15

00:00:47,750 --> 00:00:45,360

administrator who is at

16

00:00:50,869 --> 00:00:47,760

in houston as we speak doing important

17

00:00:52,950 --> 00:00:50,879

preparations jim breidenstein is with us

18

00:00:55,430 --> 00:00:52,960

but to all who are gathered here today

19

00:00:56,470 --> 00:00:55,440

welcome to the launch america

20

00:00:59,189 --> 00:00:56,480

edition

21

00:01:01,590 --> 00:00:59,199

of the national space council

22

00:01:04,950 --> 00:01:01,600

we are one week in one day

23

00:01:07,910 --> 00:01:04,960

away from when america will return

24

00:01:10,630 --> 00:01:07,920

american astronauts on american rockets

25

00:01:13,109 --> 00:01:10,640

from american soil to space

26
00:01:13,990 --> 00:01:13,119
and it's an extraordinarily exciting

27
00:01:16,310 --> 00:01:14,000
time

28
00:01:17,830 --> 00:01:16,320
in the life of this program uh and i

29
00:01:19,670 --> 00:01:17,840
know i speak on behalf of the president

30
00:01:22,710 --> 00:01:19,680
of the united states when i

31
00:01:26,710 --> 00:01:22,720
when i express my appreciation uh

32
00:01:29,590 --> 00:01:26,720
jim to you to the entire nasa team

33
00:01:31,350 --> 00:01:29,600
my profound uh and humble admiration for

34
00:01:33,030 --> 00:01:31,360
the astronauts that we'll be speaking to

35
00:01:34,789 --> 00:01:33,040
in just a few moments

36
00:01:36,710 --> 00:01:34,799
uh who will be

37
00:01:39,270 --> 00:01:36,720
carrying american leadership back into

38
00:01:40,550 --> 00:01:39,280

space from american soil next week and

39

00:01:42,469 --> 00:01:40,560

and i know i speak for the president

40

00:01:45,109 --> 00:01:42,479

when i say how grateful we are

41

00:01:47,429 --> 00:01:45,119

for the long hours of work represented

42

00:01:49,429 --> 00:01:47,439

by the members of this administration of

43

00:01:50,710 --> 00:01:49,439

so many critical agencies and that has

44

00:01:52,630 --> 00:01:50,720

really

45

00:01:55,670 --> 00:01:52,640

put into practice president trump's

46

00:01:57,109 --> 00:01:55,680

vision for renewed american leadership

47

00:01:59,190 --> 00:01:57,119

in space

48

00:02:00,469 --> 00:01:59,200

i had the great privilege as i see

49

00:02:02,310 --> 00:02:00,479

general heighten

50

00:02:04,230 --> 00:02:02,320

with us vice chair of the joint chiefs

51
00:02:06,469 --> 00:02:04,240
of staff i had the great privilege of

52
00:02:09,190 --> 00:02:06,479
being at the air force academy not long

53
00:02:10,630 --> 00:02:09,200
ago when we we commissioned the very

54
00:02:12,949 --> 00:02:10,640
first class

55
00:02:14,470 --> 00:02:12,959
of officers to the united states space

56
00:02:16,869 --> 00:02:14,480
force

57
00:02:18,470 --> 00:02:16,879
and that combined with the return of

58
00:02:20,550 --> 00:02:18,480
american

59
00:02:23,270 --> 00:02:20,560
leadership in human space exploration

60
00:02:25,350 --> 00:02:23,280
this is an extraordinarily exciting time

61
00:02:27,110 --> 00:02:25,360
and it comes at an important time in the

62
00:02:30,229 --> 00:02:27,120
life of our nation

63
00:02:31,910 --> 00:02:30,239

we find ourselves over the last

64

00:02:33,430 --> 00:02:31,920

many months dealing with an

65

00:02:35,589 --> 00:02:33,440

unprecedented

66

00:02:37,270 --> 00:02:35,599

pandemic but we've seen the american

67

00:02:38,229 --> 00:02:37,280

people respond from our health care

68

00:02:40,229 --> 00:02:38,239

workers

69

00:02:42,150 --> 00:02:40,239

to first responders

70

00:02:43,430 --> 00:02:42,160

to leadership at every level across the

71

00:02:45,030 --> 00:02:43,440

country

72

00:02:47,030 --> 00:02:45,040

we have stepped forward and met this

73

00:02:49,990 --> 00:02:47,040

moment as a nation

74

00:02:52,550 --> 00:02:50,000

but now as of today when all 50 states

75

00:02:54,710 --> 00:02:52,560

are in some measure beginning to reopen

76

00:02:56,070 --> 00:02:54,720

when we see encouraging signs of

77

00:02:58,309 --> 00:02:56,080

beginning

78

00:03:00,710 --> 00:02:58,319

to put the heartbreaking

79

00:03:02,710 --> 00:03:00,720

losses

80

00:03:05,430 --> 00:03:02,720

that we've experienced

81

00:03:08,149 --> 00:03:05,440

and uh and the case numbers

82

00:03:10,470 --> 00:03:08,159

declining uh that uh

83

00:03:11,990 --> 00:03:10,480

it it's it's a time of great hope and a

84

00:03:13,910 --> 00:03:12,000

great encouragement even the news

85

00:03:15,190 --> 00:03:13,920

yesterday of a promising new vaccine

86

00:03:17,110 --> 00:03:15,200

being developed

87

00:03:18,710 --> 00:03:17,120

is uh giving hope to the american people

88

00:03:20,070 --> 00:03:18,720

that we'll get through this

89

00:03:21,350 --> 00:03:20,080

and when the history of this time is

90

00:03:22,710 --> 00:03:21,360

written

91

00:03:25,430 --> 00:03:22,720

we'll record that we got through this

92

00:03:26,949 --> 00:03:25,440

together working together as americans

93

00:03:28,470 --> 00:03:26,959

under the leadership of this president

94

00:03:30,229 --> 00:03:28,480

and full partnership with all of our

95

00:03:31,589 --> 00:03:30,239

governors with a whole of government a

96

00:03:32,630 --> 00:03:31,599

whole of america approach we've

97

00:03:34,309 --> 00:03:32,640

responded

98

00:03:35,830 --> 00:03:34,319

but it seems to me all together fitting

99

00:03:38,789 --> 00:03:35,840

that

100

00:03:40,949 --> 00:03:38,799

as uh as the as the american people

101
00:03:43,750 --> 00:03:40,959
come every day closer to that day that

102
00:03:45,110 --> 00:03:43,760
we put the coronavirus epidemic in the

103
00:03:46,789 --> 00:03:45,120
past that we're approaching such an

104
00:03:49,270 --> 00:03:46,799
exciting time

105
00:03:51,270 --> 00:03:49,280
in the life of uh our nation whether it

106
00:03:52,949 --> 00:03:51,280
be the launch of the space force or

107
00:03:55,670 --> 00:03:52,959
whether it be the launch of american

108
00:03:58,830 --> 00:03:55,680
astronauts back to space next week uh

109
00:04:02,470 --> 00:03:58,840
this is exactly the kind of uh

110
00:04:04,630 --> 00:04:02,480
of leadership that has ever inspired our

111
00:04:05,990 --> 00:04:04,640
nation throughout my lifetime and i

112
00:04:08,470 --> 00:04:06,000
i know it's going to be a great

113
00:04:10,550 --> 00:04:08,480

inspiration but to the american people

114

00:04:14,550 --> 00:04:10,560

when we uh when we see those rockets

115

00:04:17,430 --> 00:04:14,560

fire next week i want to thank a special

116

00:04:19,590 --> 00:04:17,440

a special group all new members of the

117

00:04:21,990 --> 00:04:19,600

national space council who are with us

118

00:04:24,150 --> 00:04:22,000

secretary of energy dan brier the acting

119

00:04:26,469 --> 00:04:24,160

secretary of homeland security chad wolf

120

00:04:28,390 --> 00:04:26,479

the acting director of national

121

00:04:30,790 --> 00:04:28,400

intelligence rick grinnell

122

00:04:33,430 --> 00:04:30,800

uh and the new uh director of the

123

00:04:35,590 --> 00:04:33,440

president's domestic policy council

124

00:04:38,469 --> 00:04:35,600

brooke rollins we welcome you

125

00:04:40,629 --> 00:04:38,479

to the national space council and uh

126
00:04:43,030 --> 00:04:40,639
and are grateful to have your leadership

127
00:04:44,390 --> 00:04:43,040
today we're going to hear from uh

128
00:04:46,230 --> 00:04:44,400
other cabinet members that have played

129
00:04:48,550 --> 00:04:46,240
such a key role in the development and

130
00:04:50,469 --> 00:04:48,560
implementation of the president's vision

131
00:04:52,230 --> 00:04:50,479
uh for american leadership in space

132
00:04:53,909 --> 00:04:52,240
secretary chao and secretary ross are

133
00:04:56,150 --> 00:04:53,919
going to update us on the latest on

134
00:04:57,909 --> 00:04:56,160
regulatory reform measures that really

135
00:04:59,909 --> 00:04:57,919
catalyzed

136
00:05:02,790 --> 00:04:59,919
private and entrepreneurial development

137
00:05:05,670 --> 00:05:02,800
of space the secretary of the energy

138
00:05:06,790 --> 00:05:05,680

of energy uh dan briet is going to talk

139

00:05:09,909 --> 00:05:06,800

about how we're

140

00:05:11,510 --> 00:05:09,919

leveraging american energy in space uh

141

00:05:12,629 --> 00:05:11,520

jim breidenstein is going to give us a

142

00:05:15,270 --> 00:05:12,639

report on

143

00:05:17,430 --> 00:05:15,280

the progress of uh of not only launch

144

00:05:18,550 --> 00:05:17,440

america but also the artemis program

145

00:05:20,230 --> 00:05:18,560

which uh

146

00:05:20,950 --> 00:05:20,240

will put the

147

00:05:35,830 --> 00:05:20,960

the

148

00:05:37,830 --> 00:05:35,840

i'm also especially

149

00:05:40,310 --> 00:05:37,840

enthusiastic about

150

00:05:41,990 --> 00:05:40,320

about hearing from two extraordinarily

151

00:05:44,950 --> 00:05:42,000

courageous americans

152

00:05:46,629 --> 00:05:44,960

uh colonel robert bankin

153

00:05:48,870 --> 00:05:46,639

is going to be the joint operations

154

00:05:51,189 --> 00:05:48,880

commander for the mission

155

00:05:52,469 --> 00:05:51,199

that we'll take to the skies and take to

156

00:05:53,670 --> 00:05:52,479

the heavens

157

00:05:55,590 --> 00:05:53,680

next week

158

00:05:56,629 --> 00:05:55,600

we'll be speaking to him in just a few

159

00:05:58,790 --> 00:05:56,639

moments

160

00:06:00,390 --> 00:05:58,800

doug hurley will be the spacecraft

161

00:06:03,110 --> 00:06:00,400

commander as well and these two

162

00:06:05,749 --> 00:06:03,120

astronauts represent the best of america

163

00:06:08,950 --> 00:06:05,759

and uh and they will be

164

00:06:11,749 --> 00:06:08,960

renewing renewing american leadership in

165

00:06:13,029 --> 00:06:11,759

space from american soil and

166

00:06:14,629 --> 00:06:13,039

we're going to be very grateful to speak

167

00:06:18,230 --> 00:06:14,639

to them in the time

168

00:06:20,710 --> 00:06:18,240

that they have remaining today with that

169

00:06:22,230 --> 00:06:20,720

let me just uh thank all of you it's

170

00:06:23,990 --> 00:06:22,240

remarkable to think in three and a half

171

00:06:25,270 --> 00:06:24,000

short years america is leading in space

172

00:06:27,749 --> 00:06:25,280

once again

173

00:06:29,590 --> 00:06:27,759

uh with the launch of the space force

174

00:06:31,909 --> 00:06:29,600

we're seeing the security of our nation

175

00:06:34,230 --> 00:06:31,919

uh with the return next week

176

00:06:36,390 --> 00:06:34,240

uh of american astronauts to space on

177

00:06:39,110 --> 00:06:36,400

american rockets from american soil

178

00:06:41,830 --> 00:06:39,120

we're renewing our commitment uh to uh

179

00:06:44,629 --> 00:06:41,840

lead uh in the vast expanse of space

180

00:06:46,469 --> 00:06:44,639

every bit as much as america leads in

181

00:06:47,909 --> 00:06:46,479

the free world so thank you all very

182

00:06:50,070 --> 00:06:47,919

much for your great leadership and jim

183

00:06:51,430 --> 00:06:50,080

breidenstein uh share some opening

184

00:06:54,230 --> 00:06:51,440

comments and then i think we've got some

185

00:06:56,469 --> 00:06:54,240

astronauts to talk to

186

00:06:58,629 --> 00:06:56,479

yes sir in fact they would be here right

187

00:07:00,790 --> 00:06:58,639

now and they are going through some

188

00:07:03,670 --> 00:07:00,800

final medical treatment

189

00:07:05,909 --> 00:07:03,680

and as a matter of fact something is a

190

00:07:07,510 --> 00:07:05,919

code of typing testing

191

00:07:09,990 --> 00:07:07,520

so that kind of gives you

192

00:07:12,230 --> 00:07:10,000

a situation that we've been operating

193

00:07:14,790 --> 00:07:12,240

under during these days and while it's

194

00:07:16,790 --> 00:07:14,800

been difficult also important

195

00:07:18,950 --> 00:07:16,800

which is why we've been moving forward

196

00:07:21,189 --> 00:07:18,960

with alacrity

197

00:07:23,270 --> 00:07:21,199

i can tell you another important

198

00:07:25,909 --> 00:07:23,280

update that i just got it gave me a

199

00:07:28,830 --> 00:07:25,919

heavy heart to share it with you on but

200

00:07:32,390 --> 00:07:28,840

annie glenn the widow of john

201
00:07:35,430 --> 00:07:32,400
passaway um just to make maybe even this

202
00:07:37,110 --> 00:07:35,440
morning i just got the other day um

203
00:07:38,469 --> 00:07:37,120
the reason i bring that up is because

204
00:07:41,749 --> 00:07:38,479
it's a reminder

205
00:07:44,790 --> 00:07:41,759
of the the shoulders that we think about

206
00:07:47,909 --> 00:07:44,800
we think about the mercury program the

207
00:07:50,230 --> 00:07:47,919
gemini program the apollo program

208
00:07:52,230 --> 00:07:50,240
and and the history

209
00:07:53,430 --> 00:07:52,240
that that is behind us

210
00:07:55,990 --> 00:07:53,440
as you mentioned

211
00:07:57,270 --> 00:07:56,000
watch american astronauts on a brand new

212
00:07:59,749 --> 00:07:57,280
rocket

213
00:08:01,270 --> 00:07:59,759

this has happened in american history

214

00:08:03,909 --> 00:08:01,280

four times

215

00:08:06,469 --> 00:08:03,919

mercury gemini

216

00:08:09,830 --> 00:08:06,479

and now commercial pool i should say

217

00:08:12,309 --> 00:08:09,840

space pedal and now the fifth time

218

00:08:14,710 --> 00:08:12,319

so this is a historic moment and i look

219

00:08:17,110 --> 00:08:14,720

forward to bob and joining us as soon as

220

00:08:19,430 --> 00:08:17,120

they get done with their medical testing

221

00:08:22,070 --> 00:08:19,440

uh in the meantime sir you're absolutely

222

00:08:23,990 --> 00:08:22,080

right um we're going back to communion

223

00:08:26,550 --> 00:08:24,000

we're going sustainably we're following

224

00:08:27,350 --> 00:08:26,560

the president's space policy directive

225

00:08:31,270 --> 00:08:27,360

month

226

00:08:33,670 --> 00:08:31,280

um as you announced just over a year ago

227

00:08:36,790 --> 00:08:33,680

the next man but the first woman to the

228

00:08:38,870 --> 00:08:36,800

south pole of moon by 2024

229

00:08:41,829 --> 00:08:38,880

and we have been moving forward very

230

00:08:43,589 --> 00:08:41,839

rapidly with g5 and state

231

00:08:45,269 --> 00:08:43,599

um and i'll just go through the

232

00:08:49,030 --> 00:08:45,279

different elements of that

233

00:08:52,710 --> 00:08:49,040

where we've been making great progress

234

00:08:54,790 --> 00:08:52,720

we all know that sls is a rocket program

235

00:08:57,350 --> 00:08:54,800

that has been met with challenges and

236

00:08:58,550 --> 00:08:57,360

delays and cost overruns but i want to

237

00:09:01,190 --> 00:08:58,560

be clear

238

00:09:05,030 --> 00:09:01,200

we are very happy right now at nashville

239

00:09:07,350 --> 00:09:05,040

that the fls course page is complete

240

00:09:10,070 --> 00:09:07,360

i want to say that again sir

241

00:09:13,269 --> 00:09:10,080

the sls core date is complete and all

242

00:09:16,070 --> 00:09:13,279

four rf-25 engines have been integrated

243

00:09:18,230 --> 00:09:16,080

it is now assembled at the tennis space

244

00:09:20,550 --> 00:09:18,240

center in mississippi and it will be

245

00:09:23,350 --> 00:09:20,560

going through a green run test

246

00:09:26,230 --> 00:09:23,360

this summer and the fall

247

00:09:27,910 --> 00:09:26,240

i will tell you um we we would be

248

00:09:29,509 --> 00:09:27,920

complete with the grain run by the end

249

00:09:31,350 --> 00:09:29,519

of the summer if it wasn't for the

250

00:09:33,509 --> 00:09:31,360

proto-virus which

251
00:09:35,110 --> 00:09:33,519
set us back we had enough voltage at the

252
00:09:36,949 --> 00:09:35,120
stennis space center

253
00:09:39,269 --> 00:09:36,959
but i'll tell you we're in flight state

254
00:09:41,350 --> 00:09:39,279
there the sls rocket is looking very

255
00:09:42,230 --> 00:09:41,360
positive and we're going to be ready to

256
00:09:44,870 --> 00:09:42,240
launch

257
00:09:47,030 --> 00:09:44,880
the orion crew capital around the moon

258
00:09:48,870 --> 00:09:47,040
in 2021

259
00:09:51,030 --> 00:09:48,880
it's hard to it's hard to hold

260
00:09:56,070 --> 00:09:54,150
by the end of 2021 having a food capsule

261
00:09:57,670 --> 00:09:56,080
around the moon for two times since the

262
00:10:00,310 --> 00:09:57,680
apollo program

263
00:10:02,949 --> 00:10:00,320

um so i want to be clear the orion

264

00:10:04,710 --> 00:10:02,959

capital is also complete also the

265

00:10:06,870 --> 00:10:04,720

european service module which is of

266

00:10:08,949 --> 00:10:06,880

course the propulsion and the life

267

00:10:10,790 --> 00:10:08,959

support capabilities for the environment

268

00:10:12,790 --> 00:10:10,800

capital it's complete they've been

269

00:10:15,509 --> 00:10:12,800

integrated we've sent them up to

270

00:10:18,550 --> 00:10:15,519

plumbrook this is part of the glenn

271

00:10:20,389 --> 00:10:18,560

research center up in ohio it i think

272

00:10:21,509 --> 00:10:20,399

came back amazing

273

00:10:23,670 --> 00:10:21,519

uh they

274

00:10:26,870 --> 00:10:23,680

i was kind of shocked with how little

275

00:10:29,430 --> 00:10:26,880

problems we've had with the orion

276

00:10:31,829 --> 00:10:29,440

and i'm knocking on loading this

277

00:10:35,430 --> 00:10:31,839

um the orion crew capsule is back at

278

00:10:38,389 --> 00:10:35,440

kennedy and it is waiting for slf rocket

279

00:10:39,750 --> 00:10:38,399

to turn it where it will be mated

280

00:10:43,350 --> 00:10:39,760

and then launch

281

00:10:44,389 --> 00:10:43,360

in 2021 towards the end of 2021 around

282

00:10:46,710 --> 00:10:44,399

the year

283

00:10:49,430 --> 00:10:46,720

um in the meantime we continue to

284

00:10:51,430 --> 00:10:49,440

develop the gateway which is how we make

285

00:10:54,310 --> 00:10:51,440

sure that our landing systems on the

286

00:10:56,470 --> 00:10:54,320

moon are sustainable we need reusable

287

00:10:58,550 --> 00:10:56,480

landings we need to be able to go back

288

00:11:00,870 --> 00:10:58,560

and forth between the gateway

289

00:11:02,150 --> 00:11:00,880

which is a small bait station in orbit

290

00:11:04,470 --> 00:11:02,160

around the minute

291

00:11:06,150 --> 00:11:04,480

and the surface over and over again if

292

00:11:08,470 --> 00:11:06,160

we make those landers

293

00:11:10,389 --> 00:11:08,480

we'll have a sustainable program where

294

00:11:11,430 --> 00:11:10,399

we will be able to have aftermath on the

295

00:11:13,350 --> 00:11:11,440

surface

296

00:11:15,910 --> 00:11:13,360

for long periods of time and we will be

297

00:11:17,269 --> 00:11:15,920

able to access any part of the moon at

298

00:11:20,230 --> 00:11:17,279

any time

299

00:11:20,949 --> 00:11:20,240

for a strategic objective of this nation

300

00:11:23,509 --> 00:11:20,959

so

301
00:11:25,030 --> 00:11:23,519
these are important capabilities the

302
00:11:26,829 --> 00:11:25,040
power and propulsion equipment to the

303
00:11:29,590 --> 00:11:26,839
gateway is under contract being

304
00:11:32,389 --> 00:11:29,600
developed um a small habitation module

305
00:11:34,389 --> 00:11:32,399
we call it info is also being developed

306
00:11:37,509 --> 00:11:34,399
those two elements are going to be mated

307
00:11:38,790 --> 00:11:37,519
by 2023 and launched into orbit around

308
00:11:41,509 --> 00:11:38,800
the moon

309
00:11:44,630 --> 00:11:41,519
establishing owl outposts

310
00:11:46,710 --> 00:11:44,640
around the moon by 2023.

311
00:11:48,790 --> 00:11:46,720
we also have international partners that

312
00:11:51,030 --> 00:11:48,800
are very excited about the gateway and

313
00:11:53,350 --> 00:11:51,040

you know the japanese faith agency the

314

00:11:55,990 --> 00:11:53,360

european space agency the canadian space

315

00:11:58,470 --> 00:11:56,000

agency are all excited about building

316

00:12:00,629 --> 00:11:58,480

elements on that gateway

317

00:12:02,949 --> 00:12:00,639

for long-term

318

00:12:04,870 --> 00:12:02,959

human capability in orbit around the

319

00:12:08,150 --> 00:12:04,880

moon

320

00:12:11,750 --> 00:12:08,160

i would also say in order to achieve

321

00:12:13,910 --> 00:12:11,760

this monumental moment of funding a free

322

00:12:17,030 --> 00:12:13,920

capital down the moon by next year we

323

00:12:18,710 --> 00:12:17,040

have to have long cab 39 ready to go

324

00:12:21,190 --> 00:12:18,720

launch pad 39

325

00:12:22,550 --> 00:12:21,200

has its history apollo and the space

326

00:12:25,190 --> 00:12:22,560

shuttle program

327

00:12:29,910 --> 00:12:28,710

um and so we're very excited about this

328

00:12:31,910 --> 00:12:29,920

program

329

00:12:33,030 --> 00:12:31,920

i i think it's also important to note

330

00:12:35,750 --> 00:12:33,040

that we have

331

00:12:37,430 --> 00:12:35,760

um an extra vehicular mobility unit

332

00:12:39,030 --> 00:12:37,440

sometimes called a spacesuit that we

333

00:12:41,350 --> 00:12:39,040

have now designed here at the johnson

334

00:12:42,949 --> 00:12:41,360

space center we've designed it so that

335

00:12:44,310 --> 00:12:42,959

we can walk on the surface of the moon

336

00:12:45,990 --> 00:12:44,320

which is very different than doing

337

00:12:48,790 --> 00:12:46,000

spacewalks with the international space

338

00:12:50,550 --> 00:12:48,800

station we've got dust issues we've got

339

00:12:53,990 --> 00:12:50,560

thermal issues

340

00:12:55,829 --> 00:12:54,000

and and we have a food that is um i

341

00:12:56,870 --> 00:12:55,839

wouldn't say it's ready to go grime

342

00:12:59,190 --> 00:12:56,880

ornaments are

343

00:13:02,150 --> 00:12:59,200

almost there and by 2024 we will be

344

00:13:05,590 --> 00:13:02,160

ready to walk on the surface of the moon

345

00:13:08,710 --> 00:13:05,600

uh we also as you're aware announced um

346

00:13:10,150 --> 00:13:08,720

we had a graduation ceremony for 11 new

347

00:13:12,069 --> 00:13:10,160

astronauts

348

00:13:14,470 --> 00:13:12,079

um these are the best that america has

349

00:13:16,710 --> 00:13:14,480

to offer i know that you've looked over

350

00:13:18,389 --> 00:13:16,720

there by the before they were there when

351

00:13:19,990 --> 00:13:18,399

their class started

352

00:13:21,750 --> 00:13:20,000

they called themselves the turtle

353

00:13:24,550 --> 00:13:21,760

because of the story you told when they

354

00:13:25,750 --> 00:13:24,560

first came in into the astronaut

355

00:13:26,870 --> 00:13:25,760

as as

356

00:13:28,629 --> 00:13:26,880

candidates

357

00:13:31,990 --> 00:13:28,639

um but i will tell you that they have

358

00:13:35,110 --> 00:13:32,000

not graduated there's a test um and we

359

00:13:36,790 --> 00:13:35,120

we actually put out all doing it

360

00:13:39,030 --> 00:13:36,800

for for a new action

361

00:13:41,910 --> 00:13:39,040

we had 12 000

362

00:13:44,629 --> 00:13:41,920

astronauts um applicants

363

00:13:47,430 --> 00:13:44,639

so this is a a demonstration of how

364

00:13:49,910 --> 00:13:47,440

inspiring nasa the nation

365

00:13:51,829 --> 00:13:49,920

uh and and certainly

366

00:13:54,389 --> 00:13:51,839

i think it's important though

367

00:13:56,710 --> 00:13:54,399

we put the requirements on the astronaut

368

00:13:57,910 --> 00:13:56,720

candidates um higher than they've ever

369

00:13:59,590 --> 00:13:57,920

been before

370

00:14:02,389 --> 00:13:59,600

um and yet we've still got twelve

371

00:14:04,790 --> 00:14:02,399

thousand applicants so the moon program

372

00:14:07,350 --> 00:14:04,800

is underway it's going to ask what we'll

373

00:14:08,310 --> 00:14:07,360

also first do we've got the commercial

374

00:14:09,350 --> 00:14:08,320

payload

375

00:14:11,110 --> 00:14:09,360

program

376

00:14:12,389 --> 00:14:11,120

next year we're going to launch

377

00:14:14,310 --> 00:14:12,399

the commercial

378

00:14:17,110 --> 00:14:14,320

lander to the surf moon i'm talking

379

00:14:19,509 --> 00:14:17,120

about for scientific capabilities uh

380

00:14:22,310 --> 00:14:19,519

nasa has the payload ready to go we've

381

00:14:24,150 --> 00:14:22,320

got a number of contractors that can

382

00:14:26,949 --> 00:14:24,160

land on the moon emotionally with a

383

00:14:29,670 --> 00:14:26,959

small lander and we're gonna do that for

384

00:14:31,829 --> 00:14:29,680

the first time in 2021

385

00:14:33,990 --> 00:14:31,839

the the artemis program

386

00:14:36,310 --> 00:14:34,000

named it artemis because artemis is the

387

00:14:39,990 --> 00:14:36,320

twin sister of apollo

388

00:14:42,230 --> 00:14:40,000

in greek mythology um is stronger we are

389

00:14:44,310 --> 00:14:42,240

so grateful to the leadership of the

390

00:14:45,829 --> 00:14:44,320

chairman of the national space council

391

00:14:48,389 --> 00:14:45,839

making sure that we have the

392

00:14:50,949 --> 00:14:48,399

necessary to achieve these milestones

393

00:14:53,189 --> 00:14:50,959

um but you know

394

00:14:56,710 --> 00:14:53,199

when we talk about the program

395

00:14:58,150 --> 00:14:56,720

you know that is that is

396

00:14:59,590 --> 00:14:58,160

really the starting point for an

397

00:15:01,350 --> 00:14:59,600

attorney tomorrow's

398

00:15:03,509 --> 00:15:01,360

long-term goal

399

00:15:05,509 --> 00:15:03,519

but immediately

400

00:15:08,150 --> 00:15:05,519

just a few minutes ago we are launching

401
00:15:10,470 --> 00:15:08,160
american astronauts on american walk

402
00:15:12,150 --> 00:15:10,480
to the international participation for

403
00:15:14,310 --> 00:15:12,160
the first time it's came into the

404
00:15:16,790 --> 00:15:14,320
shuttle back in 2011

405
00:15:18,629 --> 00:15:16,800
um we have now for nine years without a

406
00:15:21,430 --> 00:15:18,639
human's basement program

407
00:15:25,030 --> 00:15:21,440
and in fact the space pocket directly

408
00:15:27,509 --> 00:15:25,040
run being without a moon program

409
00:15:29,990 --> 00:15:27,519
in the meantime china and others around

410
00:15:32,230 --> 00:15:30,000
the world are going to the moon uh very

411
00:15:34,389 --> 00:15:32,240
quickly but we're coming back we'll put

412
00:15:35,430 --> 00:15:34,399
them all fast we've got everything we

413
00:15:36,870 --> 00:15:35,440

need

414

00:15:38,629 --> 00:15:36,880

to lead the world

415

00:15:39,990 --> 00:15:38,639

and our international partners coming

416

00:15:41,189 --> 00:15:40,000

back and wanting

417

00:15:43,990 --> 00:15:41,199

these efforts

418

00:15:45,430 --> 00:15:44,000

um but in order to get

419

00:15:47,509 --> 00:15:45,440

we first have to be able to walk

420

00:15:50,949 --> 00:15:47,519

american astronauts on america

421

00:15:52,629 --> 00:15:50,959

of course the commercial crew program is

422

00:15:54,550 --> 00:15:52,639

the

423

00:15:56,550 --> 00:15:54,560

standard for how

424

00:15:59,509 --> 00:15:56,560

low earth orbit future

425

00:16:01,749 --> 00:15:59,519

and we uh have two amazing americans

426
00:16:05,749 --> 00:16:01,759
with them right now um i just got hope

427
00:16:07,910 --> 00:16:05,759
that they now i am out of their testing

428
00:16:11,189 --> 00:16:07,920
and they are with us i'd like to

429
00:16:14,310 --> 00:16:11,199
introduce chuck early and paul

430
00:16:15,990 --> 00:16:14,320
i want to i wanted to take you know this

431
00:16:17,189 --> 00:16:16,000
these are veterans of the faithful

432
00:16:19,030 --> 00:16:17,199
program

433
00:16:20,949 --> 00:16:19,040
they've flown numer each of them

434
00:16:24,069 --> 00:16:20,959
numerous times it's based on the space

435
00:16:27,590 --> 00:16:24,079
shuttle to the international

436
00:16:29,350 --> 00:16:27,600
um and of course if you look there by

437
00:16:30,550 --> 00:16:29,360
an engineer from

438
00:16:32,550 --> 00:16:30,560

uh

439

00:16:33,590 --> 00:16:32,560

in the marine corps and we're looking at

440

00:16:48,790 --> 00:16:33,600

a

441

00:16:50,629 --> 00:16:48,800

the very first time we're belonging to

442

00:16:52,710 --> 00:16:50,639

american astronauts on a commercial

443

00:16:53,829 --> 00:16:52,720

vehicle this time

444

00:16:56,310 --> 00:16:53,839

a a

445

00:16:58,550 --> 00:16:56,320

9 rocket with a

446

00:16:59,749 --> 00:16:58,560

dragon crew capsule and they're going to

447

00:17:01,990 --> 00:16:59,759

they're going to they're going to carry

448

00:17:09,829 --> 00:17:02,000

the american flag to the international

449

00:17:15,350 --> 00:17:11,909

well thank you very much jim uh thanks

450

00:17:17,510 --> 00:17:15,360

for that uh uh very thorough and

451
00:17:18,789 --> 00:17:17,520
informative uh review

452
00:17:23,429 --> 00:17:18,799
of

453
00:17:24,870 --> 00:17:23,439
here at nasa i know president trump is

454
00:17:26,710 --> 00:17:24,880
grateful for all

455
00:17:28,710 --> 00:17:26,720
of your efforts all of the efforts of

456
00:17:30,310 --> 00:17:28,720
the nasa team that's looking on and

457
00:17:33,029 --> 00:17:30,320
we're incredibly proud

458
00:17:35,590 --> 00:17:33,039
of the timetable that you're on and uh

459
00:17:37,669 --> 00:17:35,600
and what a privilege it is um

460
00:17:39,510 --> 00:17:37,679
to convene the national space council

461
00:17:40,789 --> 00:17:39,520
and have an opportunity at the dawn of a

462
00:17:44,230 --> 00:17:40,799
new era

463
00:17:48,549 --> 00:17:44,240

of uh american leadership in space uh to

464

00:17:51,270 --> 00:17:48,559

be joined by uh two nasa astronauts two

465

00:17:52,070 --> 00:17:51,280

very experienced uh nasa astronauts who

466

00:17:54,390 --> 00:17:52,080

will be

467

00:17:57,430 --> 00:17:54,400

returning to space next week uh on

468

00:18:00,470 --> 00:17:57,440

american rockets from american soil and

469

00:18:03,270 --> 00:18:00,480

uh let me formally welcome colonel

470

00:18:05,909 --> 00:18:03,280

robert banken uh and uh and colonel

471

00:18:07,270 --> 00:18:05,919

douglas hurley and uh on behalf of the

472

00:18:08,950 --> 00:18:07,280

president of the united states and on

473

00:18:10,310 --> 00:18:08,960

behalf of the american people thank you

474

00:18:12,870 --> 00:18:10,320

for your

475

00:18:14,470 --> 00:18:12,880

long service to this nation uh thank you

476

00:18:17,190 --> 00:18:14,480

for your incredible

477

00:18:20,470 --> 00:18:17,200

uh leadership uh in nasa and thank you

478

00:18:22,549 --> 00:18:20,480

for stepping forward uh one more time um

479

00:18:25,669 --> 00:18:22,559

and uh welcome welcome to this meeting

480

00:18:26,390 --> 00:18:25,679

of the national space council now by way

481

00:18:30,150 --> 00:18:26,400

of

482

00:18:32,070 --> 00:18:30,160

say that uh

483

00:18:34,310 --> 00:18:32,080

colonel bankin is going to be the joint

484

00:18:37,029 --> 00:18:34,320

operations commander for the mission

485

00:18:39,430 --> 00:18:37,039

uh responsible for uh all the uh

486

00:18:41,909 --> 00:18:39,440

rendezvousing docking and undocking

487

00:18:44,710 --> 00:18:41,919

uh native of missouri been a nasa

488

00:18:46,950 --> 00:18:44,720

astronaut since 2000 but before that he

489

00:18:48,390 --> 00:18:46,960

was a flight test engineer general

490

00:18:51,029 --> 00:18:48,400

in the united states

491

00:18:53,590 --> 00:18:51,039

air force colonel hurley is going to be

492

00:18:56,150 --> 00:18:53,600

the spacecraft commander

493

00:18:58,310 --> 00:18:56,160

for demo 2 responsible for activities

494

00:18:59,909 --> 00:18:58,320

launch landing recovery

495

00:19:01,750 --> 00:18:59,919

native of

496

00:19:03,750 --> 00:19:01,760

appalachian new york

497

00:19:06,150 --> 00:19:03,760

selected as a nasa astronaut in the same

498

00:19:08,470 --> 00:19:06,160

year as his counterpart

499

00:19:09,990 --> 00:19:08,480

12 years into his nasa career colonel

500

00:19:12,150 --> 00:19:10,000

hurley retired from the united states

501
00:19:13,590 --> 00:19:12,160
marine corps where he proudly served as

502
00:19:15,990 --> 00:19:13,600
a fighter pilot

503
00:19:17,590 --> 00:19:16,000
and a test pilot for more than 24 years

504
00:19:18,549 --> 00:19:17,600
and uh colonel hurley i will tell you

505
00:19:27,669 --> 00:19:18,559
that

506
00:19:29,590 --> 00:19:27,679
to speak to you today um he really will

507
00:19:31,430 --> 00:19:29,600
uh each of these men have completed two

508
00:19:32,710 --> 00:19:31,440
space flights aboard the space shuttle

509
00:19:34,470 --> 00:19:32,720
and a blog more than thirteen hundred

510
00:19:35,909 --> 00:19:34,480
hours in space six thousand hours of

511
00:19:37,029 --> 00:19:35,919
training they've been through rigorous

512
00:19:39,830 --> 00:19:37,039
preparation

513
00:19:42,710 --> 00:19:39,840

for next week's launch and

514

00:19:45,590 --> 00:19:42,720

let me let me just recognize uh let me

515

00:19:47,430 --> 00:19:45,600

just recognize you uh colonel bankin uh

516

00:19:49,909 --> 00:19:47,440

and afterwards so we'll get some

517

00:19:51,669 --> 00:19:49,919

comments from colonel hurley but

518

00:19:54,549 --> 00:19:51,679

thank you for being with us today i know

519

00:19:55,750 --> 00:19:54,559

it is a very very busy time uh but uh

520

00:19:58,549 --> 00:19:55,760

we're we're really honored to have a

521

00:20:00,630 --> 00:19:58,559

chance to speak to you for a few minutes

522

00:20:03,190 --> 00:20:00,640

colonel

523

00:20:18,870 --> 00:20:03,200

yes your first

524

00:20:22,070 --> 00:20:19,909

vision

525

00:20:24,070 --> 00:20:22,080

launch america again

526

00:20:26,230 --> 00:20:24,080

pretty excited so long

527

00:20:28,310 --> 00:20:26,240

from 39 alpha

528

00:20:31,510 --> 00:20:28,320

and i have launched from that facility

529

00:20:33,990 --> 00:20:31,520

before so it's really exciting

530

00:20:36,310 --> 00:20:34,000

to bring it home again

531

00:20:38,070 --> 00:20:36,320

doug and i have both spent here in the

532

00:20:41,350 --> 00:20:38,080

astronaut office

533

00:20:44,149 --> 00:20:41,360

moving through the process of watching

534

00:20:46,230 --> 00:20:44,159

american astronauts

535

00:21:00,950 --> 00:20:46,240

and we are really excited that the

536

00:21:05,190 --> 00:21:03,430

press forward with this initiative uh in

537

00:21:07,750 --> 00:21:05,200

the face of the challenge

538

00:21:10,549 --> 00:21:07,760

in copenhagen 19th century

539

00:21:12,950 --> 00:21:10,559

and we're both uh really excited and uh

540

00:21:14,070 --> 00:21:12,960

prepared to pull this off and bring it

541

00:21:16,390 --> 00:21:14,080

back home

542

00:21:17,190 --> 00:21:16,400

but i'll pass it over to

543

00:21:20,390 --> 00:21:17,200

our

544

00:21:22,549 --> 00:21:20,400

mission commander or spacecraft

545

00:21:24,070 --> 00:21:22,559

thank you robert great words very

546

00:21:26,149 --> 00:21:24,080

inspiring

547

00:21:27,510 --> 00:21:26,159

go ahead carl

548

00:21:28,710 --> 00:21:27,520

it's great to talk to you mr vice

549

00:21:35,590 --> 00:21:28,720

president

550

00:21:41,350 --> 00:21:37,750

the amount of hands

551
00:21:55,909 --> 00:21:41,360
touch this vehicle from start to finish

552
00:21:55,919 --> 00:21:59,029
incredibly

553
00:22:03,350 --> 00:22:01,350
you know as bob mentioned

554
00:22:05,990 --> 00:22:03,360
the challenges of the last

555
00:22:08,710 --> 00:22:06,000
entire world the united states and how

556
00:22:10,789 --> 00:22:08,720
the foods have come together during the

557
00:22:13,029 --> 00:22:10,799
pandemic

558
00:22:15,750 --> 00:22:13,039
so to get us to the point where

559
00:22:18,710 --> 00:22:15,760
workforce has just been uh

560
00:22:21,190 --> 00:22:18,720
firing and i hope that it's great uh

561
00:22:22,390 --> 00:22:21,200
respect for what we're closely done to

562
00:22:24,630 --> 00:22:22,400
this point

563
00:22:33,669 --> 00:22:24,640

it's a real honor to just be a

564

00:22:40,230 --> 00:22:36,710

and thank you and uh it it really is a

565

00:22:42,470 --> 00:22:40,240

testament uh to all of you and uh as you

566

00:22:44,549 --> 00:22:42,480

said all the hands in this program uh

567

00:22:46,549 --> 00:22:44,559

that even in the midst of a national

568

00:22:49,669 --> 00:22:46,559

crisis nasa stayed

569

00:22:51,909 --> 00:22:49,679

on mission and kept doing the work and i

570

00:22:53,510 --> 00:22:51,919

i have to tell you that uh it's gonna be

571

00:22:56,870 --> 00:22:53,520

a great inspiration to the country next

572

00:22:59,430 --> 00:22:56,880

week to see you two go aloft uh from the

573

00:23:01,990 --> 00:22:59,440

kennedy space center doug you were i'm

574

00:23:03,430 --> 00:23:02,000

told if i got my my facts right here you

575

00:23:04,470 --> 00:23:03,440

were on the final

576

00:23:06,390 --> 00:23:04,480

uh

577

00:23:08,710 --> 00:23:06,400

space shuttle mission

578

00:23:11,750 --> 00:23:08,720

and uh this is going to be a little bit

579

00:23:13,029 --> 00:23:11,760

uh different uh i'd i'd love

580

00:23:14,710 --> 00:23:13,039

i'd love for you to share with the

581

00:23:16,310 --> 00:23:14,720

national space council and to those

582

00:23:17,909 --> 00:23:16,320

looking on

583

00:23:19,830 --> 00:23:17,919

what is it what does it mean to you to

584

00:23:23,350 --> 00:23:19,840

be going back to space from american

585

00:23:24,950 --> 00:23:23,360

soil after nearly 10 years

586

00:23:27,110 --> 00:23:24,960

and

587

00:23:28,470 --> 00:23:27,120

since we uh since we ended the space

588

00:23:31,590 --> 00:23:28,480

shuttle program

589

00:23:34,149 --> 00:23:31,600

uh number two did you expect us to be

590

00:23:36,630 --> 00:23:34,159

headed back to space and uh number three

591

00:23:38,310 --> 00:23:36,640

how how different uh how different is

592

00:23:41,830 --> 00:23:38,320

this experience

593

00:23:44,149 --> 00:23:41,840

uh in uh in training and uh

594

00:23:46,549 --> 00:23:44,159

and in the uh and in the rocket itself

595

00:23:48,230 --> 00:23:46,559

the spacecraft uh from uh from the

596

00:23:51,110 --> 00:23:48,240

shuttle mission whatever you want to

597

00:23:53,510 --> 00:23:51,120

reflect

598

00:23:54,470 --> 00:23:53,520

yeah i appreciate that sir

599

00:24:00,950 --> 00:23:54,480

the

600

00:24:01,750 --> 00:24:00,960

public flight

601
00:24:05,510 --> 00:24:01,760
um

602
00:24:07,510 --> 00:24:05,520
just 30 years of history

603
00:24:11,029 --> 00:24:07,520
the right day

604
00:24:13,909 --> 00:24:11,039
was just a awful experience for her and

605
00:24:15,590 --> 00:24:13,919
uh great to share with her

606
00:24:17,990 --> 00:24:15,600
of course

607
00:24:22,710 --> 00:24:18,000
folks that were involved with for so

608
00:24:29,110 --> 00:24:26,470
you know the last uh plus years has been

609
00:24:52,390 --> 00:24:29,120
a lot of work and luck

610
00:24:57,269 --> 00:24:54,710
i think bob will uh

611
00:25:01,029 --> 00:24:57,279
certainly agree with me that

612
00:25:03,269 --> 00:25:01,039
the shovel training program would very

613
00:25:05,590 --> 00:25:03,279

much establish

614

00:25:08,070 --> 00:25:05,600

almost down to the minute we

615

00:25:09,909 --> 00:25:08,080

do a year and a half before

616

00:25:12,870 --> 00:25:09,919

every day

617

00:25:15,350 --> 00:25:12,880

very well

618

00:25:17,990 --> 00:25:15,360

the training program that we have

619

00:25:20,230 --> 00:25:18,000

again it was comfortable that we took an

620

00:25:22,870 --> 00:25:20,240

active role along with

621

00:25:26,390 --> 00:25:22,880

training folks here in africa and folks

622

00:25:29,110 --> 00:25:26,400

of spacex to develop

623

00:25:31,510 --> 00:25:29,120

so it's been a work in progress

624

00:25:34,789 --> 00:25:31,520

for at least the last few years

625

00:25:37,190 --> 00:25:34,799

and it will probably continue to be home

626
00:25:39,510 --> 00:25:37,200
for the next few weeks until it gets to

627
00:25:40,830 --> 00:25:39,520
be this finished product

628
00:25:43,750 --> 00:25:40,840
it was a very neat

629
00:25:45,430 --> 00:25:43,760
experience to offer our instant and

630
00:25:47,510 --> 00:25:45,440
operational experience we're going to

631
00:25:49,430 --> 00:25:47,520
make this main program where it is now

632
00:25:51,830 --> 00:25:49,440
but i think it's going to continue to

633
00:25:53,830 --> 00:25:51,840
improve but it was almost

634
00:25:55,669 --> 00:25:53,840
experienced from uh

635
00:25:58,070 --> 00:25:55,679
is that right is that right how about

636
00:26:00,149 --> 00:25:58,080
the spacecraft how do you think uh

637
00:26:02,470 --> 00:26:00,159
and uh what i'll go to bob

638
00:26:04,870 --> 00:26:02,480

uh colonel how uh

639

00:26:06,789 --> 00:26:04,880

how different uh is this ride gonna be

640

00:26:10,149 --> 00:26:06,799

uh you think from your shuttle ride is

641

00:26:12,630 --> 00:26:10,159

or is it different at all

642

00:26:14,470 --> 00:26:12,640

oh yeah i i think for both uh

643

00:26:20,310 --> 00:26:14,480

you're expecting a very different

644

00:27:19,029 --> 00:26:21,269

of course

645

00:27:24,549 --> 00:27:21,029

mission off and we're really looking

646

00:27:27,029 --> 00:27:24,559

forward to you know doing them

647

00:27:29,110 --> 00:27:27,039

doing a good job to take care of the

648

00:27:30,630 --> 00:27:29,120

members of our team as we get

649

00:27:32,870 --> 00:27:30,640

mission of docking to the international

650

00:27:35,110 --> 00:27:32,880

space station

651

00:27:37,750 --> 00:27:35,120

well it's it really is interesting to me

652

00:27:40,870 --> 00:27:37,760

uh doug that you talk about uh with the

653

00:27:43,510 --> 00:27:40,880

shuttle program you literally day by day

654

00:27:45,830 --> 00:27:43,520

had after years and years you had a

655

00:27:47,990 --> 00:27:45,840

training plan in place and uh with this

656

00:27:50,310 --> 00:27:48,000

one it sounds like it's uh

657

00:27:53,750 --> 00:27:50,320

with the commercial crew concept it's

658

00:27:56,070 --> 00:27:53,760

been you've been uh helping to invent uh

659

00:27:59,430 --> 00:27:56,080

the preparations as you've gone

660

00:28:03,830 --> 00:27:59,440

and uh that's a great testament uh

661

00:28:05,110 --> 00:28:03,840

to both of you uh and uh to the the fact

662

00:28:06,950 --> 00:28:05,120

that uh

663

00:28:09,110 --> 00:28:06,960

while americans astronauts have gone to

664

00:28:11,669 --> 00:28:09,120

space many times over the last 50 years

665

00:28:14,549 --> 00:28:11,679

you all are in a very real sense

666

00:28:17,110 --> 00:28:14,559

trailblazers of a new era do you

667

00:28:19,990 --> 00:28:17,120

do you feel that or is this uh do you

668

00:28:22,950 --> 00:28:20,000

see this just more as a continuation

669

00:28:24,950 --> 00:28:22,960

but how excited uh uh how excited are

670

00:28:26,789 --> 00:28:24,960

you doug just simply about

671

00:28:29,110 --> 00:28:26,799

about whether it uh whether it be this

672

00:28:30,630 --> 00:28:29,120

mission or whether it be artemis uh

673

00:28:32,710 --> 00:28:30,640

whether it be uh

674

00:28:34,870 --> 00:28:32,720

whether it be the united states space

675

00:28:36,950 --> 00:28:34,880

force uh what what does all this mean to

676

00:28:39,110 --> 00:28:36,960

a guy that's uh

677

00:28:42,789 --> 00:28:39,120

that's that's been at this uh

678

00:28:45,269 --> 00:28:42,799

uh for a great career like you

679

00:28:48,549 --> 00:28:45,279

well thank you i it's tremendously

680

00:28:51,029 --> 00:28:48,559

exciting because the thing where we are

681

00:28:52,789 --> 00:28:51,039

in the cusp of launching it

682

00:28:54,389 --> 00:28:52,799

next week

683

00:28:57,430 --> 00:28:54,399

artemis uh

684

00:28:58,389 --> 00:28:57,440

far behind i mean it's an exciting time

685

00:29:01,430 --> 00:28:58,399

to be

686

00:29:03,029 --> 00:29:01,440

in this basement and uh you know

687

00:29:05,830 --> 00:29:03,039

we're going you know

688

00:29:08,070 --> 00:29:05,840

earth orbit after so many years

689

00:29:10,230 --> 00:29:08,080

uh it's just

690

00:29:14,149 --> 00:29:10,240

we we're honored to be just about

691

00:29:15,990 --> 00:29:14,159

ground floors uh as we work our way back

692

00:29:18,389 --> 00:29:16,000

out of course

693

00:29:21,029 --> 00:29:18,399

i mean it's uh

694

00:29:23,430 --> 00:29:21,039

almost wish i was a young person yeah

695

00:29:27,430 --> 00:29:23,440

it's gonna be an exciting time another

696

00:29:31,340 --> 00:29:29,830

oh that's a great line and i'm still

697

00:29:31,740 --> 00:29:31,350

young

698

00:29:35,669 --> 00:29:31,750

[Music]

699

00:29:38,950 --> 00:29:35,679

[Laughter]

700

00:29:41,430 --> 00:29:38,960

uh listen uh we'll let you go i i do i

701
00:29:43,510 --> 00:29:41,440
want to commend you you all are not just

702
00:29:46,149 --> 00:29:43,520
two great astronauts you're uh you are

703
00:29:48,870 --> 00:29:46,159
part of two great astronaut families

704
00:29:49,990 --> 00:29:48,880
uh i understand both of your spouses are

705
00:29:54,310 --> 00:29:50,000
also

706
00:29:56,630 --> 00:29:54,320
uh astronauts and uh so this is uh uh i

707
00:29:59,669 --> 00:29:56,640
know this is a very very special time

708
00:30:01,510 --> 00:29:59,679
and uh um i just want to tell you i know

709
00:30:03,750 --> 00:30:01,520
i'm i'm gonna be uh i'm gonna be in

710
00:30:05,669 --> 00:30:03,760
florida tomorrow i i

711
00:30:08,389 --> 00:30:05,679
i am sure that i will be sensing the

712
00:30:09,750 --> 00:30:08,399
excitement building in florida

713
00:30:11,110 --> 00:30:09,760

there you will have had a lot more

714

00:30:13,269 --> 00:30:11,120

people watching

715

00:30:14,070 --> 00:30:13,279

nearby at previous launches i think

716

00:30:18,230 --> 00:30:14,080

they're

717

00:30:20,630 --> 00:30:18,240

from afar but

718

00:30:22,710 --> 00:30:20,640

i want to assure you that

719

00:30:24,950 --> 00:30:22,720

the president and i are looking forward

720

00:30:26,470 --> 00:30:24,960

uh looking very much forward to cheering

721

00:30:28,710 --> 00:30:26,480

cheering you on

722

00:30:30,230 --> 00:30:28,720

i know you'll be carried aloft with the

723

00:30:31,590 --> 00:30:30,240

prayers of millions

724

00:30:34,630 --> 00:30:31,600

of americans

725

00:30:36,870 --> 00:30:34,640

for a safe and successful

726

00:30:38,230 --> 00:30:36,880

mission and let me just say on behalf of

727

00:30:39,430 --> 00:30:38,240

all the members of the president's

728

00:30:41,190 --> 00:30:39,440

cabinet

729

00:30:43,909 --> 00:30:41,200

and the president of the united states

730

00:30:45,350 --> 00:30:43,919

um uh thank you for your courageous

731

00:30:47,190 --> 00:30:45,360

service

732

00:30:48,950 --> 00:30:47,200

and thank you for the time today and

733

00:30:51,190 --> 00:30:48,960

what i know is

734

00:30:54,230 --> 00:30:51,200

i know this is a head down

735

00:30:55,909 --> 00:30:54,240

uh every hour of preparation uh week for

736

00:30:58,950 --> 00:30:55,919

you but uh it's a real privilege to be

737

00:31:01,590 --> 00:30:58,960

able to speak uh to both of you and uh

738

00:31:05,110 --> 00:31:01,600

and as as we think of

739

00:31:07,590 --> 00:31:05,120

the passing of annie glenn

740

00:31:10,310 --> 00:31:07,600

another another incredible member of the

741

00:31:11,669 --> 00:31:10,320

nasa family we just say

742

00:31:13,190 --> 00:31:11,679

godspeed

743

00:31:15,190 --> 00:31:13,200

to both of you

744

00:31:20,320 --> 00:31:15,200

so thank you all very much and let's

745

00:31:20,330 --> 00:31:23,909

[Applause]

746

00:31:23,919 --> 00:31:30,789

great thank you sir

747

00:31:30,799 --> 00:31:34,470

great

748

00:31:34,480 --> 00:31:48,470

thank you

749

00:31:52,549 --> 00:31:50,630

okay is the press all out

750

00:31:55,509 --> 00:31:52,559

can i just say how cool was that

751
00:31:58,149 --> 00:31:55,519
yeah that was cool that was really cool

752
00:32:01,269 --> 00:31:58,159
is that anybody else okay wow all right

753
00:32:03,509 --> 00:32:01,279
yeah yeah pretty cool pretty cool uh jim

754
00:32:04,549 --> 00:32:03,519
great great uh great selection there

755
00:32:07,110 --> 00:32:04,559
what uh

756
00:32:08,230 --> 00:32:07,120
outstanding outstanding two astronauts

757
00:32:10,149 --> 00:32:08,240
and uh

758
00:32:11,909 --> 00:32:10,159
uh they're gonna they're gonna lead well

759
00:32:14,870 --> 00:32:11,919
and they're gonna represent us well so

760
00:32:16,470 --> 00:32:14,880
um yes sir great job

761
00:32:18,070 --> 00:32:16,480
great job thank you

762
00:32:19,750 --> 00:32:18,080
okay uh

763
00:32:21,430 --> 00:32:19,760

let's uh let's get down to some uh

764

00:32:22,630 --> 00:32:21,440

business the national space council jim

765

00:32:23,590 --> 00:32:22,640

i think you're going to stay with us

766

00:32:25,750 --> 00:32:23,600

aren't you

767

00:32:27,029 --> 00:32:25,760

good we'll see yeah see see if you can

768

00:32:29,269 --> 00:32:27,039

find a chair there it looks like they're

769

00:32:30,950 --> 00:32:29,279

going to make you stand up for the next

770

00:32:34,310 --> 00:32:30,960

40 minutes

771

00:32:36,070 --> 00:32:34,320

i'm high stool right now okay good good

772

00:32:38,870 --> 00:32:36,080

i feel better about that

773

00:32:40,230 --> 00:32:38,880

um again let me just thank uh let me

774

00:32:42,950 --> 00:32:40,240

thank uh

775

00:32:46,230 --> 00:32:42,960

jim and and all of the nasa team

776

00:32:48,310 --> 00:32:46,240

that are looking on from afar

777

00:32:51,110 --> 00:32:48,320

we are all very excited about all the

778

00:32:52,950 --> 00:32:51,120

progress and uh very excited about next

779

00:32:54,630 --> 00:32:52,960

week and i'm looking forward

780

00:32:57,190 --> 00:32:54,640

uh to being with you to share that

781

00:32:59,350 --> 00:32:57,200

moment in florida and uh

782

00:33:01,029 --> 00:32:59,360

it's going to be raining a lot uh

783

00:33:01,990 --> 00:33:01,039

raining a lot on the east coast this

784

00:33:04,070 --> 00:33:02,000

week but

785

00:33:05,509 --> 00:33:04,080

any idea about the uh

786

00:33:08,230 --> 00:33:05,519

potential for launch do they have a

787

00:33:09,590 --> 00:33:08,240

long-range projection

788

00:33:11,430 --> 00:33:09,600

yes sir

789

00:33:13,430 --> 00:33:11,440

really good right now we have like

790

00:33:16,230 --> 00:33:13,440

writing this review on thursday and

791

00:33:19,750 --> 00:33:16,240

friday where we go through every element

792

00:33:22,830 --> 00:33:21,509

system subsystem

793

00:33:35,990 --> 00:33:22,840

a

794

00:33:37,350 --> 00:33:36,000

with the

795

00:33:39,350 --> 00:33:37,360

police force

796

00:33:41,590 --> 00:33:39,360

of course has launched

797

00:33:43,909 --> 00:33:41,600

the the clear the crank

798

00:33:46,710 --> 00:33:43,919

um you know a lot of the riding for the

799

00:33:59,430 --> 00:33:48,549

with airspace as well

800

00:34:02,630 --> 00:34:00,549

um

801
00:34:04,389 --> 00:34:02,640
we now have

802
00:34:06,149 --> 00:34:04,399
since 1970

803
00:34:07,909 --> 00:34:06,159
uh under con

804
00:34:09,349 --> 00:34:07,919
in human landings

805
00:34:10,869 --> 00:34:09,359
to go back to the

806
00:34:13,589 --> 00:34:10,879
right time system

807
00:34:17,589 --> 00:34:13,599
and and we modeled that

808
00:34:20,310 --> 00:34:17,599
after what we were a commercial resupply

809
00:34:22,389 --> 00:34:20,320
program right of course we're going to

810
00:34:24,790 --> 00:34:22,399
be launching all the commercial crew

811
00:34:26,629 --> 00:34:24,800
program here in just a few workplaces

812
00:34:29,030 --> 00:34:26,639
but we so when we

813
00:34:30,069 --> 00:34:29,040

want to go with partners which of course

814

00:34:31,990 --> 00:34:30,079

was

815

00:34:33,430 --> 00:34:32,000

based policy director

816

00:34:35,430 --> 00:34:33,440

so we are not

817

00:34:37,270 --> 00:34:35,440

putting and operating the land

818

00:34:39,030 --> 00:34:37,280

we're going to land on the moon

819

00:34:41,829 --> 00:34:39,040

we're going to help develop the planning

820

00:34:43,430 --> 00:34:41,839

system side-by-side

821

00:34:46,149 --> 00:34:43,440

right but then we're going to

822

00:34:51,669 --> 00:34:46,159

um and and we will become a customer one

823

00:34:55,270 --> 00:34:53,270

on innovation

824

00:34:56,550 --> 00:34:55,280

and of course

825

00:34:59,829 --> 00:34:56,560

on safety

826

00:35:01,270 --> 00:34:59,839

so so all of these things um conspire to

827

00:35:05,589 --> 00:35:01,280

support

828

00:35:06,950 --> 00:35:05,599

international yeah that's really is

829

00:35:09,030 --> 00:35:06,960

informing how we're going to go at the

830

00:35:10,870 --> 00:35:09,040

moment

831

00:35:13,109 --> 00:35:10,880

it's really a good story really a great

832

00:35:14,790 --> 00:35:13,119

point uh yeah i saw that i saw the

833

00:35:17,750 --> 00:35:14,800

contract

834

00:35:18,550 --> 00:35:17,760

announcement uh for the landers um and

835

00:35:19,670 --> 00:35:18,560

um

836

00:35:21,030 --> 00:35:19,680

that's very exciting and i'm not

837

00:35:23,510 --> 00:35:21,040

surprised that it was informed by your

838

00:35:25,190 --> 00:35:23,520

commercial crew experience jim so good

839

00:35:26,550 --> 00:35:25,200

um we're uh

840

00:35:28,230 --> 00:35:26,560

the sound people in the back were

841

00:35:31,109 --> 00:35:28,240

dropping out about every fifth word but

842

00:35:33,030 --> 00:35:31,119

i still got i think we all got uh almost

843

00:35:34,790 --> 00:35:33,040

everything that you said uh and

844

00:35:37,030 --> 00:35:34,800

appreciate your leadership jim why don't

845

00:35:41,109 --> 00:35:37,040

we go to uh i'm gonna go to secretary

846

00:35:42,790 --> 00:35:41,119

chao for uh an update uh on uh

847

00:35:44,710 --> 00:35:42,800

dot's efforts and then we'll go to the

848

00:35:46,950 --> 00:35:44,720

secretary of commerce um

849

00:35:47,910 --> 00:35:46,960

regulatory reform has been a big big

850

00:35:51,670 --> 00:35:47,920

piece

851

00:35:53,190 --> 00:35:51,680

of unleashing exactly the kind of uh

852

00:35:55,109 --> 00:35:53,200

private uh

853

00:35:56,710 --> 00:35:55,119

uh space entrepreneurial activity that

854

00:35:58,310 --> 00:35:56,720

we continue to see on an increasing

855

00:36:00,069 --> 00:35:58,320

basis so thanks for your leadership

856

00:36:01,670 --> 00:36:00,079

madam secretary and

857

00:36:03,829 --> 00:36:01,680

we look forward to

858

00:36:07,030 --> 00:36:03,839

an update on both of your efforts great

859

00:36:09,670 --> 00:36:07,040

mr vice president your passion for the

860

00:36:11,430 --> 00:36:09,680

mission at hand is truly inspiring it's

861

00:36:13,510 --> 00:36:11,440

a great pleasure to join you and members

862

00:36:14,870 --> 00:36:13,520

of the national space council as

863

00:36:17,349 --> 00:36:14,880

mentioned you've all heard the first

864

00:36:19,750 --> 00:36:17,359

american-built spacecraft to carry an

865

00:36:23,270 --> 00:36:19,760

american crew into space

866

00:36:25,349 --> 00:36:23,280

since 2011 will be launched this will

867

00:36:26,950 --> 00:36:25,359

demonstrate the growing capabilities of

868

00:36:28,069 --> 00:36:26,960

america's commercial space launch

869

00:36:30,630 --> 00:36:28,079

industry

870

00:36:32,790 --> 00:36:30,640

to ensure the continued viability of our

871

00:36:35,109 --> 00:36:32,800

growing commercial space industry the

872

00:36:37,109 --> 00:36:35,119

department of transportation

873

00:36:39,510 --> 00:36:37,119

under your leadership has been making

874

00:36:41,589 --> 00:36:39,520

organizational and procedural changes

875

00:36:42,790 --> 00:36:41,599

that will enable innovation and protect

876

00:36:45,589 --> 00:36:42,800

the public

877

00:36:48,390 --> 00:36:45,599

first the faa which is part of the dot

878

00:36:50,550 --> 00:36:48,400

has established an office of space ports

879

00:36:53,670 --> 00:36:50,560

to support existing sites to better

880

00:36:56,470 --> 00:36:53,680

manage the licensing of new space ports

881

00:36:59,430 --> 00:36:56,480

with a licensing approval last week of

882

00:37:01,829 --> 00:36:59,440

titusville in florida there are now 12

883

00:37:04,310 --> 00:37:01,839

spaceports in the united states and the

884

00:37:06,630 --> 00:37:04,320

faa is currently working on applications

885

00:37:09,270 --> 00:37:06,640

for nine additional sites so we're on

886

00:37:10,710 --> 00:37:09,280

our way second to ensure better

887

00:37:12,230 --> 00:37:10,720

accountability and have the

888

00:37:14,550 --> 00:37:12,240

responsibility

889

00:37:16,870 --> 00:37:14,560

for all launch and re-entry licensing

890

00:37:19,030 --> 00:37:16,880

and oversight responsibilities under one

891

00:37:21,990 --> 00:37:19,040

executive we have completed the

892

00:37:24,230 --> 00:37:22,000

reorganization of the faa's office of

893

00:37:26,470 --> 00:37:24,240

commercial space transportation

894

00:37:28,470 --> 00:37:26,480

one advantage that we already see is an

895

00:37:30,790 --> 00:37:28,480

improvement in communications with the

896

00:37:33,190 --> 00:37:30,800

stakeholders they now have a single

897

00:37:34,710 --> 00:37:33,200

point of contact for questions and

898

00:37:36,470 --> 00:37:34,720

feedback

899

00:37:39,030 --> 00:37:36,480

third in addition to these

900

00:37:41,349 --> 00:37:39,040

organizational changes the office is

901
00:37:43,910 --> 00:37:41,359
re-engineering all of its internal

902
00:37:47,829 --> 00:37:43,920
processes so this will promote

903
00:37:50,069 --> 00:37:47,839
effectiveness efficiency and scalability

904
00:37:52,230 --> 00:37:50,079
and will better meet the future needs of

905
00:37:53,430 --> 00:37:52,240
stakeholders while continuing to protect

906
00:37:56,150 --> 00:37:53,440
the public

907
00:37:59,430 --> 00:37:56,160
now these last two efforts will maximize

908
00:38:01,589 --> 00:37:59,440
the benefits of the proposed streamlined

909
00:38:02,950 --> 00:38:01,599
launch and re-entry rule and that's what

910
00:38:05,430 --> 00:38:02,960
you're talking about

911
00:38:07,430 --> 00:38:05,440
in response to the president's mandate

912
00:38:09,109 --> 00:38:07,440
and your mandate as well

913
00:38:11,750 --> 00:38:09,119

the department issued a notice of

914

00:38:13,829 --> 00:38:11,760

proposed rulemaking to streamline and

915

00:38:17,030 --> 00:38:13,839

increase flexibility

916

00:38:19,670 --> 00:38:17,040

in its launch and re-entry licensing

917

00:38:23,109 --> 00:38:19,680

requirements the department is currently

918

00:38:26,069 --> 00:38:23,119

evaluating the commons to its nprm and

919

00:38:28,550 --> 00:38:26,079

expects to meet the council's directive

920

00:38:31,829 --> 00:38:28,560

to publish the final rule

921

00:38:35,990 --> 00:38:31,839

in early fall if everybody around the

922

00:38:41,190 --> 00:38:37,990

the proposed rule will provide a

923

00:38:43,270 --> 00:38:41,200

performance value regulatory approach

924

00:38:45,589 --> 00:38:43,280

that will keep pace with innovation

925

00:38:47,430 --> 00:38:45,599

while protecting safety it will

926
00:38:50,870 --> 00:38:47,440
strengthen collaboration among

927
00:38:53,750 --> 00:38:50,880
stakeholders by encouraging both legacy

928
00:38:56,390 --> 00:38:53,760
and new launch and entry re-entry

929
00:38:59,349 --> 00:38:56,400
operators to suggest and implement

930
00:39:02,630 --> 00:38:59,359
design and operation solutions it will

931
00:39:05,190 --> 00:39:02,640
allow for a single license to be granted

932
00:39:06,550 --> 00:39:05,200
for multiple launches from different

933
00:39:09,030 --> 00:39:06,560
locations

934
00:39:11,030 --> 00:39:09,040
so in summary i'm pleased to report that

935
00:39:13,670 --> 00:39:11,040
the department is on track to meet the

936
00:39:16,230 --> 00:39:13,680
mandates set forth by the president by

937
00:39:18,390 --> 00:39:16,240
you and by this council thank you that's

938
00:39:19,990 --> 00:39:18,400

great great progress and how many

939

00:39:21,990 --> 00:39:20,000

spaceports you said

940

00:39:23,750 --> 00:39:22,000

we've got about 12 additional ones that

941

00:39:25,750 --> 00:39:23,760

we are currently doing so we've got

942

00:39:27,430 --> 00:39:25,760

about uh a dozen

943

00:39:30,710 --> 00:39:27,440

yeah that's exciting

944

00:39:32,870 --> 00:39:30,720

very exciting great work and uh

945

00:39:35,190 --> 00:39:32,880

you heard her admonition about uh

946

00:39:36,710 --> 00:39:35,200

working together right

947

00:39:38,069 --> 00:39:36,720

all right good that's how we move as

948

00:39:39,750 --> 00:39:38,079

quickly as we do

949

00:39:41,990 --> 00:39:39,760

secretary ross

950

00:39:45,270 --> 00:39:42,000

thank you vice president pence for the

951
00:39:48,310 --> 00:39:45,280
opportunity to update the national space

952
00:39:49,829 --> 00:39:48,320
council on the department of commerce's

953
00:39:52,790 --> 00:39:49,839
implementation

954
00:39:54,310 --> 00:39:52,800
of space policy directives two

955
00:39:56,710 --> 00:39:54,320
and three

956
00:40:00,069 --> 00:39:56,720
after extensive discussions with

957
00:40:01,910 --> 00:40:00,079
industry and government agencies we

958
00:40:05,190 --> 00:40:01,920
published this morning

959
00:40:07,349 --> 00:40:05,200
on the federal register website a new

960
00:40:11,349 --> 00:40:07,359
remote sensing rule

961
00:40:13,990 --> 00:40:11,359
it ensures that u.s space companies will

962
00:40:17,670 --> 00:40:14,000
remain competitive in the fast

963
00:40:21,589 --> 00:40:17,680

developing global markets for commercial

964

00:40:22,550 --> 00:40:21,599

remote sensing products and services

965

00:40:25,670 --> 00:40:22,560

second

966

00:40:29,230 --> 00:40:25,680

our office of space commerce will very

967

00:40:32,150 --> 00:40:29,240

soon launch the open architecture data

968

00:40:34,390 --> 00:40:32,160

repository that will consolidate

969

00:40:38,230 --> 00:40:34,400

existing and new

970

00:40:41,030 --> 00:40:38,240

space situational awareness data sets

971

00:40:43,750 --> 00:40:41,040

and that will be a major breakthrough

972

00:40:46,470 --> 00:40:43,760

in assuring that we can deal with the

973

00:40:50,829 --> 00:40:46,480

problem of space debris and space

974

00:40:57,190 --> 00:40:52,390

excellent

975

00:40:58,950 --> 00:40:57,200

thank you uh uh and

976
00:41:01,829 --> 00:40:58,960
i appreciate you referencing space

977
00:41:03,910 --> 00:41:01,839
policy directive too and um

978
00:41:05,589 --> 00:41:03,920
mr secretary you and secretary chubb

979
00:41:07,910 --> 00:41:05,599
done such a remarkable job our

980
00:41:09,829 --> 00:41:07,920
president's vision there was that

981
00:41:11,910 --> 00:41:09,839
the federal government would would be a

982
00:41:13,109 --> 00:41:11,920
partner and a customer

983
00:41:15,349 --> 00:41:13,119
um

984
00:41:17,829 --> 00:41:15,359
and not a competitor of america's

985
00:41:19,829 --> 00:41:17,839
entrepreneurial space industry and you

986
00:41:20,470 --> 00:41:19,839
all have done remarkable work on that

987
00:41:22,470 --> 00:41:20,480
and

988
00:41:25,670 --> 00:41:22,480

i want to thank you for that we've

989

00:41:27,910 --> 00:41:25,680

cut in half the licensing time for new

990

00:41:32,150 --> 00:41:27,920

sensing activities

991

00:41:33,510 --> 00:41:32,160

from the statutory 120 days to 60 days

992

00:41:35,910 --> 00:41:33,520

that's outstanding

993

00:41:37,589 --> 00:41:35,920

outstanding and um and we're seeing a

994

00:41:40,550 --> 00:41:37,599

tremendous amount of investment

995

00:41:42,630 --> 00:41:40,560

oh yes uh in in space companies around

996

00:41:45,030 --> 00:41:42,640

the country absolutely yeah just

997

00:41:47,030 --> 00:41:45,040

phenomenal well listen um

998

00:41:48,470 --> 00:41:47,040

thank you very much thanks for that uh

999

00:41:50,470 --> 00:41:48,480

great report

1000

00:41:52,630 --> 00:41:50,480

and we're going to continue

1001
00:41:53,910 --> 00:41:52,640
to work very closely with with both of

1002
00:41:56,390 --> 00:41:53,920
you

1003
00:41:58,390 --> 00:41:56,400
and um

1004
00:42:00,470 --> 00:41:58,400
and and take further action i think the

1005
00:42:04,550 --> 00:42:00,480
president signed an executive order in

1006
00:42:05,910 --> 00:42:04,560
fact uh roughly a month ago uh that

1007
00:42:07,990 --> 00:42:05,920
recognized the rights of private

1008
00:42:10,950 --> 00:42:08,000
companies to recover and use space

1009
00:42:12,550 --> 00:42:10,960
resources right uh and uh and that's

1010
00:42:13,990 --> 00:42:12,560
that's all part and parcel about us

1011
00:42:15,990 --> 00:42:14,000
wanting to unleash

1012
00:42:17,109 --> 00:42:16,000
the full power of american ingenuity and

1013
00:42:19,030 --> 00:42:17,119

innovation

1014

00:42:20,710 --> 00:42:19,040

and space exploration so thank you all

1015

00:42:22,150 --> 00:42:20,720

for being such willing

1016

00:42:23,510 --> 00:42:22,160

a partners in implementing the

1017

00:42:25,750 --> 00:42:23,520

president's vision

1018

00:42:27,750 --> 00:42:25,760

um and speaking for your leadership well

1019

00:42:30,550 --> 00:42:27,760

it's a privilege um

1020

00:42:32,230 --> 00:42:30,560

uh speaking of resources uh secretary of

1021

00:42:33,030 --> 00:42:32,240

energy is with us dan bruyette is one of

1022

00:42:34,710 --> 00:42:33,040

our

1023

00:42:37,109 --> 00:42:34,720

newer members of the space council i

1024

00:42:38,390 --> 00:42:37,119

want to welcome you again um

1025

00:42:42,950 --> 00:42:38,400

uh

1026
00:42:44,630 --> 00:42:42,960
department's space technologies policies

1027
00:42:47,990 --> 00:42:44,640
and efforts to collaborate with nasa and

1028
00:42:49,750 --> 00:42:48,000
dod sure on these issues impacting

1029
00:42:51,750 --> 00:42:49,760
american energy thank you mr vice

1030
00:42:53,430 --> 00:42:51,760
president and i do have a great report

1031
00:42:54,870 --> 00:42:53,440
for you but before we begin that i'd

1032
00:42:57,349 --> 00:42:54,880
like to thank you for your leadership of

1033
00:42:59,190 --> 00:42:57,359
our nation's response to covet 19

1034
00:43:00,630 --> 00:42:59,200
and in particular the leadership that

1035
00:43:02,710 --> 00:43:00,640
you and the president have shown in

1036
00:43:04,790 --> 00:43:02,720
stabilizing the world's energy markets

1037
00:43:06,230 --> 00:43:04,800
and protecting america as energy

1038
00:43:07,910 --> 00:43:06,240

producers so thank you for that sir

1039

00:43:11,589 --> 00:43:07,920

since really appreciate that oil was

1040

00:43:13,589 --> 00:43:11,599

back up yesterday oil is back up yes

1041

00:43:14,950 --> 00:43:13,599

we are back american energy is back as

1042

00:43:16,309 --> 00:43:14,960

the president says president i both

1043

00:43:19,270 --> 00:43:16,319

never thought we'd be cheering

1044

00:43:22,630 --> 00:43:21,190

there's a point where

1045

00:43:24,390 --> 00:43:22,640

there's a point

1046

00:43:26,710 --> 00:43:24,400

it's good it's a fine

1047

00:43:28,230 --> 00:43:26,720

thanks for your leadership thank you sir

1048

00:43:29,829 --> 00:43:28,240

and administrator breinstein thank you

1049

00:43:31,589 --> 00:43:29,839

for your leadership and your partnership

1050

00:43:34,150 --> 00:43:31,599

with our higher performance computing

1051
00:43:36,309 --> 00:43:34,160
consortium it's through this consortium

1052
00:43:38,309 --> 00:43:36,319
that we're not only going to find the

1053
00:43:40,069 --> 00:43:38,319
solution to this current pandemic but

1054
00:43:42,069 --> 00:43:40,079
we're going to shorten the time in which

1055
00:43:44,069 --> 00:43:42,079
we find the solution by using america's

1056
00:43:45,270 --> 00:43:44,079
super computing capacities so thank you

1057
00:43:47,670 --> 00:43:45,280
for your partnership there i look

1058
00:43:49,349 --> 00:43:47,680
forward to working with you and godspeed

1059
00:43:51,829 --> 00:43:49,359
to you and your team on your flight next

1060
00:43:53,510 --> 00:43:51,839
week i look forward to cheering you on

1061
00:43:56,150 --> 00:43:53,520
with the rest of the council

1062
00:43:58,470 --> 00:43:56,160
as the vice president mentioned earlier

1063
00:44:00,069 --> 00:43:58,480

we are rejoining the council we did this

1064

00:44:02,230 --> 00:44:00,079

back in february and we're excited to

1065

00:44:04,710 --> 00:44:02,240

work with you to tackle the challenges

1066

00:44:05,910 --> 00:44:04,720

of a new era of space exploration and

1067

00:44:07,750 --> 00:44:05,920

development

1068

00:44:10,309 --> 00:44:07,760

the department of energy doe as we

1069

00:44:12,630 --> 00:44:10,319

fondly refer to it has an accomplished

1070

00:44:15,910 --> 00:44:12,640

history in all of these efforts of

1071

00:44:17,750 --> 00:44:15,920

reaching to and even beyond the horizon

1072

00:44:19,349 --> 00:44:17,760

and as i shared with you at the last

1073

00:44:20,470 --> 00:44:19,359

council meeting i argue that in many

1074

00:44:22,710 --> 00:44:20,480

ways

1075

00:44:24,470 --> 00:44:22,720

doe not only stands for the department

1076
00:44:26,870 --> 00:44:24,480
of energy it stands for the department

1077
00:44:31,030 --> 00:44:26,880
of exploration and we look forward to

1078
00:44:33,109 --> 00:44:31,040
being good partners with you i like that

1079
00:44:35,510 --> 00:44:33,119
that's great to better to better

1080
00:44:37,270 --> 00:44:35,520
communicate and focus our efforts within

1081
00:44:39,349 --> 00:44:37,280
our departments and focus our efforts on

1082
00:44:40,790 --> 00:44:39,359
the president's space policy i've

1083
00:44:43,190 --> 00:44:40,800
established a high-level space

1084
00:44:45,030 --> 00:44:43,200
coordination group that cuts across our

1085
00:44:46,710 --> 00:44:45,040
entire enterprise and reports directly

1086
00:44:48,470 --> 00:44:46,720
to my policy team

1087
00:44:50,309 --> 00:44:48,480
and i've also charged

1088
00:44:52,550 --> 00:44:50,319

the secretary of energy advisory board

1089

00:44:54,550 --> 00:44:52,560

cf as we call it inside the department

1090

00:44:56,550 --> 00:44:54,560

with developing strategic advice and

1091

00:44:57,990 --> 00:44:56,560

guidance for our space related programs

1092

00:45:00,069 --> 00:44:58,000

i'm excited

1093

00:45:02,790 --> 00:45:00,079

to have admiral richard meese he's a

1094

00:45:04,470 --> 00:45:02,800

former stratcom commander and mr norm

1095

00:45:06,309 --> 00:45:04,480

morgenstein who's the former ceo of

1096

00:45:08,309 --> 00:45:06,319

lockheed martin to co-chair this effort

1097

00:45:09,990 --> 00:45:08,319

for us within our department

1098

00:45:11,589 --> 00:45:10,000

in addition we've been meeting regularly

1099

00:45:13,910 --> 00:45:11,599

with our colleagues at nasa to better

1100

00:45:16,550 --> 00:45:13,920

align our space program activities and

1101
00:45:19,109 --> 00:45:16,560
support america's return to the moon

1102
00:45:21,270 --> 00:45:19,119
our next giant leap to mars

1103
00:45:23,589 --> 00:45:21,280
and our bright future which lays before

1104
00:45:25,910 --> 00:45:23,599
us and together we in nasa are

1105
00:45:27,349 --> 00:45:25,920
revitalizing my memorandum of

1106
00:45:29,109 --> 00:45:27,359
cooperation

1107
00:45:30,870 --> 00:45:29,119
and standing up senior level working

1108
00:45:33,270 --> 00:45:30,880
groups that will jointly address some of

1109
00:45:36,069 --> 00:45:33,280
the highest priority technical hurdles

1110
00:45:37,750 --> 00:45:36,079
that nasa has identified for us

1111
00:45:39,750 --> 00:45:37,760
at the same time and meanwhile i should

1112
00:45:41,349 --> 00:45:39,760
say we've also launched a series of

1113
00:45:42,470 --> 00:45:41,359

briefings for department of defense

1114

00:45:43,750 --> 00:45:42,480

officials

1115

00:45:45,510 --> 00:45:43,760

on our capabilities that could

1116

00:45:46,870 --> 00:45:45,520

contribute to the mission of the new u.s

1117

00:45:48,550 --> 00:45:46,880

space force

1118

00:45:49,990 --> 00:45:48,560

we've had a long relationship with our

1119

00:45:52,230 --> 00:45:50,000

friends at the defense department as

1120

00:45:53,750 --> 00:45:52,240

well as excellent collaboration

1121

00:45:55,589 --> 00:45:53,760

between does

1122

00:45:56,870 --> 00:45:55,599

national nuclear security administration

1123

00:45:58,550 --> 00:45:56,880

nnsa

1124

00:46:00,790 --> 00:45:58,560

dod noaa

1125

00:46:02,870 --> 00:46:00,800

and nasa for the release of space

1126

00:46:06,150 --> 00:46:02,880

weather data that's collected by doe

1127

00:46:08,309 --> 00:46:06,160

developed space-based nuclear explosion

1128

00:46:09,829 --> 00:46:08,319

monitoring payloads that's a mouthful

1129

00:46:11,270 --> 00:46:09,839

but it's important work that we've done

1130

00:46:12,550 --> 00:46:11,280

at doe

1131

00:46:15,430 --> 00:46:12,560

we'll rely

1132

00:46:17,349 --> 00:46:15,440

on the experiences on those experiences

1133

00:46:18,870 --> 00:46:17,359

that we have to grow our engagement with

1134

00:46:20,630 --> 00:46:18,880

the space force

1135

00:46:23,030 --> 00:46:20,640

by identifying doe technical

1136

00:46:24,630 --> 00:46:23,040

capabilities that we think will support

1137

00:46:26,069 --> 00:46:24,640

and enhance this important critical

1138

00:46:27,910 --> 00:46:26,079

mission

1139

00:46:30,309 --> 00:46:27,920

and recognizing the important uh

1140

00:46:31,829 --> 00:46:30,319

enlarged potential of a future

1141

00:46:33,990 --> 00:46:31,839

space economy

1142

00:46:35,510 --> 00:46:34,000

we've redoubled our efforts with the u.s

1143

00:46:37,109 --> 00:46:35,520

department of commerce and some of our

1144

00:46:39,190 --> 00:46:37,119

sister agencies

1145

00:46:41,829 --> 00:46:39,200

on encouraging u.s space commercial

1146

00:46:44,470 --> 00:46:41,839

growth in a safe and stable orbital

1147

00:46:46,150 --> 00:46:44,480

environment and in particular does world

1148

00:46:47,990 --> 00:46:46,160

leading work in the next generation of

1149

00:46:49,030 --> 00:46:48,000

computing technologies like i mentioned

1150

00:46:51,109 --> 00:46:49,040

earlier

1151
00:46:53,109 --> 00:46:51,119
which extends to quantum information

1152
00:46:55,190 --> 00:46:53,119
artificial intelligence we think these

1153
00:46:57,589 --> 00:46:55,200
could greatly assist in commerce's role

1154
00:47:00,309 --> 00:46:57,599
to protect space industry partners from

1155
00:47:02,309 --> 00:47:00,319
space weather related events and debris

1156
00:47:04,150 --> 00:47:02,319
that we all know exists out there

1157
00:47:06,470 --> 00:47:04,160
our 17 national laboratories are

1158
00:47:07,829 --> 00:47:06,480
actively working on a portfolio of space

1159
00:47:10,309 --> 00:47:07,839
related research and development

1160
00:47:12,550 --> 00:47:10,319
activities and our office of technology

1161
00:47:14,870 --> 00:47:12,560
transitions has established a dedicated

1162
00:47:16,309 --> 00:47:14,880
portal on its laboratory partnering

1163
00:47:18,550 --> 00:47:16,319

service which is available to the

1164

00:47:21,349 --> 00:47:18,560

american public and where information

1165

00:47:23,430 --> 00:47:21,359

can be found on our work within doe and

1166

00:47:26,309 --> 00:47:23,440

it spans everything from launch vehicles

1167

00:47:28,470 --> 00:47:26,319

to robotics to propulsion

1168

00:47:30,630 --> 00:47:28,480

and one of one of the most fundamental

1169

00:47:31,829 --> 00:47:30,640

needs for any space mission is a

1170

00:47:34,710 --> 00:47:31,839

reliable

1171

00:47:37,109 --> 00:47:34,720

and sustained supply of power and this

1172

00:47:39,829 --> 00:47:37,119

is where we at doe i think come to the

1173

00:47:41,510 --> 00:47:39,839

fore specifically as part of the broader

1174

00:47:43,430 --> 00:47:41,520

strategy to regain american global

1175

00:47:45,990 --> 00:47:43,440

leadership in nuclear energy we're

1176
00:47:48,790 --> 00:47:46,000
leading efforts with the private sector

1177
00:47:50,710 --> 00:47:48,800
to promote development and deployment of

1178
00:47:53,270 --> 00:47:50,720
small modular reactors in micro

1179
00:47:55,430 --> 00:47:53,280
microreactors these are technologies

1180
00:47:57,430 --> 00:47:55,440
that could be modified to provide

1181
00:47:59,829 --> 00:47:57,440
sustainable power sources for space

1182
00:48:02,950 --> 00:47:59,839
applications such as surface power and

1183
00:48:04,150 --> 00:48:02,960
thermal nuclear thermal propulsion

1184
00:48:05,990 --> 00:48:04,160
we're already working with our

1185
00:48:07,589 --> 00:48:06,000
colleagues at nasa and dod on

1186
00:48:10,309 --> 00:48:07,599
applications of these technologies and

1187
00:48:11,910 --> 00:48:10,319
we look forward to the expanded use of

1188
00:48:15,430 --> 00:48:11,920

safe and new

1189

00:48:17,349 --> 00:48:15,440

secure nuclear energy technologies

1190

00:48:19,750 --> 00:48:17,359

in particular we are partnering with

1191

00:48:23,109 --> 00:48:19,760

nasa to demonstrate nuclear thermal

1192

00:48:24,790 --> 00:48:23,119

propulsion and surface fission reactors

1193

00:48:27,109 --> 00:48:24,800

which will support power requirements

1194

00:48:29,750 --> 00:48:27,119

for crew transportation to the moon and

1195

00:48:31,829 --> 00:48:29,760

eventually mars as well as help us power

1196

00:48:33,670 --> 00:48:31,839

our envisioned outposts there with

1197

00:48:36,390 --> 00:48:33,680

nuclear propulsion we can potentially

1198

00:48:39,270 --> 00:48:36,400

cut the time of space travel to mars by

1199

00:48:41,349 --> 00:48:39,280

half while offering increased mission

1200

00:48:43,990 --> 00:48:41,359

flexibility or as we like to say with

1201

00:48:47,109 --> 00:48:44,000

ndoe our goal is to get to mars and back

1202

00:48:49,510 --> 00:48:47,119

on one tank of gas and we will do it

1203

00:48:51,030 --> 00:48:49,520

but this is only just the beginning sir

1204

00:48:53,270 --> 00:48:51,040

the president's space policy has

1205

00:48:54,950 --> 00:48:53,280

challenged us to think differently about

1206

00:48:55,990 --> 00:48:54,960

the space demand

1207

00:48:57,510 --> 00:48:56,000

domain

1208

00:48:59,430 --> 00:48:57,520

than we have

1209

00:49:01,030 --> 00:48:59,440

during the space race or even during

1210

00:49:02,069 --> 00:49:01,040

more recent times

1211

00:49:03,750 --> 00:49:02,079

and

1212

00:49:05,270 --> 00:49:03,760

you know your leadership service called

1213

00:49:06,790 --> 00:49:05,280

us together to meet this challenge and

1214

00:49:07,990 --> 00:49:06,800

i'm honored to be here and represent a

1215

00:49:09,750 --> 00:49:08,000

department

1216

00:49:11,750 --> 00:49:09,760

that will be an essential part of the

1217

00:49:13,430 --> 00:49:11,760

solution so thank you again

1218

00:49:14,630 --> 00:49:13,440

for the opportunity to join you today i

1219

00:49:16,950 --> 00:49:14,640

look forward to working with you in the

1220

00:49:20,069 --> 00:49:16,960

future thank you for your leadership

1221

00:49:21,109 --> 00:49:20,079

excellent thank you for uh

1222

00:49:23,109 --> 00:49:21,119

thank you for bringing all those

1223

00:49:24,470 --> 00:49:23,119

creative energies together dan

1224

00:49:26,309 --> 00:49:24,480

um

1225

00:49:27,510 --> 00:49:26,319

one tank of gas

1226
00:49:29,670 --> 00:49:27,520
to mars

1227
00:49:31,910 --> 00:49:29,680
one tank of gas but you're absolutely

1228
00:49:33,750 --> 00:49:31,920
right it's it is

1229
00:49:35,510 --> 00:49:33,760
reliable sustainable

1230
00:49:37,109 --> 00:49:35,520
power is the essential to space

1231
00:49:40,309 --> 00:49:37,119
exploration and

1232
00:49:41,589 --> 00:49:40,319
uh developing new innovations um

1233
00:49:42,710 --> 00:49:41,599
uh is

1234
00:49:45,589 --> 00:49:42,720
uh

1235
00:49:47,750 --> 00:49:45,599
exactly the right place for the

1236
00:49:50,069 --> 00:49:47,760
department of energy although i i will

1237
00:49:51,589 --> 00:49:50,079
tell you with jim bridenstine

1238
00:49:53,109 --> 00:49:51,599

here at the national space council he

1239

00:49:56,950 --> 00:49:53,119

may fight you over

1240

00:49:59,109 --> 00:49:56,960

the department of exploration because

1241

00:50:00,790 --> 00:49:59,119

we may have to give you both an extra e

1242

00:50:03,510 --> 00:50:00,800

in your title

1243

00:50:04,549 --> 00:50:03,520

uh sir i i would i would

1244

00:50:06,069 --> 00:50:04,559

um

1245

00:50:08,150 --> 00:50:06,079

terry burlet

1246

00:50:09,670 --> 00:50:08,160

amazing partner and we're grateful for

1247

00:50:12,470 --> 00:50:09,680

his reward

1248

00:50:14,390 --> 00:50:12,480

amazing very important that's great

1249

00:50:16,230 --> 00:50:14,400

thank you david yeah thank you thank you

1250

00:50:18,870 --> 00:50:16,240

high praise thank you sir national

1251
00:50:20,150 --> 00:50:18,880
aeronautics and exploration space

1252
00:50:21,589 --> 00:50:20,160
administration

1253
00:50:23,190 --> 00:50:21,599
and the department of energy and

1254
00:50:24,870 --> 00:50:23,200
exploration i think we could perfect

1255
00:50:26,630 --> 00:50:24,880
yeah we could kind of take that to omb

1256
00:50:28,230 --> 00:50:26,640
and see if it works

1257
00:50:29,910 --> 00:50:28,240
yeah yeah

1258
00:50:30,950 --> 00:50:29,920
all new acronyms

1259
00:50:31,829 --> 00:50:30,960
um

1260
00:50:33,829 --> 00:50:31,839
great

1261
00:50:35,589 --> 00:50:33,839
really really outstanding report dan

1262
00:50:37,670 --> 00:50:35,599
thank you thank you um

1263
00:50:39,670 --> 00:50:37,680

and uh now we there's been so much

1264

00:50:42,790 --> 00:50:39,680

that's been happening in the area of a

1265

00:50:44,390 --> 00:50:42,800

defense we're pleased to have

1266

00:50:46,790 --> 00:50:44,400

the deputy secretary of defense david

1267

00:50:48,549 --> 00:50:46,800

norquist with us who also i want to say

1268

00:50:49,990 --> 00:50:48,559

that he and secretary esper just done a

1269

00:50:51,670 --> 00:50:50,000

remarkable job

1270

00:50:55,190 --> 00:50:51,680

on the president's coronavirus task

1271

00:50:57,030 --> 00:50:55,200

force david we thank you

1272

00:50:59,430 --> 00:50:57,040

we know

1273

00:51:00,790 --> 00:50:59,440

the incredible

1274

00:51:03,109 --> 00:51:00,800

work

1275

00:51:05,349 --> 00:51:03,119

that dod has done implementing the

1276

00:51:07,109 --> 00:51:05,359

president's vision

1277

00:51:09,270 --> 00:51:07,119

for ensuring that america remains as

1278

00:51:11,430 --> 00:51:09,280

dominant in space as we are in earth and

1279

00:51:14,470 --> 00:51:11,440

land and sea i also want to acknowledge

1280

00:51:16,230 --> 00:51:14,480

uh general heightens seminal role

1281

00:51:20,870 --> 00:51:16,240

uh in

1282

00:51:24,150 --> 00:51:23,109

security from space throughout your

1283

00:51:27,430 --> 00:51:24,160

career

1284

00:51:29,030 --> 00:51:27,440

uh and i'm i am uh among the many many

1285

00:51:31,349 --> 00:51:29,040

people who believe that

1286

00:51:33,430 --> 00:51:31,359

um you being a vice chairman of the

1287

00:51:34,710 --> 00:51:33,440

joint chiefs um

1288

00:51:36,549 --> 00:51:34,720

uh

1289

00:51:39,190 --> 00:51:36,559

at such time as this

1290

00:51:41,030 --> 00:51:39,200

in the life of american um security

1291

00:51:43,510 --> 00:51:41,040

leadership in space

1292

00:51:45,750 --> 00:51:43,520

is no accident and so uh general i want

1293

00:51:48,150 --> 00:51:45,760

to thank you uh for your leadership

1294

00:51:49,829 --> 00:51:48,160

as well uh what what's happening uh with

1295

00:51:52,309 --> 00:51:49,839

the rollout of the space force and i

1296

00:51:55,349 --> 00:51:52,319

think i i was actually told that we're

1297

00:51:57,829 --> 00:51:55,359

allowing people to apply to transfer

1298

00:51:59,270 --> 00:51:57,839

can you can you uh articulate that for

1299

00:52:00,790 --> 00:51:59,280

us general maybe if there's a nearby

1300

00:52:03,109 --> 00:52:00,800

microphone

1301

00:52:05,670 --> 00:52:03,119

the number the number of current uh

1302

00:52:07,190 --> 00:52:05,680

airmen who have applied to transfer into

1303

00:52:09,190 --> 00:52:07,200

the space force

1304

00:52:11,589 --> 00:52:09,200

so people are running to apply uh it

1305

00:52:14,230 --> 00:52:11,599

just opened up last week i believe and

1306

00:52:15,589 --> 00:52:14,240

uh we've already had thousands running

1307

00:52:17,910 --> 00:52:15,599

uh the

1308

00:52:19,589 --> 00:52:17,920

interesting i heard the number 2000 in

1309

00:52:21,670 --> 00:52:19,599

like the first few days

1310

00:52:24,150 --> 00:52:21,680

and it was the uh my wife's facebook

1311

00:52:25,990 --> 00:52:24,160

account just blew up with everybody just

1312

00:52:28,150 --> 00:52:26,000

posting sitting in front of a computer

1313

00:52:29,990 --> 00:52:28,160

uh applying to transfer because those

1314

00:52:32,309 --> 00:52:30,000

have been our friends and people we

1315

00:52:34,630 --> 00:52:32,319

worked with our entire lives uh it's

1316

00:52:36,069 --> 00:52:34,640

interesting if you apply as a general

1317

00:52:38,630 --> 00:52:36,079

officer it's uh it's a little more

1318

00:52:40,390 --> 00:52:38,640

complicated

1319

00:52:43,349 --> 00:52:40,400

so i'm still trying to figure out how to

1320

00:52:48,309 --> 00:52:45,670

we might keep you right where you are

1321

00:52:50,390 --> 00:52:48,319

i just i just go back to you know bob

1322

00:52:51,910 --> 00:52:50,400

and doug a while ago and i said yeah i

1323

00:52:54,230 --> 00:52:51,920

wish i could just go back and be a young

1324

00:52:56,150 --> 00:52:54,240

astronaut again i just wish i would go

1325

00:52:58,069 --> 00:52:56,160

back and be a lieutenant it's it's

1326
00:52:58,950 --> 00:52:58,079
awesome those 86 new lieutenants right

1327
00:53:02,710 --> 00:52:58,960
now

1328
00:53:03,910 --> 00:53:02,720
what they're going to do the next 30-40

1329
00:53:06,390 --> 00:53:03,920
years yeah

1330
00:53:09,030 --> 00:53:06,400
yeah so well said well

1331
00:53:11,109 --> 00:53:09,040
uh my son is a young captain and my new

1332
00:53:13,510 --> 00:53:11,119
son-in-law is a is a lieutenant in the

1333
00:53:14,870 --> 00:53:13,520
navy and a pilot and uh they're in that

1334
00:53:16,790 --> 00:53:14,880
they're in that generation and we're

1335
00:53:18,549 --> 00:53:16,800
incredibly proud of all of them

1336
00:53:20,390 --> 00:53:18,559
all of them so

1337
00:53:23,670 --> 00:53:20,400
but i i want to acknowledge i know the

1338
00:53:25,030 --> 00:53:23,680

uh the deputy secretary would not um

1339

00:53:26,309 --> 00:53:25,040

and the secretary and the president

1340

00:53:27,670 --> 00:53:26,319

would not want me to miss the

1341

00:53:29,190 --> 00:53:27,680

opportunity to thank general heighten

1342

00:53:31,430 --> 00:53:29,200

for his leadership

1343

00:53:33,910 --> 00:53:31,440

uh in this area throughout your career

1344

00:53:36,069 --> 00:53:33,920

throughout your long and storied career

1345

00:53:38,390 --> 00:53:36,079

uh but uh uh

1346

00:53:40,470 --> 00:53:38,400

deputy secretary norquist you're

1347

00:53:43,670 --> 00:53:40,480

recognized for an update on the space

1348

00:53:46,309 --> 00:53:43,680

force and and relatedly us-based command

1349

00:53:48,630 --> 00:53:46,319

and we and also we had jim uh down at

1350

00:53:52,390 --> 00:53:48,640

kennedy we had a very successful launch

1351

00:53:53,910 --> 00:53:52,400
of the x-37 uh and uh

1352

00:53:55,430 --> 00:53:53,920
back in space

1353

00:53:56,470 --> 00:53:55,440
uh

1354

00:53:57,910 --> 00:53:56,480
um

1355

00:53:59,430 --> 00:53:57,920
i'll say to the assistant secretary of

1356

00:54:00,549 --> 00:53:59,440
state given

1357

00:54:02,950 --> 00:54:00,559
countries around the world something to

1358

00:54:05,190 --> 00:54:02,960
talk about which is just fine

1359

00:54:06,630 --> 00:54:05,200
um but uh we're incredibly incredibly

1360

00:54:10,710 --> 00:54:06,640
proud of uh

1361

00:54:12,309 --> 00:54:10,720
uh of uh of all the work dod is doing

1362

00:54:13,750 --> 00:54:12,319
you're recognized thank you mr vice

1363

00:54:15,109 --> 00:54:13,760

president and colleagues and i'm glad to

1364

00:54:17,750 --> 00:54:15,119

be here today and appreciate the

1365

00:54:19,750 --> 00:54:17,760

opportunity to update the team on some

1366

00:54:21,910 --> 00:54:19,760

of the key space-related activities

1367

00:54:23,190 --> 00:54:21,920

being executed at the department of

1368

00:54:25,270 --> 00:54:23,200

defense

1369

00:54:27,750 --> 00:54:25,280

we've seen significant changes to the

1370

00:54:29,750 --> 00:54:27,760

space domain over recent years

1371

00:54:32,150 --> 00:54:29,760

access to space is no longer limited to

1372

00:54:34,069 --> 00:54:32,160

a few actors today there are over 50

1373

00:54:35,750 --> 00:54:34,079

countries and multinational

1374

00:54:37,990 --> 00:54:35,760

organizations that are operating in

1375

00:54:40,549 --> 00:54:38,000

space and the commercial sector is also

1376
00:54:41,990 --> 00:54:40,559
helping set a new pace for technology

1377
00:54:44,710 --> 00:54:42,000
and innovation

1378
00:54:47,349 --> 00:54:44,720
moreover our strategic competitors have

1379
00:54:49,990 --> 00:54:47,359
made space a warfighting domain

1380
00:54:51,510 --> 00:54:50,000
as secretary esper discussed last week

1381
00:54:53,430 --> 00:54:51,520
we know that our adversaries have

1382
00:54:54,390 --> 00:54:53,440
weaponized space in the last several

1383
00:54:55,910 --> 00:54:54,400
years

1384
00:54:59,109 --> 00:54:55,920
with the establishment of the space

1385
00:55:01,190 --> 00:54:59,119
force and u.s space command the united

1386
00:55:03,349 --> 00:55:01,200
states in cooperation with allies and

1387
00:55:05,750 --> 00:55:03,359
partners will maintain a persistent

1388
00:55:06,789 --> 00:55:05,760

presence in space in order to deter

1389

00:55:09,829 --> 00:55:06,799

aggression

1390

00:55:12,470 --> 00:55:09,839

provide for safe transport transit in

1391

00:55:14,710 --> 00:55:12,480

to and through space and uphold

1392

00:55:17,270 --> 00:55:14,720

internationally accepted standards of

1393

00:55:18,549 --> 00:55:17,280

responsible behavior as a good steward

1394

00:55:19,990 --> 00:55:18,559

of space

1395

00:55:22,549 --> 00:55:20,000

fortunately president trump has

1396

00:55:23,670 --> 00:55:22,559

recognized this and taken decisive

1397

00:55:26,309 --> 00:55:23,680

action

1398

00:55:28,150 --> 00:55:26,319

our national security strategy affirms

1399

00:55:30,549 --> 00:55:28,160

unfettered access to

1400

00:55:32,870 --> 00:55:30,559

and freedom to operate in space is a

1401

00:55:34,789 --> 00:55:32,880

vital national interest

1402

00:55:37,030 --> 00:55:34,799

to support this president trump direct a

1403

00:55:38,950 --> 00:55:37,040

deity to make organizational and

1404

00:55:41,589 --> 00:55:38,960

structural changes to include

1405

00:55:43,030 --> 00:55:41,599

establishing the u.s space force and u.s

1406

00:55:45,430 --> 00:55:43,040

space command

1407

00:55:48,069 --> 00:55:45,440

we are making important progress

1408

00:55:50,710 --> 00:55:48,079

on december 20th 2019 we established the

1409

00:55:53,430 --> 00:55:50,720

space force as the first new branch of

1410

00:55:55,349 --> 00:55:53,440

the armed forces since 1947

1411

00:55:57,829 --> 00:55:55,359

and we are rapidly developing and

1412

00:56:00,470 --> 00:55:57,839

integrating space power doctrine

1413

00:56:02,870 --> 00:56:00,480

capabilities and personnel across the

1414

00:56:04,950 --> 00:56:02,880

joint force vice president pence she

1415

00:56:07,829 --> 00:56:04,960

swore in general raymond as the first

1416

00:56:10,230 --> 00:56:07,839

chief of space operations last january

1417

00:56:11,589 --> 00:56:10,240

16 000 personnel have been assigned to

1418

00:56:13,030 --> 00:56:11,599

the space force

1419

00:56:16,230 --> 00:56:13,040

and initial staff has included

1420

00:56:18,230 --> 00:56:16,240

representation from the air force army

1421

00:56:20,470 --> 00:56:18,240

navy and marine corps

1422

00:56:22,309 --> 00:56:20,480

the space force is growing as the vice

1423

00:56:23,430 --> 00:56:22,319

chairman mentioned we commissioned 86

1424

00:56:25,109 --> 00:56:23,440

officers

1425

00:56:27,190 --> 00:56:25,119

from the air force academy into the

1426

00:56:28,950 --> 00:56:27,200

space force on april 18th

1427

00:56:31,589 --> 00:56:28,960

and the space force is developing its

1428

00:56:33,430 --> 00:56:31,599

doctrine and is preparing the first ever

1429

00:56:35,990 --> 00:56:33,440

capstone publication

1430

00:56:38,309 --> 00:56:36,000

on space power doctrine

1431

00:56:39,270 --> 00:56:38,319

separate with complementary to the space

1432

00:56:41,349 --> 00:56:39,280

force

1433

00:56:43,670 --> 00:56:41,359

u.s space command was established on

1434

00:56:46,309 --> 00:56:43,680

august 29 2019

1435

00:56:48,230 --> 00:56:46,319

just nine days after our last national

1436

00:56:50,069 --> 00:56:48,240

space council meeting

1437

00:56:51,829 --> 00:56:50,079

general raymond and the u.s space

1438

00:56:53,589 --> 00:56:51,839

command have made substantial progress

1439

00:56:55,430 --> 00:56:53,599

since its establishment

1440

00:56:57,750 --> 00:56:55,440

space command is updating its plans and

1441

00:57:00,150 --> 00:56:57,760

policies to reflect the new demands of

1442

00:57:02,069 --> 00:57:00,160

the warfighting domain and last week

1443

00:57:04,150 --> 00:57:02,079

finalized its campaign plan

1444

00:57:05,910 --> 00:57:04,160

outlining how we will compete and

1445

00:57:08,069 --> 00:57:05,920

posture the force to win

1446

00:57:09,910 --> 00:57:08,079

against any adversary

1447

00:57:11,750 --> 00:57:09,920

this year we submitted our first ever

1448

00:57:14,870 --> 00:57:11,760

separate budget request for the space

1449

00:57:16,710 --> 00:57:14,880

force as part of the 21st fy 21

1450

00:57:19,589 --> 00:57:16,720

president's budget cycle

1451
00:57:22,069 --> 00:57:19,599
identifying approximately 15.4 billion

1452
00:57:25,349 --> 00:57:22,079
dollars of transfer funds from across

1453
00:57:26,789 --> 00:57:25,359
drd to resource the space force

1454
00:57:28,230 --> 00:57:26,799
we announced the creation of the space

1455
00:57:30,470 --> 00:57:28,240
advisory committee of the defense

1456
00:57:33,510 --> 00:57:30,480
innovation board this subcommittee will

1457
00:57:35,510 --> 00:57:33,520
be a panel of business leaders scholars

1458
00:57:37,109 --> 00:57:35,520
entrepreneurs and technologists to

1459
00:57:39,270 --> 00:57:37,119
provide independent

1460
00:57:41,349 --> 00:57:39,280
external perspective on current

1461
00:57:43,030 --> 00:57:41,359
and future challenges and opportunities

1462
00:57:44,789 --> 00:57:43,040
in space

1463
00:57:46,549 --> 00:57:44,799

even as we implement these vital

1464

00:57:47,990 --> 00:57:46,559

organizational changes

1465

00:57:49,589 --> 00:57:48,000

the number one priority of the

1466

00:57:50,630 --> 00:57:49,599

department of defense's space force

1467

00:57:52,230 --> 00:57:50,640

remains

1468

00:57:55,030 --> 00:57:52,240

mission execution

1469

00:57:57,589 --> 00:57:55,040

providing soldiers sailors airmen and

1470

00:58:00,230 --> 00:57:57,599

marines with the world-class data and

1471

00:58:01,910 --> 00:58:00,240

services from space to ensure they can

1472

00:58:03,510 --> 00:58:01,920

operate confidently

1473

00:58:06,470 --> 00:58:03,520

anywhere in the globe

1474

00:58:07,750 --> 00:58:06,480

maneuver effectively and strike with

1475

00:58:09,670 --> 00:58:07,760

precision

1476

00:58:11,910 --> 00:58:09,680

the result is a holistic approach to

1477

00:58:12,870 --> 00:58:11,920

leadership in space across the u.s

1478

00:58:14,789 --> 00:58:12,880

government

1479

00:58:15,670 --> 00:58:14,799

so our military forces are able to

1480

00:58:17,190 --> 00:58:15,680

ensure

1481

00:58:19,670 --> 00:58:17,200

unfettered access

1482

00:58:21,510 --> 00:58:19,680

and freedom to operate in space

1483

00:58:23,910 --> 00:58:21,520

as we char charge forge with these

1484

00:58:26,069 --> 00:58:23,920

efforts we must simultaneously

1485

00:58:28,630 --> 00:58:26,079

increase public and international

1486

00:58:30,309 --> 00:58:28,640

awareness of the changing character of

1487

00:58:32,870 --> 00:58:30,319

the space domain

1488

00:58:34,870 --> 00:58:32,880

there are many risks from miscalculation

1489

00:58:36,549 --> 00:58:34,880

or misperception in space

1490

00:58:39,109 --> 00:58:36,559

and it is critical to establish

1491

00:58:40,470 --> 00:58:39,119

standards and norms of behavior in the

1492

00:58:42,549 --> 00:58:40,480

space domain

1493

00:58:44,390 --> 00:58:42,559

so think of the international maritime

1494

00:58:46,549 --> 00:58:44,400

rules that were established over

1495

00:58:49,349 --> 00:58:46,559

centuries rules that enabled clear

1496

00:58:51,030 --> 00:58:49,359

identification of irresponsible behavior

1497

00:58:52,470 --> 00:58:51,040

and rules for engagement for

1498

00:58:54,630 --> 00:58:52,480

self-defense

1499

00:58:56,630 --> 00:58:54,640

we must develop the equivalent for space

1500

00:58:59,109 --> 00:58:56,640

and ensure that nations abide by these

1501
00:59:00,230 --> 00:58:59,119
rules much as we do with the maritime

1502
00:59:01,750 --> 00:59:00,240
domain

1503
00:59:03,589 --> 00:59:01,760
to do so we are working hard with the

1504
00:59:05,829 --> 00:59:03,599
department of state as well as our

1505
00:59:08,470 --> 00:59:05,839
international allies and partners to

1506
00:59:09,510 --> 00:59:08,480
ensure the space domain is secure

1507
00:59:10,950 --> 00:59:09,520
stable

1508
00:59:12,549 --> 00:59:10,960
and accessible

1509
00:59:14,150 --> 00:59:12,559
so thank you very much for the

1510
00:59:16,309 --> 00:59:14,160
opportunity to highlight these critical

1511
00:59:17,910 --> 00:59:16,319
space activities the department of

1512
00:59:19,750 --> 00:59:17,920
defense looks forward to continuing to

1513
00:59:22,150 --> 00:59:19,760

collaborate with the executive agencies

1514

00:59:24,470 --> 00:59:22,160

represented here today and to accomplish

1515

00:59:26,390 --> 00:59:24,480

great things for the american people in

1516

00:59:28,870 --> 00:59:26,400

this fast developing domain

1517

00:59:31,030 --> 00:59:28,880

thank you mr vice president uh thank you

1518

00:59:33,829 --> 00:59:31,040

uh thank you uh

1519

00:59:35,829 --> 00:59:33,839

secretary we are really grateful for

1520

00:59:37,829 --> 00:59:35,839

your efforts the efforts of secretary

1521

00:59:39,990 --> 00:59:37,839

esper and uh

1522

00:59:42,630 --> 00:59:40,000

uh it's uh

1523

00:59:43,750 --> 00:59:42,640

it's it is exciting to be

1524

00:59:44,950 --> 00:59:43,760

around

1525

00:59:46,470 --> 00:59:44,960

during this

1526

00:59:48,309 --> 00:59:46,480

historic time

1527

00:59:50,150 --> 00:59:48,319

and i i can't uh

1528

00:59:52,470 --> 00:59:50,160

i can't thank you enough for all the

1529

00:59:54,309 --> 00:59:52,480

energy you've put into this personally

1530

00:59:56,150 --> 00:59:54,319

we want to commend you for that and give

1531

00:59:58,710 --> 00:59:56,160

the secretary our regards

1532

01:00:00,549 --> 00:59:58,720

um i'm going to call on a few members

1533

01:00:01,990 --> 01:00:00,559

here about that have been working on a

1534

01:00:03,829 --> 01:00:02,000

number of these issues i want to get a

1535

01:00:06,870 --> 01:00:03,839

few thoughts into the record but before

1536

01:00:08,789 --> 01:00:06,880

we leave the defense space um

1537

01:00:11,829 --> 01:00:08,799

let me at least take a moment to

1538

01:00:12,789 --> 01:00:11,839

acknowledge uh the passing of colonel

1539

01:00:14,950 --> 01:00:12,799

thomas

1540

01:00:17,829 --> 01:00:14,960

falzorano

1541

01:00:19,910 --> 01:00:17,839

who was a commanding officer of the 21st

1542

01:00:22,470 --> 01:00:19,920

space wing peterson

1543

01:00:23,349 --> 01:00:22,480

air force base

1544

01:00:29,349 --> 01:00:23,359

a

1545

01:00:32,470 --> 01:00:29,359

who left us too soon

1546

01:00:34,549 --> 01:00:32,480

who fell last week and um i just

1547

01:00:37,270 --> 01:00:34,559

uh i want to mention him for the record

1548

01:00:41,030 --> 01:00:37,280

the national space council he uh

1549

01:00:43,430 --> 01:00:41,040

he played a vital role

1550

01:00:46,069 --> 01:00:43,440

uh in standing up uh the united states

1551
01:00:48,230 --> 01:00:46,079
space force and he'll ever be remembered

1552
01:00:50,309 --> 01:00:48,240
uh as a part of the

1553
01:00:52,230 --> 01:00:50,319
first generation of space force leaders

1554
01:00:54,710 --> 01:00:52,240
and we uh we

1555
01:00:57,190 --> 01:00:54,720
uh send our deepest sympathies

1556
01:00:58,630 --> 01:00:57,200
to colonel uh fosarano's uh

1557
01:01:00,870 --> 01:00:58,640
young family

1558
01:01:02,789 --> 01:01:00,880
and i know we express the

1559
01:01:04,789 --> 01:01:02,799
great uh gratitude

1560
01:01:07,589 --> 01:01:04,799
uh and respect and sympathies of the

1561
01:01:10,549 --> 01:01:07,599
president of the united states as well

1562
01:01:11,990 --> 01:01:10,559
uh with that uh let me recognize

1563
01:01:14,069 --> 01:01:12,000

some people that have also just been

1564

01:01:17,349 --> 01:01:14,079

great allies in implementing the

1565

01:01:19,990 --> 01:01:17,359

president's vision for space leadership

1566

01:01:23,990 --> 01:01:20,000

he is a tight-fisted director of the

1567

01:01:26,390 --> 01:01:24,000

office of management and budget

1568

01:01:28,710 --> 01:01:26,400

as the

1569

01:01:30,950 --> 01:01:28,720

the nasa administrator can personally

1570

01:01:34,549 --> 01:01:30,960

attest

1571

01:01:37,030 --> 01:01:34,559

but has been a great great steward of

1572

01:01:39,430 --> 01:01:37,040

america's taxpayer resources in the last

1573

01:01:42,069 --> 01:01:39,440

budget

1574

01:01:44,549 --> 01:01:42,079

russ vote worked closely with this team

1575

01:01:46,069 --> 01:01:44,559

to end with nasa to

1576

01:01:48,870 --> 01:01:46,079

provide increased funding for human

1577

01:01:51,829 --> 01:01:48,880

space exploration

1578

01:01:54,069 --> 01:01:51,839

and i just like to recognize you for

1579

01:01:56,390 --> 01:01:54,079

a few thoughts about how

1580

01:01:58,549 --> 01:01:56,400

the role that omb continues to play in

1581

01:02:00,309 --> 01:01:58,559

ensuring that we're focusing uh

1582

01:02:02,630 --> 01:02:00,319

those resources on president trump's

1583

01:02:04,230 --> 01:02:02,640

vision for human space exploration thank

1584

01:02:05,510 --> 01:02:04,240

you mr vice president i think one of the

1585

01:02:07,029 --> 01:02:05,520

things that as a result of your

1586

01:02:09,670 --> 01:02:07,039

leadership and the president's

1587

01:02:12,630 --> 01:02:09,680

leadership is that we've never had

1588

01:02:14,309 --> 01:02:12,640

as close a relationship with with nasa

1589

01:02:15,190 --> 01:02:14,319

and with jim

1590

01:02:17,349 --> 01:02:15,200

we

1591

01:02:19,109 --> 01:02:17,359

have early on made it our mission to

1592

01:02:21,510 --> 01:02:19,119

stay linked up and see things through

1593

01:02:23,589 --> 01:02:21,520

each other's eyes so that when a net

1594

01:02:25,510 --> 01:02:23,599

resources is necessary

1595

01:02:27,589 --> 01:02:25,520

we at omb are not dispassionate but have

1596

01:02:30,150 --> 01:02:27,599

a rooting interest in

1597

01:02:32,390 --> 01:02:30,160

both uh securing those resources and

1598

01:02:33,990 --> 01:02:32,400

then as as this week is our first chance

1599

01:02:35,990 --> 01:02:34,000

to really see it

1600

01:02:37,589 --> 01:02:36,000

in motion and so that's why we are very

1601
01:02:40,390 --> 01:02:37,599
excited for next week we wish you the

1602
01:02:43,270 --> 01:02:40,400
best of luck and and all the blessings

1603
01:02:45,589 --> 01:02:43,280
of god as you uh take this critical step

1604
01:02:47,589 --> 01:02:45,599
that is crucial to get us onto the moon

1605
01:02:49,430 --> 01:02:47,599
by 2024 so

1606
01:02:51,190 --> 01:02:49,440
whether it's securing the resources or

1607
01:02:52,789 --> 01:02:51,200
ensuring that your regulations go

1608
01:02:54,870 --> 01:02:52,799
through in a timely manner which we will

1609
01:02:56,710 --> 01:02:54,880
absolutely ensure that we do or

1610
01:02:58,069 --> 01:02:56,720
considering future departments to be

1611
01:03:00,710 --> 01:02:58,079
created for the cabinet of the united

1612
01:03:02,870 --> 01:03:00,720
states uh all of these ideas are things

1613
01:03:04,950 --> 01:03:02,880

that we will continue to to work on but

1614

01:03:06,950 --> 01:03:04,960

it starts from the premise that has been

1615

01:03:07,670 --> 01:03:06,960

laid out by you and the president which

1616

01:03:10,150 --> 01:03:07,680

is

1617

01:03:12,230 --> 01:03:10,160

we are all in and we work as a team and

1618

01:03:14,710 --> 01:03:12,240

we're going to get the job done

1619

01:03:17,349 --> 01:03:14,720

well uh thank you russ and i thank the

1620

01:03:18,710 --> 01:03:17,359

whole team at omb um

1621

01:03:20,789 --> 01:03:18,720

i've never heard the term rooting

1622

01:03:23,109 --> 01:03:20,799

interest

1623

01:03:25,270 --> 01:03:23,119

but it's very descriptive

1624

01:03:27,829 --> 01:03:25,280

and i i know the president is grateful

1625

01:03:30,150 --> 01:03:27,839

for the way that you've worked closely

1626

01:03:32,549 --> 01:03:30,160

uh with the nasa team to find out where

1627

01:03:35,190 --> 01:03:32,559

we can efficiently provide resources to

1628

01:03:36,950 --> 01:03:35,200

implement the president's vision and uh

1629

01:03:38,309 --> 01:03:36,960

we're grateful to your whole team for

1630

01:03:40,230 --> 01:03:38,319

your role in that

1631

01:03:42,230 --> 01:03:40,240

uh i want to recognize a few uh new

1632

01:03:45,349 --> 01:03:42,240

members but i'm going to have

1633

01:03:47,109 --> 01:03:45,359

secretary wolf and ambassador o'brien um

1634

01:03:48,150 --> 01:03:47,119

that clean up on this with their

1635

01:03:49,750 --> 01:03:48,160

thoughts but

1636

01:03:51,430 --> 01:03:49,760

rick grinnell is the acting director of

1637

01:03:53,670 --> 01:03:51,440

national intelligence

1638

01:03:55,510 --> 01:03:53,680

has stepped into that job

1639

01:03:57,109 --> 01:03:55,520

after serving the united states with a

1640

01:03:59,430 --> 01:03:57,119

great distinction

1641

01:04:02,230 --> 01:03:59,440

at a critical outpost in europe as our

1642

01:04:04,710 --> 01:04:02,240

ambassador to germany and but rick i i

1643

01:04:06,470 --> 01:04:04,720

know you are a space enthusiast

1644

01:04:09,670 --> 01:04:06,480

did you have any reflections on what

1645

01:04:11,349 --> 01:04:09,680

you've heard today and particularly what

1646

01:04:13,589 --> 01:04:11,359

from your outposts what you see is the

1647

01:04:15,990 --> 01:04:13,599

significance of america's continued

1648

01:04:19,109 --> 01:04:16,000

investment in space security

1649

01:04:21,190 --> 01:04:19,119

thank you mr vice president

1650

01:04:24,870 --> 01:04:21,200

i'm really honored to be here i'm struck

1651
01:04:27,510 --> 01:04:24,880
with one thing as we listen to everyone

1652
01:04:29,349 --> 01:04:27,520
it's super

1653
01:04:30,150 --> 01:04:29,359
inspiring

1654
01:04:31,990 --> 01:04:30,160
it's

1655
01:04:34,549 --> 01:04:32,000
very exciting

1656
01:04:36,309 --> 01:04:34,559
but i'm also struck with the

1657
01:04:38,230 --> 01:04:36,319
well this is nice to do it's really

1658
01:04:41,750 --> 01:04:38,240
something that we need to do

1659
01:04:43,109 --> 01:04:41,760
you look at the intelligence uh from our

1660
01:04:45,349 --> 01:04:43,119
enemies

1661
01:04:46,710 --> 01:04:45,359
and others across

1662
01:04:49,029 --> 01:04:46,720
the world

1663
01:04:50,710 --> 01:04:49,039

i'm looking every day at iran and russia

1664

01:04:51,589 --> 01:04:50,720

and china what they're trying to do in

1665

01:04:54,150 --> 01:04:51,599

space

1666

01:04:55,589 --> 01:04:54,160

this is not just something that we need

1667

01:04:58,309 --> 01:04:55,599

to do first

1668

01:05:01,029 --> 01:04:58,319

but we need to do it because it will

1669

01:05:02,710 --> 01:05:01,039

ensure safety of not only americans but

1670

01:05:04,710 --> 01:05:02,720

ensure the safety

1671

01:05:08,069 --> 01:05:04,720

of freedom-loving people around the

1672

01:05:10,069 --> 01:05:08,079

world but we see everyday threats that

1673

01:05:11,589 --> 01:05:10,079

are continuing

1674

01:05:13,589 --> 01:05:11,599

in space

1675

01:05:15,029 --> 01:05:13,599

threats to our water and to our

1676

01:05:17,270 --> 01:05:15,039

technology

1677

01:05:20,069 --> 01:05:17,280

and to every

1678

01:05:21,829 --> 01:05:20,079

item that touches a chip

1679

01:05:23,990 --> 01:05:21,839

this is something that we need to do

1680

01:05:26,870 --> 01:05:24,000

it's not just nice to do and as

1681

01:05:28,230 --> 01:05:26,880

inspiring as it is i want to just state

1682

01:05:30,549 --> 01:05:28,240

for the record

1683

01:05:32,309 --> 01:05:30,559

that this group and all the work that's

1684

01:05:34,470 --> 01:05:32,319

gone before me

1685

01:05:37,029 --> 01:05:34,480

is a visionary

1686

01:05:39,270 --> 01:05:37,039

to step out and to do this

1687

01:05:41,430 --> 01:05:39,280

where it seemed i think in the beginning

1688

01:05:43,829 --> 01:05:41,440

something that the public thought was

1689

01:05:47,109 --> 01:05:43,839

just a nice to do

1690

01:05:48,950 --> 01:05:47,119

it's really encouraging to have experts

1691

01:05:50,870 --> 01:05:48,960

that recognize that this is something

1692

01:05:53,270 --> 01:05:50,880

that we had to do and that we were late

1693

01:05:55,750 --> 01:05:53,280

so thank you for your leadership because

1694

01:05:59,829 --> 01:05:55,760

leadership means stepping out when

1695

01:06:01,910 --> 01:05:59,839

others think uh it's not quite necessary

1696

01:06:03,510 --> 01:06:01,920

and i can tell you as direct acting

1697

01:06:04,950 --> 01:06:03,520

director of national intelligence is

1698

01:06:07,109 --> 01:06:04,960

very necessary

1699

01:06:09,109 --> 01:06:07,119

thank you greg

1700

01:06:11,349 --> 01:06:09,119

very well said and we look at those

1701
01:06:13,990 --> 01:06:11,359
briefings that your teams prepare every

1702
01:06:15,910 --> 01:06:14,000
day and uh those are

1703
01:06:19,029 --> 01:06:15,920
those are very apt words and i'm i'm

1704
01:06:21,510 --> 01:06:19,039
glad to have them in the record today

1705
01:06:24,710 --> 01:06:21,520
with that she is also the new

1706
01:06:26,390 --> 01:06:24,720
director of the domestic policy council

1707
01:06:28,150 --> 01:06:26,400
for the president of the united states

1708
01:06:29,430 --> 01:06:28,160
but

1709
01:06:31,990 --> 01:06:29,440
the administrative be happy to know

1710
01:06:33,510 --> 01:06:32,000
she's a texan

1711
01:06:35,910 --> 01:06:33,520
there seems to be some relationship

1712
01:06:38,789 --> 01:06:35,920
between

1713
01:06:40,710 --> 01:06:38,799

texans which uh and the space program so

1714

01:06:42,870 --> 01:06:40,720

brooke i i just wanted to

1715

01:06:44,950 --> 01:06:42,880

i wanted to invite you had something to

1716

01:06:47,270 --> 01:06:44,960

do with another vice president if memory

1717

01:06:49,029 --> 01:06:47,280

serves i want to invite you to share a

1718

01:06:50,789 --> 01:06:49,039

few uh remarks your reflections your

1719

01:06:52,630 --> 01:06:50,799

first space council meeting thank you so

1720

01:06:54,630 --> 01:06:52,640

much what an honor to be here on just a

1721

01:06:55,910 --> 01:06:54,640

couple days on the job um having been

1722

01:06:57,510 --> 01:06:55,920

with the president the vice president

1723

01:06:59,270 --> 01:06:57,520

the last two years

1724

01:07:00,789 --> 01:06:59,280

in the office of american innovation in

1725

01:07:02,870 --> 01:07:00,799

the white house and now taking on the

1726

01:07:04,309 --> 01:07:02,880

additional role of the domestic policy

1727

01:07:05,430 --> 01:07:04,319

council is obviously the honor of a

1728

01:07:07,190 --> 01:07:05,440

lifetime