



1
00:00:04,003 --> 00:00:04,804
>> LADIES AND GENTLEMEN WELCOME

2
00:00:04,871 --> 00:00:09,242
TO THE NATIONAL SPACE COUNCIL.

3
00:00:09,309 --> 00:00:16,015
THE SECRETARY OF COMMERCE.

4
00:00:16,082 --> 00:00:17,650
THE SECRETARY OF HOMELAND

5
00:00:17,717 --> 00:00:31,064
SECURITY.

6
00:00:31,131 --> 00:00:34,167
THE ASSISTANT TO THE PRESIDENT

7
00:00:34,234 --> 00:00:40,240
FOR NATIONAL SECURITY AFFAIRS.

8
00:00:40,306 --> 00:00:50,683
[APPLAUSE]

9
00:00:50,750 --> 00:00:51,818
THE ASSISTANT TO THE PRESIDENT

10
00:00:51,885 --> 00:00:54,654
FOR HOMELAND SECURITY AND

11
00:00:54,721 --> 00:00:56,055
COUNTER TERRORISM.

12
00:00:56,122 --> 00:00:59,559
[APPLAUSE]

13
00:00:59,626 --> 00:01:05,732

DEPUTY SECRETARY OF DEFENSE.

14

00:01:05,799 --> 00:01:06,199

[APPLAUSE]

15

00:01:06,266 --> 00:01:07,767

THE DEPUTY SECRETARY OF

16

00:01:07,834 --> 00:01:13,239

TRANSPORTATION.

17

00:01:13,306 --> 00:01:16,676

[APPLAUSE]

18

00:01:16,743 --> 00:01:18,945

PRINCIPAL DEPUTY DIRECTOR OF

19

00:01:19,012 --> 00:01:20,280

NATIONAL INTELLIGENCE.

20

00:01:20,346 --> 00:01:21,948

[APPLAUSE]

21

00:01:22,015 --> 00:01:26,486

THE CHAIRMAN OF THE JOINT CHIEFS

22

00:01:26,553 --> 00:01:27,420

OF STAFF.

23

00:01:27,487 --> 00:01:30,690

[APPLAUSE]

24

00:01:30,757 --> 00:01:34,027

THE ADMINISTRATOR OF THE OFFICE

25

00:01:34,093 --> 00:01:35,228

OF INFORMATION AND REGULATORY

26

00:01:35,295 --> 00:01:40,300

AFFAIRS.

27

00:01:40,366 --> 00:01:40,767

[APPLAUSE]

28

00:01:40,834 --> 00:01:41,568

THE DEPUTY CHIEF TECHNOLOGY

29

00:01:41,634 --> 00:01:48,508

OFFICER OF THE UNITED STATES.

30

00:01:48,575 --> 00:03:36,282

[APPLAUSE]

31

00:03:36,349 --> 00:03:38,518

THE ACTING ADMINISTRATOR OF THE

32

00:03:38,585 --> 00:03:42,288

NATIONAL AERONAUTICS AND SPACE

33

00:03:42,355 --> 00:03:42,889

ADMINISTRATION.

34

00:03:42,956 --> 00:03:59,672

[APPLAUSE]

35

00:03:59,739 --> 00:04:02,475

>> GOOD MORNING, EVERYONE.

36

00:04:02,542 --> 00:04:04,978

I THINK I CAN DO BETTER THAN

37

00:04:05,044 --> 00:04:08,247

THAT.

38

00:04:08,314 --> 00:04:09,549

GOOD MORNING, EVERYONE.

39

00:04:09,616 --> 00:04:11,050

IT'S AN HONOR TO BE HERE WITH

40

00:04:11,117 --> 00:04:15,722

SO MANY DISTINGUISHED GUESTS.

41

00:04:15,788 --> 00:04:20,960

HERE AT KENNEDY SPACE CENTER.

42

00:04:21,027 --> 00:04:21,394

WELCOME.

43

00:04:21,461 --> 00:04:24,197

NASA SPACE GOES THROUGH THIS

44

00:04:24,263 --> 00:04:24,631

PLACE.

45

00:04:24,697 --> 00:04:26,099

THIS FACILITY THAT YOU'RE HERE

46

00:04:26,165 --> 00:04:29,936

RIGHT NOW, THIS WAS FULL OF

47

00:04:30,003 --> 00:04:31,704

HARDWARE TO COMPLETE THE

48

00:04:31,771 --> 00:04:33,606

INTERNATIONAL SPACE STATION.

49

00:04:33,673 --> 00:04:35,208

IT'S HARD TO THINK THAT ALL THAT

50

00:04:35,274 --> 00:04:36,976

HARDWARE THAT WAS HERE IS IN

51
00:04:37,043 --> 00:04:37,777
ORBIT TODAY.

52
00:04:37,844 --> 00:04:39,479
AND TODAY WE GET TO TALK ABOUT

53
00:04:39,545 --> 00:04:41,214
THE NEXT STEPS AND THIS JOURNEY

54
00:04:41,280 --> 00:04:50,056
OF EXPLORATION THAT WE'RE ON.

55
00:04:50,123 --> 00:04:52,825
VICE PRESIDENT PENCE HAS VISITED

56
00:04:52,892 --> 00:04:54,661
KENNEDY SPACE CENTER A COUPLE OF

57
00:04:54,727 --> 00:04:56,262
TIMES TO SEE LAUNCHES, AND CAME

58
00:04:56,329 --> 00:04:58,398
LAST YEAR TO UNDERSTAND THAT

59
00:04:58,464 --> 00:05:01,000
TRANSFORMATION THAT WE MADE AT

60
00:05:01,067 --> 00:05:02,502
THE KENNEDY SPACE CENTER BEFORE

61
00:05:02,568 --> 00:05:04,270
HE BEGAN TO CHAIR THE SPACE

62
00:05:04,337 --> 00:05:05,004
COUNCIL.

63
00:05:05,071 --> 00:05:07,440

WE'RE LUCKY TO HAVE A VICE

64

00:05:07,507 --> 00:05:09,242

PRESIDENT WHO LOVES AMERICA'S

65

00:05:09,308 --> 00:05:11,244

SPACE PROGRAM AS MUCH AS VICE

66

00:05:11,310 --> 00:05:12,211

PRESIDENT PENCE DOES.

67

00:05:12,278 --> 00:05:15,381

HE INTRODUCED OUR ASTRONAUTS TO

68

00:05:15,448 --> 00:05:17,750

THE WORLD TO HOUSTON.

69

00:05:17,817 --> 00:05:23,089

HE LAUNCHED THE HARDWARE AT M

70

00:05:23,156 --> 00:05:27,193

MARSHALL SPACECRAFT CENTER.

71

00:05:27,260 --> 00:05:28,961

THE VICE PRESIDENT IS ONE OF THE

72

00:05:29,028 --> 00:05:32,865

BIGGEST ADVOCATES FOR MANY

73

00:05:32,932 --> 00:05:34,500

BENEFITS THAT THIS BRINGS TO OUR

74

00:05:34,567 --> 00:05:36,869

NATION'S ECONOMY AND SECURITY.

75

00:05:36,936 --> 00:05:38,271

THE BRIDGE BUILT ACROSS THIS

76

00:05:38,337 --> 00:05:42,341

WORLD AND THE INSPIRATION THAT

77

00:05:42,408 --> 00:05:46,813

PROVIDES THE NEXT GENERATION OF

78

00:05:46,879 --> 00:05:47,413

EXPLORERS.

79

00:05:47,480 --> 00:05:49,782

HIS PASSION FOR SPACE HAS

80

00:05:49,849 --> 00:05:54,954

PREPARED HIM WELL FOR THE MANY

81

00:05:55,021 --> 00:05:57,390

HATS THAT HE WEARS.

82

00:05:57,457 --> 00:06:02,061

WELCOME WITH ME THE CHAIR THE

83

00:06:02,128 --> 00:06:04,797

NATIONAL SPACE COUNCIL VICE

84

00:06:04,864 --> 00:06:05,665

PRESIDENT MIKE PENCE.

85

00:06:05,732 --> 00:06:16,609

[MUSIC]

86

00:06:16,676 --> 00:06:29,288

[APPLAUSE]

87

00:06:29,355 --> 00:06:33,092

>> NASA ADMINISTRATOR LIGHTFOOT,

88

00:06:33,159 --> 00:06:35,561

THANK YOU FOR THAT KIND

89

00:06:35,628 --> 00:06:36,129

INTRODUCTION.

90

00:06:36,195 --> 00:06:38,231

LET'S GIVE HIM ANOTHER ROUND OF

91

00:06:38,297 --> 00:06:41,367

APPLAUSE FOR DOING AN

92

00:06:41,434 --> 00:06:43,569

OUTSTANDING JOB.

93

00:06:43,636 --> 00:06:44,003

[APPLAUSE]

94

00:06:44,070 --> 00:06:45,138

THANK YOU FOR FOR BEING HERE.

95

00:06:45,204 --> 00:06:47,940

MEMBERS OF THE CABINET, MEMBERS

96

00:06:48,007 --> 00:06:49,842

OF CONGRESS, HONORED GUESTS AND

97

00:06:49,909 --> 00:06:50,643

GATHERED HEROES.

98

00:06:50,710 --> 00:06:53,479

IT IS GREAT TO BE BACK AT

99

00:06:53,546 --> 00:06:55,448

AMERICA'S SPACE COAST.

100

00:06:55,515 --> 00:06:57,950

AT THIS HISTORIC PLACE WHERE THE

101
00:06:58,017 --> 00:07:00,853
MEN AND WOMEN OF THE JOHN F

102
00:07:00,920 --> 00:07:02,855
KENNEDY SPACE CENTER.

103
00:07:02,922 --> 00:07:04,023
THE PRIDE OF THE NATION.

104
00:07:04,090 --> 00:07:06,425
[APPLAUSE]

105
00:07:06,492 --> 00:07:08,561
IT'S MY HONOR TO WELCOME YOU ALL

106
00:07:08,628 --> 00:07:10,563
HERE TODAY TO THE SECOND MEETING

107
00:07:10,630 --> 00:07:15,134
OF THE NEWLY RECONSTITUTED

108
00:07:15,201 --> 00:07:16,202
NATIONAL SPACE COUNCIL.

109
00:07:16,269 --> 00:07:17,804
BEFORE I GET STARTED, STANDING

110
00:07:17,870 --> 00:07:21,174
HERE IN FLORIDA, ALLOW ME TO

111
00:07:21,240 --> 00:07:23,509
TAKE A MOMENT TO ADDRESS WHAT IS

112
00:07:23,576 --> 00:07:23,575
ON THE HEARTS OF EVERY AMERICAN:

113
00:07:28,848 --> 00:07:24,576

:

114
00:07:28,915 --> 00:07:30,516
THE TERRIBLE ATTACK THAT TOOK

115
00:07:30,583 --> 00:07:32,585
PLACE HERE LAST WEEK.

116
00:07:32,652 --> 00:07:34,654
WE MOURN WITH THOSE WHO MOURN,

117
00:07:34,720 --> 00:07:38,291
AND WE GRIEVE WITH THOSE WHO

118
00:07:38,357 --> 00:07:38,658
GRIEVE.

119
00:07:38,724 --> 00:07:41,427
LET ME ASSURE ALL FLORIDIANS,

120
00:07:41,494 --> 00:07:43,062
ESPECIALLY THOSE AFFECTED BY

121
00:07:43,129 --> 00:07:45,898
THIS TERRIBLE ATTACK, THAT AS

122
00:07:45,965 --> 00:07:47,433
PRESIDENT TRUMP SAID OUR ENTIRE

123
00:07:47,500 --> 00:07:51,537
NATION WITH ONE HEAVY HEART, IS

124
00:07:51,604 --> 00:07:52,839
PRAYING FOR YOU ALL.

125
00:07:52,905 --> 00:07:54,607
AS THE PRESIDENT SAID, NO CHILD,

126
00:07:54,674 --> 00:07:57,143
NO TEACHER SHOULD EVER BE IN

127
00:07:57,210 --> 00:07:58,978
DANGER IN AN AMERICAN SCHOOL.

128
00:07:59,045 --> 00:08:06,152
EARLIER THIS WEEK PRESIDENT

129
00:08:06,219 --> 00:08:08,688
TRUMP DIRECTED THE ATTORNEY

130
00:08:08,754 --> 00:08:13,326
GENERAL TO EXPEDITE THE BUMP

131
00:08:13,392 --> 00:08:13,659
STOCKS.

132
00:08:13,726 --> 00:08:15,094
WE JOINED THE PRESIDENT FOR A

133
00:08:15,161 --> 00:08:16,596
LISTENING SESSION, AND WE'LL

134
00:08:16,662 --> 00:08:18,097
GATHER TOGETHER WITH STUDENTS,

135
00:08:18,164 --> 00:08:22,401
PARENTS AND TEACHERS FROM

136
00:08:22,468 --> 00:08:25,037
PARKLAND, FLORIDA, AND WITH

137
00:08:25,104 --> 00:08:26,172
COMMUNITIES WHO HAVE BEEN

138
00:08:26,239 --> 00:08:31,911

AFFECTED IN THE PAST LIKE

139

00:08:31,978 --> 00:08:33,679

COLUMBINE AND SANDY HOOK.

140

00:08:33,746 --> 00:08:34,480

PRESIDENT TRUMP WILL MAKE THE

141

00:08:34,547 --> 00:08:39,151

SAFETY OF OUR NATION'S SCHOOLS

142

00:08:39,218 --> 00:08:40,887

AND STUDENTS OUR TOP PRIORITY.

143

00:08:40,953 --> 00:08:47,393

[APPLAUSE]

144

00:08:47,460 --> 00:08:50,696

THIS PRESIDENT AND OUR ENTIRE

145

00:08:50,763 --> 00:08:51,831

ADMINISTRATION WILL FOCUS ON

146

00:08:51,898 --> 00:08:53,666

RENEWED ENERGY ON MAKING OUR

147

00:08:53,733 --> 00:08:56,002

SCHOOLS SAFE, AND GIVING A FRESH

148

00:08:56,068 --> 00:08:57,803

LOOK AT LAW ENFORCEMENT AND

149

00:08:57,870 --> 00:09:01,173

FAMILIES THE TOOLS THEY NEED TO

150

00:09:01,240 --> 00:09:02,508

DEAL WITH DANGEROUS MENTAL

151
00:09:02,575 --> 00:09:02,942
ILLNESS.

152
00:09:03,009 --> 00:09:04,477
AS WE MOVE FORWARD WE'LL

153
00:09:04,543 --> 00:09:08,214
CONTINUE TO PRAY FOR GOD'S GRACE

154
00:09:08,281 --> 00:09:10,950
AND COMFORT FOR THE DIFFICULT

155
00:09:11,017 --> 00:09:12,385
DAYS THAT LIE AHEAD.

156
00:09:12,451 --> 00:09:14,687
LET'S PRAY FOR GOD'S WISDOM, FOR

157
00:09:14,754 --> 00:09:17,023
ALL OF US IN POSITIONS 6

158
00:09:17,089 --> 00:09:18,958
AUTHORITY, THAT WE MIGHT FIND A

159
00:09:19,025 --> 00:09:20,660
WAY TO COME TOGETHER AS A NATION

160
00:09:20,726 --> 00:09:23,462
TO CONFRONT AND END THIS EVIL OF

161
00:09:23,529 --> 00:09:25,031
OUR TIME ONCE AND FOR ALL.

162
00:09:25,097 --> 00:09:28,534
THANK YOU FOR THAT.

163
00:09:28,601 --> 00:09:31,137

ONCE AGAIN, IT IS MY GREAT HONOR

164

00:09:31,203 --> 00:09:32,772

TO WELCOME ALL OF YOU TO THE

165

00:09:32,838 --> 00:09:34,373

SECOND MEETING OF THE NATIONAL

166

00:09:34,440 --> 00:09:36,042

SPACE COUNCIL.

167

00:09:36,108 --> 00:09:37,610

I BRING GREETINGS, FIRST AND

168

00:09:37,677 --> 00:09:39,211

FOREMOST, FROM A PASSIONATE

169

00:09:39,278 --> 00:09:41,180

CHAMPION OF AMERICA'S SPACE

170

00:09:41,247 --> 00:09:43,482

COAST AND AMERICA'S SPACE

171

00:09:43,549 --> 00:09:44,951

PROGRAM, A VISIONARY, WHO I CAN

172

00:09:45,017 --> 00:09:47,019

ASSURE YOU IS COMMITTED TO

173

00:09:47,086 --> 00:09:48,988

AMERICAN LEADERSHIP IN THE

174

00:09:49,055 --> 00:09:50,623

BOUNDLESS EXPANSE OF SPACE.

175

00:09:50,690 --> 00:09:51,824

I BRING GREETINGS FROM THE

176
00:09:51,891 --> 00:09:52,892
45TH PRESIDENT OF THE UNITED

177
00:09:52,959 --> 00:09:55,227
STATES OF AMERICA, PRESIDENT

178
00:09:55,294 --> 00:09:59,365
DONALD TRUMP.

179
00:09:59,432 --> 00:09:59,832
[APPLAUSE]

180
00:09:59,899 --> 00:10:03,002
JUST OVER A YEAR AGO PRESIDENT

181
00:10:03,069 --> 00:10:06,539
TRUMP DECLARED THAT OUR NATION

182
00:10:06,605 --> 00:10:08,207
STANDS--IN HIS WORDS--AT THE

183
00:10:08,274 --> 00:10:12,278
BIRTH OF A NEW MILLENNIUM, READY

184
00:10:12,345 --> 00:10:16,449
TO UNLOCK THE MYSTERIES OF

185
00:10:16,515 --> 00:10:17,817
SPACE.

186
00:10:17,883 --> 00:10:18,684
UNDER PRESIDENT TRUMP, AMERICA

187
00:10:18,751 --> 00:10:24,924
IS LEADING IN SPACE ONCE AGAIN.

188
00:10:24,991 --> 00:10:25,391

[APPLAUSE]

189

00:10:25,458 --> 00:10:26,592

IT'S REALITY REMARKABLE TO THINK

190

00:10:26,659 --> 00:10:28,027

OF ALL WE ACCOMPLISHED TOGETHER

191

00:10:28,094 --> 00:10:29,595

IN THE LAST 13 MONTHS.

192

00:10:29,662 --> 00:10:31,430

WE RELAUNCHED THIS NATIONAL

193

00:10:31,497 --> 00:10:33,366

SPACE COUNCIL, AN ORGANIZATION

194

00:10:33,432 --> 00:10:35,401

OF VITAL IMPORTANCE IN AMERICA'S

195

00:10:35,468 --> 00:10:37,737

FUTURE IN SPACE THAT LAY DORMANT

196

00:10:37,803 --> 00:10:39,171

FOR A QUARTER OF A CENTURY.

197

00:10:39,238 --> 00:10:41,407

WE ESTABLISHED A NEW NATIONAL

198

00:10:41,474 --> 00:10:42,675

SECURITY STRATEGY THAT IS

199

00:10:42,742 --> 00:10:43,976

SPURRING THE DEVELOPMENT OF

200

00:10:44,043 --> 00:10:45,044

SPACE TECHNOLOGY, TECHNOLOGY

201
00:10:45,111 --> 00:10:46,812
THAT WE NEED TO DEFEND OUR

202
00:10:46,879 --> 00:10:47,780
NATIONAL SECURITY AND PROTECT

203
00:10:47,847 --> 00:10:48,748
OUR WAY OF LIFE.

204
00:10:48,814 --> 00:10:50,282
IN DECEMBER, PRESIDENT TRUMP

205
00:10:50,349 --> 00:10:53,019
SIGNED AN EXECUTIVE ORDER SPACE

206
00:10:53,085 --> 00:10:54,186
POLICY DIRECTIVE ONE THAT MAKES

207
00:10:54,253 --> 00:10:55,654
IT A NATIONAL POLICY OF THE

208
00:10:55,721 --> 00:10:59,792
UNITED STATES TO RETURN TO THE

209
00:10:59,859 --> 00:11:01,360
MOON, AND PUT AMERICANS ON

210
00:11:01,427 --> 00:11:05,731
MARCHES, AND BRING RENEWED FOCUS

211
00:11:05,798 --> 00:11:07,666
TO HUMAN EXPLORATION IN SPACE.

212
00:11:07,733 --> 00:11:14,273
[APPLAUSE]

213
00:11:14,340 --> 00:11:16,275

LAST WEEK THE PRESIDENT PROPOSED

214

00:11:16,342 --> 00:11:18,077

A BUDGET TO EXTEND EXPLORATION

215

00:11:18,144 --> 00:11:19,979

OF THE OUTER REACHES OF OUR

216

00:11:20,046 --> 00:11:21,847

SOLAR SYSTEM AND REDIRECT

217

00:11:21,914 --> 00:11:23,082

SUPPORT OF THE INTERNATIONAL

218

00:11:23,149 --> 00:11:25,584

SPACE STATION BY 2025 AND

219

00:11:25,651 --> 00:11:27,920

ENCOURAGED AMERICA'S PIONEERING

220

00:11:27,987 --> 00:11:28,788

SPACE COMPANIES IN THE PRIVATE

221

00:11:28,854 --> 00:11:30,289

SECTOR TO INCREASE THEIR

222

00:11:30,356 --> 00:11:33,459

ACTIVITY IN LOW-EARTH ORBIT,

223

00:11:33,526 --> 00:11:34,794

WHERE THE GOVERNMENT WILL BE A

224

00:11:34,860 --> 00:11:38,330

PARTNER AND A CUSTOMER, NOT A

225

00:11:38,397 --> 00:11:41,801

COMPETE ITTER.

226

00:11:41,867 --> 00:11:44,036

--COMPETITOR.

227

00:11:44,103 --> 00:11:44,703

[APPLAUSE]

228

00:11:44,770 --> 00:11:48,474

AND JUST LAST NIGHT IT WAS MY

229

00:11:48,541 --> 00:11:50,509

GREAT PRIVILEGE TO ANNOUNCE WE

230

00:11:50,576 --> 00:11:52,478

SELECTED OUR NOMINEES USER

231

00:11:52,545 --> 00:11:53,446

ADVISORY GROUP.

232

00:11:53,512 --> 00:11:54,847

IT'S AN EXTRAORDINARY GROUP OF

233

00:11:54,914 --> 00:11:55,915

AMERICANS THAT IS BRINGING

234

00:11:55,981 --> 00:11:58,084

TOGETHER SOME OF THE BRIGHTEST

235

00:11:58,150 --> 00:11:59,085

MINDS IN THIS COUNTRY, TO

236

00:11:59,151 --> 00:12:01,887

ACCELERATE INNOVATION ACROSS OUR

237

00:12:01,954 --> 00:12:02,721

SPACE ENTERPRISE.

238

00:12:02,788 --> 00:12:04,323

ALL OF OUR INDIVIDUALS NOMINATED

239

00:12:04,390 --> 00:12:07,993

FOR THE USERS ADVISORY GROUP ARE

240

00:12:08,060 --> 00:12:08,861

PIONEERS IN THEIR FIELD.

241

00:12:08,928 --> 00:12:10,896

THEY'RE EXPLORERS, THEY'RE

242

00:12:10,963 --> 00:12:11,397

BUILDERS.

243

00:12:11,464 --> 00:12:13,732

SOME HAVE BUILT ROCKETS, SOME

244

00:12:13,799 --> 00:12:16,368

HAVE BUILT BUSINESSES.

245

00:12:16,435 --> 00:12:18,737

SOME HAVE BUILT A CRITICAL ROLE

246

00:12:18,804 --> 00:12:19,939

IN THE SPACE FUTURE.

247

00:12:20,005 --> 00:12:22,274

I WOULD LIKE TO ASK THOSE AMONG

248

00:12:22,341 --> 00:12:26,479

THE 29 NOMINEES OF OUR USER

249

00:12:26,545 --> 00:12:28,180

ADVISORY GROUP TO PLEASE STAND

250

00:12:28,247 --> 00:12:30,816

AND THANKING AND CONGRATULATING

251
00:12:30,883 --> 00:12:33,752
THE NEWEST MEMBERS OF THIS USER

252
00:12:33,819 --> 00:12:34,820
ADVISORY GROUP FOR STEPPING UP

253
00:12:34,887 --> 00:12:36,789
TO SERVE OUR COUNTRY AT THERE

254
00:12:36,856 --> 00:12:38,457
VITAL MOMENT IN THE LIFE OF OUR

255
00:12:38,524 --> 00:12:39,191
SPACE PROGRAM.

256
00:12:39,258 --> 00:12:46,198
[APPLAUSE]

257
00:12:46,265 --> 00:12:49,101
WE ARE AS PRESIDENT TRUMP SAID A

258
00:12:49,168 --> 00:12:50,669
NATION OF PIONEERS, AND I CAN

259
00:12:50,736 --> 00:12:53,772
ASSURE YOU THAT HE BELIEVES THAT

260
00:12:53,839 --> 00:13:00,813
OUR PAST TRIUMPHS DRONE WARD AND

261
00:13:00,880 --> 00:13:03,516
UPWARD AND PROCLAIM OUR DESTINY

262
00:13:03,582 --> 00:13:05,918
AS THE VANGUARD OF OUR NATION'S

263
00:13:05,985 --> 00:13:08,621

GREATEST VENTURE IN OUTER SPACE.

264

00:13:08,687 --> 00:13:10,589

WHAT WE CHOOSE TO DO PLAYS A

265

00:13:10,656 --> 00:13:13,259

VITAL ROLE IN THE LIVES OF OUR

266

00:13:13,325 --> 00:13:14,493

PEOPLE HERE ON EARTH.

267

00:13:14,560 --> 00:13:18,197

IT ACCELERATES SCIENTIFIC

268

00:13:18,264 --> 00:13:20,132

DISCOVERY, FUELS OUR BUSINESSES,

269

00:13:20,199 --> 00:13:22,334

SERVES AS THE EYES AND EARS OF

270

00:13:22,401 --> 00:13:24,970

AMERICA'S WAR FIGHTERS AND QUITE

271

00:13:25,037 --> 00:13:26,038

LITTERY, CREATES THE JOBS OF THE

272

00:13:26,105 --> 00:13:26,472

FUTURE.

273

00:13:26,539 --> 00:13:28,340

IT ISN'T JUST HERE ON AMERICA'S

274

00:13:28,407 --> 00:13:29,575

SPACE COAST WHERE YOU SEE THE

275

00:13:29,642 --> 00:13:32,745

IMPORTANCE OF OUR NATION'S SPACE

276

00:13:32,811 --> 00:13:33,312

ENTERPRISE.

277

00:13:33,379 --> 00:13:36,148

YOU SEE IT IN ALABAMA,

278

00:13:36,215 --> 00:13:37,616

MISSISSIPPI, CALIFORNIA AND

279

00:13:37,683 --> 00:13:41,220

WASHINGTON STATE, AND STATE

280

00:13:41,287 --> 00:13:43,222

WHERE HARD-WORKING MEN AND WOMEN

281

00:13:43,289 --> 00:13:46,792

WHO GET UP TO ADVANCE THE

282

00:13:46,859 --> 00:13:48,761

WORLD'S ROCKETS AND SPACESHIPS.

283

00:13:48,827 --> 00:13:50,062

THOUSANDS OF COMPANIES ACROSS

284

00:13:50,129 --> 00:13:51,764

THE COUNTRY TODAY ARE WORKING ON

285

00:13:51,830 --> 00:13:53,332

AMERICA'S DEEP SPACE EXPLORATION

286

00:13:53,399 --> 00:13:54,166

SYSTEMS ALONE.

287

00:13:54,233 --> 00:13:56,168

AS WE CONTINUE TO PUSH FURTHER

288

00:13:56,235 --> 00:13:58,470

INTO OUR SOLAR SYSTEM, NEW

289

00:13:58,537 --> 00:14:00,005

BUSINESSES AND ENTIRE

290

00:14:00,072 --> 00:14:03,876

ENTERPRISES WILL BE BUILT TO

291

00:14:03,943 --> 00:14:05,177

SEIZE THE INFINITE POSSIBILITIES

292

00:14:05,244 --> 00:14:07,813

BEFORE US, AND THERE WILL BE NO

293

00:14:07,880 --> 00:14:10,649

LIMIT TO JOBS AND PROSPERITY

294

00:14:10,716 --> 00:14:11,784

CREATED ACROSS THIS COUNTRY.

295

00:14:11,850 --> 00:14:14,019

I'VE HAD THE PRIVILEGE TO TRAVEL

296

00:14:14,086 --> 00:14:15,354

ACROSS THIS COUNTRY TO MEET THE

297

00:14:15,421 --> 00:14:19,625

MEN AND WOMEN WHO FORGE

298

00:14:19,692 --> 00:14:29,268

AMERICA'S PLACE IN SPACE.

299

00:14:29,335 --> 00:14:32,137

AT CALIFORNIA'S MOJAVE SPACE

300

00:14:32,204 --> 00:14:34,840

PORT, I CLIMBED UPON A SPACESHIP

301
00:14:34,907 --> 00:14:36,475
THAT WILL CARRY THE FIRST SPACE

302
00:14:36,542 --> 00:14:37,977
TOURISTS TO THE EDGE OF THE

303
00:14:38,043 --> 00:14:41,847
EARTH'S ATMOSPHERE TO PEER INTO

304
00:14:41,914 --> 00:14:43,349
THE COSMIC HEAVENS, AND I WALKED

305
00:14:43,415 --> 00:14:45,584
ON THE VESSEL THAT WILL SOAR

306
00:14:45,651 --> 00:14:46,585
THROUGH THE SKIES.

307
00:14:46,652 --> 00:14:50,756
I SAW WITH MY OWN EYES THE

308
00:14:50,823 --> 00:14:58,397
INNOVATIONS BORNE WHEN

309
00:14:58,464 --> 00:14:59,265
ENTREPRENEURERS GAZE TO THE NEW

310
00:14:59,331 --> 00:15:01,867
FRONTIER, AND IT'S INSPIRING.

311
00:15:01,934 --> 00:15:02,735
NAVIGATION AND COMMUNICATION

312
00:15:02,801 --> 00:15:04,570
SYSTEMS THAT SUPPORT AMERICA'S

313
00:15:04,637 --> 00:15:07,373

MEN AND WOMEN IN UNIFORM AS THEY

314

00:15:07,439 --> 00:15:08,907

DEFEND OUR FREEDOM AROUND THE

315

00:15:08,974 --> 00:15:09,341

WORLD.

316

00:15:09,408 --> 00:15:15,447

AND THE RED STONE ARSONEL, TO

317

00:15:15,514 --> 00:15:18,183

MEET THREATS THAT ARE POSED BY

318

00:15:18,250 --> 00:15:19,718

AGGRESSIVE PURSUIT OF

319

00:15:19,785 --> 00:15:21,086

ANTI-SATELLITE CAPABILITIES,

320

00:15:21,153 --> 00:15:23,522

AMERICA WILL CONTINUE TO BE AS

321

00:15:23,589 --> 00:15:25,124

DOMINANT IN THE HEAVENS AS WE

322

00:15:25,190 --> 00:15:26,792

ARE ON THE EARTH.

323

00:15:26,859 --> 00:15:29,595

AT THE JOHNSON SPACE CENTER IN

324

00:15:29,662 --> 00:15:31,764

HOUSTON, I MET WITH THE NEWEST

325

00:15:31,830 --> 00:15:33,365

CLASS OF ASTRONAUTS, INSPIRING

326

00:15:33,432 --> 00:15:34,066

AMERICANS ALL.

327

00:15:34,133 --> 00:15:36,068

I SAW THEIR COURAGE, THE

328

00:15:36,135 --> 00:15:37,636

PIONEERING SPIRIT THAT IS ALWAYS

329

00:15:37,703 --> 00:15:40,072

DEFINED THIS COUNTRY AND

330

00:15:40,139 --> 00:15:41,573

CONTINUES TO SPUR OUR PEOPLE TO

331

00:15:41,640 --> 00:15:43,575

BREAK BARRIERS AND CARRY OUR

332

00:15:43,642 --> 00:15:45,377

NATION TO EVEN GREATER HEIGHTS.

333

00:15:45,444 --> 00:15:47,112

THIS WEEK I RETURNED TO

334

00:15:47,179 --> 00:15:48,547

AMERICA'S SPACE COAST TO TOUR

335

00:15:48,614 --> 00:15:50,215

THE FACILITIES OF THIS LAUNCHING

336

00:15:50,282 --> 00:15:55,521

SPAS FOR OUR NATIONAL HEROES AND

337

00:15:55,587 --> 00:15:59,391

THIS PERMANENT ASSEMBLY OF

338

00:15:59,458 --> 00:15:59,858

SPACE.

339

00:15:59,925 --> 00:16:00,492

PRESIDENT TRUMP BELIEVES

340

00:16:00,559 --> 00:16:02,394

AMERICA'S PROSPERITY, SECURITY

341

00:16:02,461 --> 00:16:05,698

AND EVEN OUR NATIONAL SECURITY

342

00:16:05,764 --> 00:16:06,465

DEPEND UPON AMERICAN LEADERSHIP

343

00:16:06,532 --> 00:16:06,932

IN SPACE.

344

00:16:06,999 --> 00:16:09,335

AND OVER THE PAST YEAR THE WORLD

345

00:16:09,401 --> 00:16:14,840

HAS SEEN A VITAL ROLE THAT

346

00:16:14,907 --> 00:16:16,308

PRIVATE ENTERPRISE PLAYS IN

347

00:16:16,375 --> 00:16:17,242

OUTER SPACE.

348

00:16:17,309 --> 00:16:20,012

WE'VE SEEN THE INCREASING NUMBER

349

00:16:20,079 --> 00:16:21,580

OF BUSINESS SENDING EXPERIMENTS

350

00:16:21,647 --> 00:16:22,548

TO THE INTERNATIONAL SPACE

351
00:16:22,614 --> 00:16:23,082
STATION.

352
00:16:23,148 --> 00:16:28,053
WE'VE WITNESSED THE RECONNECTION

353
00:16:28,120 --> 00:16:30,356
OF ISOLATED COMMUNITIES IN THE

354
00:16:30,422 --> 00:16:32,591
WAKE OF NATURAL di SASSFERS.

355
00:16:32,658 --> 00:16:34,893
AND WEEKS AGO THE WORLD WATCHED

356
00:16:34,960 --> 00:16:38,464
IN WONDER AS THE FALCON BLASTED

357
00:16:38,530 --> 00:16:40,666
OFF AND THEN SENT TWO OF ITS

358
00:16:40,733 --> 00:16:42,034
BOOSTERS SAILING BACK TO EARTH

359
00:16:42,101 --> 00:16:44,770
WHERE THEY LANDED SIDE BY SIDE

360
00:16:44,837 --> 00:16:46,004
INTACT LESS THAN A MILE FROM

361
00:16:46,071 --> 00:16:48,974
WHERE THEY LIFTED OFF.

362
00:16:49,041 --> 00:16:51,877
VERY IMPRESSIVE, INDEED.

363
00:16:51,944 --> 00:16:53,445

THE EVIDENCE IS CLEAR--

364

00:16:53,512 --> 00:17:01,153

[APPLAUSE]

365

00:17:01,220 --> 00:17:03,322

THE EVIDENCE IS CLEAR.

366

00:17:03,389 --> 00:17:05,391

WHILE THE GOVERNMENT CAN BLAZE

367

00:17:05,457 --> 00:17:07,993

NEW TRAILS INTO EXPLORING THE

368

00:17:08,060 --> 00:17:10,262

OUTER EXPANSE OF SPACE, LIKE ALL

369

00:17:10,329 --> 00:17:12,231

FRONTIERS ULTIMATELY, IT WILL BE

370

00:17:12,297 --> 00:17:13,832

SETTLED BY THE DREAMS 6 OUR

371

00:17:13,899 --> 00:17:16,969

PEOPLE, THE BRILLIANCE OF OUR

372

00:17:17,035 --> 00:17:18,337

INNOVATORS, AND THE DARING OF

373

00:17:18,404 --> 00:17:19,738

OUR EXPLORERS TOGETHER.

374

00:17:19,805 --> 00:17:22,541

THIS TRUTH ECHOS THROUGH THE

375

00:17:22,608 --> 00:17:24,176

HISTORY OF THE KENNEDY SPACE

376

00:17:24,243 --> 00:17:24,710

CENTER.

377

00:17:24,777 --> 00:17:26,378

NAMED FOR THE PRESIDENT WHO

378

00:17:26,445 --> 00:17:30,282

CHANNELED THE PEOPLE'S ENERGIES

379

00:17:30,349 --> 00:17:33,085

AND SKILLS TO BECOME THE WORLD'S

380

00:17:33,152 --> 00:17:34,586

LEADING SPACE INNOVATIONS.

381

00:17:34,653 --> 00:17:38,490

IT WAS HERE IN 1961 THAT ALAN

382

00:17:38,557 --> 00:17:42,461

SHEPHERD CRAWLED INTO FREEDOM 7,

383

00:17:42,528 --> 00:17:44,763

AN 82-FOOT ROCKET AND VENTURED

384

00:17:44,830 --> 00:17:45,431

IN THE VOID.

385

00:17:45,497 --> 00:17:47,332

AND THE CREW OF APOLLO 11

386

00:17:47,399 --> 00:17:49,034

CARRIED THE HOPES AND DREAMS OF

387

00:17:49,101 --> 00:17:50,803

PEOPLE TO THE MOON, AND CLAIMED

388

00:17:50,869 --> 00:17:52,404

OUR PLACE AS THE UNDISPUTED

389

00:17:52,471 --> 00:17:54,440

LEADER OF THE EXPLORATION OF

390

00:17:54,506 --> 00:17:54,973

SPACE.

391

00:17:55,040 --> 00:17:58,277

AND IT'S HERE TODAY IN THE

392

00:17:58,343 --> 00:18:00,946

21ST CENTURY THAT THE MODERN

393

00:18:01,013 --> 00:18:02,514

MARVELS THAT LAUNCH FROM THIS

394

00:18:02,581 --> 00:18:05,050

GROUND THAT THE PRIVATE SECTORS

395

00:18:05,117 --> 00:18:06,752

AND PUBLIC SECTORS ARE ACHIEVING

396

00:18:06,819 --> 00:18:08,754

MORE TOGETHER THAN WE EVER HAVE

397

00:18:08,821 --> 00:18:09,188

APART.

398

00:18:09,254 --> 00:18:11,824

MORE THAN 20 ROCKETS THAT WERE

399

00:18:11,890 --> 00:18:12,658

DESIGNED, BUILT AND SENT INTO

400

00:18:12,724 --> 00:18:14,593

SPACE BY AMERICA'S PIONEERING

401
00:18:14,660 --> 00:18:15,394
SPACE COMPANIES HAVE LAUNCHED

402
00:18:15,461 --> 00:18:16,662
FROM THE SPACE COAST.

403
00:18:16,728 --> 00:18:20,232
WITH NAMES LIKE FALCON, DELTA,

404
00:18:20,299 --> 00:18:23,635
ATLAS, AND MINITAURO.

405
00:18:23,702 --> 00:18:26,205
AND AS THESE FEATS ATTEST, MUCH

406
00:18:26,271 --> 00:18:28,006
MORE THAN A BRIDGE TO SPACE,

407
00:18:28,073 --> 00:18:29,641
KENNEDY SPACE CENTER IS THE

408
00:18:29,708 --> 00:18:31,543
BRIDGE TO THE FUTURE.

409
00:18:31,610 --> 00:18:38,817
[APPLAUSE]

410
00:18:38,884 --> 00:18:40,252
TODAY, AS WE SPEAK, AMERICAN

411
00:18:40,319 --> 00:18:41,920
BUSINESSES ARE DEVELOPING NEW

412
00:18:41,987 --> 00:18:44,122
ROCKETS AND I SAW A FEW LAST

413
00:18:44,189 --> 00:18:44,656

NIGHT.

414

00:18:44,723 --> 00:18:45,891
SPACESHIPS, SATELLITES THAT ARE

415

00:18:45,958 --> 00:18:47,159
TAKING US FURTHER INTO SPACE

416

00:18:47,226 --> 00:18:48,460
THAN EVER BEFORE.

417

00:18:48,527 --> 00:18:50,062
AND RENEWING OUR CONFIDENCE THAT

418

00:18:50,128 --> 00:18:55,567
WE CAN AND WILL ACHIEVE THE

419

00:18:55,634 --> 00:18:57,703
IMPOSSIBLE ONCE AGAIN.

420

00:18:57,769 --> 00:19:00,439
NOT LONG AGO NO ONE WOULD HAVE

421

00:19:00,506 --> 00:19:07,546
DREAMT OF LANDING ON AN ASTEROID

422

00:19:07,613 --> 00:19:10,115
TO MINE IT'S MINERALS, BUT TODAY

423

00:19:10,182 --> 00:19:11,717
THESE ARE ALL EMERGING

424

00:19:11,783 --> 00:19:12,551
BUSINESSES.

425

00:19:12,618 --> 00:19:14,620
AND LIKE THE RAILROADS THAT

426
00:19:14,686 --> 00:19:16,755
OPENED UP THE AMERICAN WEST TO

427
00:19:16,822 --> 00:19:19,324
EXPLORERS AND ENTREPRENEURERS,

428
00:19:19,391 --> 00:19:20,926
THESE TECHNOLOGIES WILL EXTEND

429
00:19:20,993 --> 00:19:22,895
THE RANGE OF AMERICAN ACTIONS

430
00:19:22,961 --> 00:19:26,765
AND VALUES INTO NEW WORLDS AND

431
00:19:26,832 --> 00:19:31,503
USHER IN A NEW ERA OF JOB

432
00:19:31,570 --> 00:19:32,204
CREATION INTO SPACE.

433
00:19:32,271 --> 00:19:34,840
WHILE THE TECHNOLOGY HAS LEAPED

434
00:19:34,907 --> 00:19:36,708
TO THE FUTURE, OUR GOVERNMENT

435
00:19:36,775 --> 00:19:38,310
AGENCIES TOO OFTEN HAS REMAINED

436
00:19:38,377 --> 00:19:48,387
STUCK IN THE PAST.

437
00:19:48,453 --> 00:19:50,389
WE'LL UNLOCK UNTOLD NEW

438
00:19:50,455 --> 00:19:52,524

OPPORTUNITIES IN THE SPACE

439

00:19:52,591 --> 00:19:52,958
INDUSTRY.

440

00:19:53,025 --> 00:19:54,459
IN THE PAST WHEN A SATELLITE RAN

441

00:19:54,526 --> 00:19:56,328
OUT OF FUEL, IT HAD TO BE

442

00:19:56,395 --> 00:19:59,331
REPLACED, AN EXPENSIVE AND

443

00:19:59,398 --> 00:20:00,799
TIME-CONSUMING PROCESS, LIKE

444

00:20:00,866 --> 00:20:02,334
BUYING A NEW CAR EVERY TIME IT

445

00:20:02,401 --> 00:20:05,470
RAN OUT OF GAS.

446

00:20:05,537 --> 00:20:07,072
NOW WE HAVE WITHIN OUR REACH TO

447

00:20:07,139 --> 00:20:09,074
GET AROUND THIS PROBLEM.

448

00:20:09,141 --> 00:20:12,578
AMERICAN BUSINESSES THAT WANT TO

449

00:20:12,644 --> 00:20:15,681
LAUNCH SATELLITE-SERVICING

450

00:20:15,747 --> 00:20:20,018
MISSIONS ARE OFTEN STIFLED BY

451
00:20:20,085 --> 00:20:22,654
CONVOLUTED MAZE OF OUTDATED

452
00:20:22,721 --> 00:20:23,121
PROCESSES.

453
00:20:23,188 --> 00:20:29,728
TODAY'S REGIME ARE PLAGUED BY

454
00:20:29,795 --> 00:20:38,270
BURDENS, TOO, SO IF A COMPANY

455
00:20:38,337 --> 00:20:39,438
RECEIVES ITS LICENSE TO LAUNCH A

456
00:20:39,504 --> 00:20:40,906
ROCKET FROM THE KENNEDY SPACE

457
00:20:40,973 --> 00:20:42,040
CENTER BUT THEN WANTS TO MOVE

458
00:20:42,107 --> 00:20:46,511
THEIR MISSION TO CALIFORNIA OR A

459
00:20:46,578 --> 00:20:48,747
FEW FILES AWAY FROM

460
00:20:48,814 --> 00:20:50,515
CAPE CANAVERAL, THE COMPANY MUST

461
00:20:50,582 --> 00:20:51,450
COMPLETE THE PROCESS ALL OVER

462
00:20:51,516 --> 00:20:52,751
AGAIN FROM START TO FINISH.

463
00:20:52,818 --> 00:20:55,220

THE GOVERNMENT HAS FIGURED OUT

464

00:20:55,287 --> 00:20:57,956

HOW TO HONOR DRIVER'S LICENSE

465

00:20:58,023 --> 00:20:58,490

ACROSS STATE LINES.

466

00:20:58,557 --> 00:21:00,459

THERE IS NO REASON WE CAN'T DO

467

00:21:00,525 --> 00:21:05,564

THE SAME FOR ROCKETS.

468

00:21:05,631 --> 00:21:09,968

[APPLAUSE]

469

00:21:10,035 --> 00:21:11,570

MORE TO THE POINT THERE IS NO

470

00:21:11,637 --> 00:21:13,005

REASON OUR OWN FEDERAL

471

00:21:13,071 --> 00:21:14,272

GOVERNMENT SHOULD STAND IN THE

472

00:21:14,339 --> 00:21:18,844

WAY OF TRAIL-BLAZING COMPANIES

473

00:21:18,910 --> 00:21:21,913

THAT ARE FORGING AND REFORGING

474

00:21:21,980 --> 00:21:22,280

SPACE.

475

00:21:22,347 --> 00:21:23,782

THERE WILL BE NEW POLICY

476
00:21:23,849 --> 00:21:24,950
RECOMMENDATIONS TO BREAK DOWN

477
00:21:25,017 --> 00:21:26,785
THESE BUREAUCRATIC HURDLES.

478
00:21:26,852 --> 00:21:28,954
THESE RECOMMENDATIONS WILL

479
00:21:29,021 --> 00:21:30,389
TRANSFORM THE LICENSING REGIMES

480
00:21:30,455 --> 00:21:33,191
THAT OVERSEE, LAUNCH, AND

481
00:21:33,258 --> 00:21:34,626
RE-ENTRY SPACE OPERATIONS,

482
00:21:34,693 --> 00:21:36,194
THEY'LL EMPOWER AMERICAN

483
00:21:36,261 --> 00:21:37,663
BUSINESSES TO CREATE JOBS OF THE

484
00:21:37,729 --> 00:21:38,930
FUTURE, ATTRACT NEW INVESTMENT

485
00:21:38,997 --> 00:21:41,333
TO OUR SHORES, A AND UNLOCK NEW

486
00:21:41,400 --> 00:21:42,434
OPPORTUNITIES, AND NEW

487
00:21:42,501 --> 00:21:44,102
TECHNOLOGIES AND NEW SOURCES OF

488
00:21:44,169 --> 00:21:45,170

AMERICAN PROSPERITY.

489

00:21:45,237 --> 00:21:48,740

WITH THESE REFORMS, AMERICAN

490

00:21:48,807 --> 00:21:51,443

PRIVATE ENTERPRISE WILL USHER IN

491

00:21:51,510 --> 00:21:55,881

A NEW ERA OF LEADERSHIP THAT

492

00:21:55,947 --> 00:21:58,283

REKINDLE OUR BELIEF THAT AMERICA

493

00:21:58,350 --> 00:21:59,851

CAN AND WILL ACCOMPLISH ANYTHING

494

00:21:59,918 --> 00:22:01,153

WE PUT OUR MINDS TO.

495

00:22:01,219 --> 00:22:02,154

AS PRESIDENT TRUMP HAS SAID,

496

00:22:02,220 --> 00:22:04,356

QUOTE, IT IS AMERICA'S DESTINY

497

00:22:04,423 --> 00:22:08,660

TO BE THE LEADER AMONGST NATIONS

498

00:22:08,727 --> 00:22:11,029

IN OUR VENTURE INTO THE GREAT

499

00:22:11,096 --> 00:22:11,563

UNKNOWN.

500

00:22:11,630 --> 00:22:16,201

WE'RE GOING TO WRITE THAT NEXT

501
00:22:16,268 --> 00:22:18,970
CHAPTER, AMERICAN INDUSTRY AND

502
00:22:19,037 --> 00:22:21,873
AMERICAN INGENUITY AS OUR

503
00:22:21,940 --> 00:22:22,307
PARTNER.

504
00:22:22,374 --> 00:22:24,609
THIS I KNOW WE'LL DO BECAUSE

505
00:22:24,676 --> 00:22:26,111
IT'S WHAT AMERICA HAS ALWAYS

506
00:22:26,178 --> 00:22:26,478
DONE.

507
00:22:26,545 --> 00:22:28,447
LESS THAN 35 YEARS AFTER LEWIS

508
00:22:28,513 --> 00:22:30,215
AND CLARK RETURNED FROM THEIR

509
00:22:30,282 --> 00:22:32,184
EXPEDITION FROM THE WILDERNESS,

510
00:22:32,250 --> 00:22:34,519
NEARLY HALF OF OUR NATION'S NEW

511
00:22:34,586 --> 00:22:36,988
POPULATION HAD ALREADY MOVED

512
00:22:37,055 --> 00:22:37,589
WEST.

513
00:22:37,656 --> 00:22:39,758

THERE ARE PIONEERS AND SETTLERS,

514

00:22:39,825 --> 00:22:41,626

TRADERS AND ENTREPRENEURS, AND

515

00:22:41,693 --> 00:22:44,362

THEY WERE, ABOVE ALL, AMERICANS.

516

00:22:44,429 --> 00:22:46,765

FELLOW TRAVELERS ON OUR NATION'S

517

00:22:46,832 --> 00:22:50,402

NEVER ENDING JOURNEY TO EXPLORE

518

00:22:50,469 --> 00:22:52,804

FAR OFF PLACES AND EXPAND OUR

519

00:22:52,871 --> 00:22:54,372

HORIZONS OF OUR INFLUENCE.

520

00:22:54,439 --> 00:23:00,812

NO SOONER WE TAMED THE WILD WEST

521

00:23:00,879 --> 00:23:09,821

WE LOOKED AT THE SKIES ABOVE.

522

00:23:09,888 --> 00:23:11,389

JUST 66 YEARS LATER WE WON THE

523

00:23:11,456 --> 00:23:12,624

RACE TO THE MOON.

524

00:23:12,691 --> 00:23:16,528

LIKE MANY OF YOU, SOME OF THE

525

00:23:16,595 --> 00:23:19,231

MOST PRECIOUS MEMORIES OF OUR

526
00:23:19,297 --> 00:23:20,799
YOUTH WERE AROUND THE PLAQUE AND

527
00:23:20,866 --> 00:23:22,834
WHITE TELEVISION WATCHING OUR

528
00:23:22,901 --> 00:23:25,670
HEROES HURDLING TO THE HEAVENS

529
00:23:25,737 --> 00:23:30,542
AND MAKING HISTORY, LIKE ALDRON

530
00:23:30,609 --> 00:23:32,544
WHO GATHERS WITH US TODAY, THE

531
00:23:32,611 --> 00:23:33,845
SECOND MAN ON THE MOON.

532
00:23:33,912 --> 00:23:39,084
[APPLAUSE]

533
00:23:39,151 --> 00:23:41,019
TODAY, RISING GENERATION IS

534
00:23:41,086 --> 00:23:42,587
FILLED WITH THE SAME WONDER AND

535
00:23:42,654 --> 00:23:44,756
PRIDE EVERY TIME THEY SEE THE

536
00:23:44,823 --> 00:23:47,225
NEW TRIUMPHS AND.

537
00:23:47,292 --> 00:23:52,164
ADVENTURES IN AMERICA IN SPACE.

538
00:23:52,230 --> 00:23:55,634

NOW IN EVERY PHOTOGRAPH OF THE

539

00:23:55,700 --> 00:23:57,135

FAR AWAY GALAXY INSPIRES US TO

540

00:23:57,202 --> 00:23:59,137

DREAM BIG DREAMS.

541

00:23:59,204 --> 00:24:01,273

EVERY GALACTIC DISCOVERY THAT

542

00:24:01,339 --> 00:24:04,242

HELPS US TO UNLOCK A MYSTERY

543

00:24:04,309 --> 00:24:07,045

HERE ON EARTH STRETCHES OUR

544

00:24:07,112 --> 00:24:13,652

MINDS TO THE UNLIMITS, AND IN

545

00:24:13,718 --> 00:24:15,253

AMERICA, THE SKY IS NOT THE

546

00:24:15,320 --> 00:24:15,620

LIMIT.

547

00:24:15,687 --> 00:24:17,823

TODAY WE STAND AT THE DAWN OF

548

00:24:17,889 --> 00:24:19,491

THE NEW ERA OF AMERICAN

549

00:24:19,558 --> 00:24:21,693

LEADERSHIP IN SPACE, AND WE DO

550

00:24:21,760 --> 00:24:23,962

WELL TO REMEMBER THE WORDS

551
00:24:24,029 --> 00:24:28,466
SPOKEN BY THE LATE GENE SERMAN,

552
00:24:28,533 --> 00:24:30,769
THE LAST MAN WHO WALK ON THE

553
00:24:30,836 --> 00:24:31,102
MOON.

554
00:24:31,169 --> 00:24:32,804
HE SAID, I QUOTE, AMERICA'S

555
00:24:32,871 --> 00:24:35,173
CHALLENGE OF TODAY HAS FORGED

556
00:24:35,240 --> 00:24:37,375
MAN'S DESTINY OF TOMORROW.

557
00:24:37,442 --> 00:24:39,911
THE APOLLO ASTRONAUTS WERE THE

558
00:24:39,978 --> 00:24:41,446
FIRST TO TELL THEIR CHILDREN AND

559
00:24:41,513 --> 00:24:44,049
GRANDCHILDREN THAT THEY WENT TO

560
00:24:44,115 --> 00:24:46,551
THE HEAVENS AND STOOD ON ANOTHER

561
00:24:46,618 --> 00:24:46,952
PLACE.

562
00:24:47,018 --> 00:24:50,255
IT'S OUR DUTY TO INSURE THAT BY

563
00:24:50,322 --> 00:24:52,257

OUR WORK THAT THEY WILL NOT BE

564

00:24:52,324 --> 00:24:55,694

THE LAST AMERICANS TO SET FOOT

565

00:24:55,760 --> 00:25:01,366

IN THE GREAT UNKNOWN.

566

00:25:01,433 --> 00:25:03,134

AS WE BEGIN OUR WORK TODAY, WE

567

00:25:03,201 --> 00:25:04,970

BEGIN WITH CONFIDENCE, AND I

568

00:25:05,036 --> 00:25:06,771

BELIEVE WITH GO WITH FAITH.

569

00:25:06,838 --> 00:25:08,807

YOU KNOW, TODAY OUR NATION AWOKE

570

00:25:08,874 --> 00:25:10,742

TO THE SAD NEWS OF THE PASSING

571

00:25:10,809 --> 00:25:12,711

OF ONE OF THE GREATEST AMERICANS

572

00:25:12,777 --> 00:25:16,281

OF THE 20TH CENTURY, THE

573

00:25:16,348 --> 00:25:19,851

REVEREND BILLY GRAHAM.

574

00:25:19,918 --> 00:25:22,387

HIS MINISTRY AND HIS MATCHLESS

575

00:25:22,454 --> 00:25:24,256

VOICE INSPIRED OUR NATION.

576

00:25:24,322 --> 00:25:27,192

BILLY GRAHAM EVER REMINDED US TO

577

00:25:27,259 --> 00:25:30,028

LOOK TO THE ANCIENT TRUTHS OF

578

00:25:30,095 --> 00:25:32,797

GOD'S WORD.

579

00:25:32,864 --> 00:25:34,833

ASKING WITH THE PSALMIST, WHEN I

580

00:25:34,900 --> 00:25:37,068

LOOK AT YOUR HEAVENS, THE WORK

581

00:25:37,135 --> 00:25:39,404

OF YOUR FINGERS, THE MOON AND

582

00:25:39,471 --> 00:25:40,939

THE STARS, WHEN IS MAN THAT YOU

583

00:25:41,006 --> 00:25:44,976

ARE MINDFUL OF HIM?

584

00:25:45,043 --> 00:25:49,381

AND SO AS WE REMEMBER REVEREND

585

00:25:49,447 --> 00:25:50,849

GRAHAM THIS MORNING, AND KEEP

586

00:25:50,916 --> 00:25:53,251

HIS FAMILY IN OUR HEARTS, WE

587

00:25:53,318 --> 00:25:55,520

CONTINUE THIS RENEWED WORK, A

588

00:25:55,587 --> 00:25:57,622

RENEWED COMMITMENT TO AMERICA'S

589

00:25:57,689 --> 00:25:59,891

LEADERSHIP IN SPACE WITH

590

00:25:59,958 --> 00:26:02,127

CONFIDENCE AND WITH A FAITH THAT

591

00:26:02,193 --> 00:26:05,397

IS EVER CARRIED THE AMERICAN

592

00:26:05,463 --> 00:26:07,699

PEOPLE TO THE GREAT UNKNOWN.

593

00:26:07,766 --> 00:26:10,936

AND WE GO FORWARD WITH THE

594

00:26:11,002 --> 00:26:11,970

COURAGE TO DREAM BIGGER,

595

00:26:12,037 --> 00:26:14,105

DETERMINED TO WORK HARDER, AND

596

00:26:14,172 --> 00:26:16,308

LET'S CARRY THAT SAME CONFIDENCE

597

00:26:16,374 --> 00:26:18,476

OF TRAIL BLAZERS WHO CAME BEFORE

598

00:26:18,543 --> 00:26:22,414

US TODAY, AND WITH YOUR SUPPORT,

599

00:26:22,480 --> 00:26:24,082

WITH THE GOOD WORK OF THIS

600

00:26:24,149 --> 00:26:25,750

NATIONAL SPACE COUNCIL, WITH ALL

601
00:26:25,817 --> 00:26:27,752
WHO WORK AND LABOR HERE AT

602
00:26:27,819 --> 00:26:29,454
KENNEDY SPACE CENTER, AND

603
00:26:29,521 --> 00:26:30,855
THROUGHOUT OUR SPACE PROGRAM,

604
00:26:30,922 --> 00:26:34,392
WITH THE STRONG LEADERSHIP OF

605
00:26:34,459 --> 00:26:35,927
PRESIDENT DONALD TRUMP, THE

606
00:26:35,994 --> 00:26:37,128
SUPPORT OF THE AMERICAN PEOPLE,

607
00:26:37,195 --> 00:26:40,532
AND WITH GOD'S HELP, I KNOW

608
00:26:40,598 --> 00:26:42,667
AMERICA WILL ONCE AGAIN ASTONISH

609
00:26:42,734 --> 00:26:45,603
THE WORLD WITH THE HEIGHTS WE

610
00:26:45,670 --> 00:26:48,740
REACH AND THE WONDERS WE

611
00:26:48,807 --> 00:26:49,240
ACHIEVE.

612
00:26:49,307 --> 00:26:50,308
SO THANK YOU.

613
00:26:50,375 --> 00:26:51,643

GOD BLESS YOU.

614

00:26:51,710 --> 00:26:53,411

GOD BLESS THIS GREAT WORK.

615

00:26:53,478 --> 00:26:57,615

AND GOD BLESS THE UNITED STATES

616

00:26:57,682 --> 00:26:58,616

OF AMERICA.

617

00:27:21,072 --> 00:27:11,596

[APPLAUSE]

618

00:28:05,183 --> 00:28:05,917

>> WELL GOOD MORNING, AND THANK

619

00:28:05,984 --> 00:28:06,785

YOU ALL FOR BEING HERE FOR THE

620

00:28:06,851 --> 00:28:08,086

SECOND MEETING OF THE NATIONAL

621

00:28:08,153 --> 00:28:08,853

SPACE COUNCIL.

622

00:28:08,920 --> 00:28:10,355

I WANT TO THANK THOSE WHO ARE

623

00:28:10,422 --> 00:28:12,390

HERE, THE MEMBERS OF THE USER

624

00:28:12,457 --> 00:28:13,491

ADVISORY GROUP AND THOSE WHO

625

00:28:13,558 --> 00:28:14,893

HAVE TAKEN TIME TO JOIN US IN

626
00:28:14,959 --> 00:28:16,461
PERSON, AND ONLINE.

627
00:28:16,528 --> 00:28:18,496
WE'LL GO AHEAD AND GET STARTED.

628
00:28:18,563 --> 00:28:19,697
TODAY WE HAVE TWO PANEL

629
00:28:19,764 --> 00:28:20,865
DISCUSSIONS ON THE CHALLENGES

630
00:28:20,932 --> 00:28:22,400
AND OPPORTUNITIES FACING OUR

631
00:28:22,467 --> 00:28:24,436
NATIONAL SECURITY, AND

632
00:28:24,502 --> 00:28:25,737
COMMERCIAL SPACE ACTIVITIES THAT

633
00:28:25,804 --> 00:28:28,173
I JUST SPOKE ABOUT IN MY OPENING

634
00:28:28,239 --> 00:28:28,606
REMARKS.

635
00:28:28,673 --> 00:28:30,809
WE'RE PLEASED TO BE JOINED BY AN

636
00:28:30,875 --> 00:28:32,911
OUTSTANDING LINEUP OF EXPERT

637
00:28:32,977 --> 00:28:34,446
WITNESSES WHO WILL SHARE THEIR

638
00:28:34,512 --> 00:28:36,815

INSIGHTS AND EXPERTISE WITH THE

639

00:28:36,881 --> 00:28:39,250

COUNCIL IN THE MOMENTS AHEAD.

640

00:28:39,317 --> 00:28:40,852

BUT FIRST OFF I WOULD LIKE TO

641

00:28:40,919 --> 00:28:42,420

ASK SOME OF THE COUNCIL MEMBERS

642

00:28:42,487 --> 00:28:43,588

TO PROVIDE UPDATES ON THE

643

00:28:43,655 --> 00:28:45,156

PROGRESS WE MADE SINCE THE FIRST

644

00:28:45,223 --> 00:28:46,991

MEETING TO IMPLEMENT PRESIDENT

645

00:28:47,058 --> 00:28:47,959

TRUMP'S VISION FOR AMERICAN

646

00:28:48,026 --> 00:28:49,461

LEADERSHIP IN SPACE.

647

00:28:49,527 --> 00:28:53,598

I'M GOING TO BEGIN WITH OUR

648

00:28:53,665 --> 00:28:54,899

NATIONAL SECURITY ADVISER,

649

00:28:54,966 --> 00:28:58,570

GENERAL, I WANT TO COMMEND YOU

650

00:28:58,636 --> 00:29:01,606

FIRST AND FOREMOST IN THE

651
00:29:01,673 --> 00:29:02,740
NATIONAL SECURITY AGENCY IN YOUR

652
00:29:02,807 --> 00:29:04,275
EFFORTS IN SUPPORT OF THE

653
00:29:04,342 --> 00:29:05,343
NATIONAL SPACE COUNCIL.

654
00:29:05,410 --> 00:29:07,712
I SPECIFICALLY WANT TO THANK THE

655
00:29:07,779 --> 00:29:09,547
GENERAL OF THE NATIONAL SECURITY

656
00:29:09,614 --> 00:29:10,882
COUNCIL FOR HIS EXTRAORDINARY

657
00:29:10,949 --> 00:29:12,817
WORK ON THE SPACE STRATEGIC

658
00:29:12,884 --> 00:29:13,251
FRAMEWORK.

659
00:29:13,318 --> 00:29:16,254
COULD YOU GIVE THE COUNCIL AN

660
00:29:16,321 --> 00:29:18,056
OVERVIEW OF THAT WORK?

661
00:29:18,123 --> 00:29:20,191
>> THANK YOU, MR. VICE

662
00:29:20,258 --> 00:29:21,426
PRESIDENT, AND THANK YOU FOR THE

663
00:29:21,493 --> 00:29:23,595

OPPORTUNITY TO PROVIDE AN UPDATE

664

00:29:23,661 --> 00:29:24,996

ON THE IMPORTANT PROGRESS WE'VE

665

00:29:25,063 --> 00:29:26,364

MADE IN DEVELOPING THE NEW

666

00:29:26,431 --> 00:29:27,999

STRATEGY FOR SPACE, AND I WANT

667

00:29:28,066 --> 00:29:31,703

TO THANK FIRST OF ALL FELLOW

668

00:29:31,769 --> 00:29:32,504

COUNCIL MEMBERS FOR THEIR

669

00:29:32,570 --> 00:29:34,806

TREMENDOUS COLLABORATION AND

670

00:29:34,873 --> 00:29:36,174

TEAM WORK.

671

00:29:36,241 --> 00:29:38,409

AS YOU KNOW, MR. VICE PRESIDENT,

672

00:29:38,476 --> 00:29:41,312

AT THE LAST SPACE MEETING LAST

673

00:29:41,379 --> 00:29:42,514

OCTOBER, YOU APPROVED THE

674

00:29:42,580 --> 00:29:43,948

FRAMEWORK FOR THE NEW STRATEGY.

675

00:29:44,015 --> 00:29:45,984

I THOUGHT IT WOULD BE USEFUL FOR

676
00:29:46,050 --> 00:29:47,852
THE AUDIENCE TO BRIEFLY

677
00:29:47,919 --> 00:29:49,020
SUMMARIZE THAT FRAMEWORK, AND

678
00:29:49,087 --> 00:29:50,288
WHAT WE'VE DONE WITH THAT

679
00:29:50,355 --> 00:29:51,389
FRAMEWORK SINCE THEN.

680
00:29:51,456 --> 00:29:54,526
AS A REMINDER, THE FRAMEWORK

681
00:29:54,592 --> 00:29:56,928
CONTAINED THREE KEY ELEMENTS.

682
00:29:56,995 --> 00:30:00,698
FIRST, IT DEFINED OUR VITAL

683
00:30:00,765 --> 00:30:03,868
INTERESTS IN SPACE, TO INSURE

684
00:30:03,935 --> 00:30:08,439
UNFETTERED ACCESS AND FREEDOM TO

685
00:30:08,506 --> 00:30:09,440
OPERATE IN THE SPACE DOMAIN, TO

686
00:30:09,507 --> 00:30:12,677
ADVANCE THE SECURITY, ECONOMIC

687
00:30:12,744 --> 00:30:15,079
PROSPERITY, AND SCIENTIFIC

688
00:30:15,146 --> 00:30:16,514

KNOWLEDGE OF THE NATION.

689

00:30:16,581 --> 00:30:19,651

SECOND, IT SAID THAT THE DESIRED

690

00:30:19,717 --> 00:30:22,921

END STATE FOR THE STRATEGY, TO

691

00:30:22,987 --> 00:30:27,559

INSURE U.S. LEADERSHIP

692

00:30:27,625 --> 00:30:30,161

PREMINENCE, AND FREEDOM OF

693

00:30:30,228 --> 00:30:34,866

ACTION IN SPACE IN TIME TO COME.

694

00:30:34,933 --> 00:30:37,035

AND PURSUIT OF OUR VITAL

695

00:30:37,101 --> 00:30:41,239

INTERESTS, FIRST, TO STRENGTHEN

696

00:30:41,306 --> 00:30:43,541

THE SAFETY, STABILITY OF SPACE

697

00:30:43,608 --> 00:30:44,108

ACTIVITIES.

698

00:30:44,175 --> 00:30:47,312

SECOND, TO DETER AND WHEN

699

00:30:47,378 --> 00:30:51,416

NECESSARY DEFEAT ADVERSARY SPACE

700

00:30:51,482 --> 00:30:52,951

AND COUNTER SPACE THREATS THAT

701
00:30:53,017 --> 00:30:55,386
ARE HOSTILE TO THE NATIONAL

702
00:30:55,453 --> 00:30:56,421
INTERESTS OF THE UNITED STATES

703
00:30:56,487 --> 00:30:58,256
AND OUR ALLIES.

704
00:30:58,323 --> 00:31:01,426
THIRD, TO PARTNER WITH THE U.S.

705
00:31:01,492 --> 00:31:03,728
COMMERCIAL SECTOR TO INSURE THE

706
00:31:03,795 --> 00:31:06,231
AMERICAN COMPANIES REMAIN THE

707
00:31:06,297 --> 00:31:07,498
LEADING PROVIDERS OF TRADITIONAL

708
00:31:07,565 --> 00:31:11,002
AND INNOVATIVE SPACE TECHNOLOGY,

709
00:31:11,069 --> 00:31:12,904
GOODS, AND SERVICES ON THE

710
00:31:12,971 --> 00:31:14,305
INTERNATIONAL SPACE MARKETS.

711
00:31:14,372 --> 00:31:18,209
AND FOURTH, TO MAINTAIN AND

712
00:31:18,276 --> 00:31:20,912
EXTEND U.S. HUMAN PRESENCE AND

713
00:31:20,979 --> 00:31:23,781

ROBOTIC EXPLORATIONS BEYOND

714

00:31:23,848 --> 00:31:27,785

EARTH TO TRANSFORM KNOWLEDGE OF

715

00:31:27,852 --> 00:31:31,089

OURSELVES, THE PLANET, OUR SOLAR

716

00:31:31,155 --> 00:31:32,757

SYSTEM, AND THE UNIVERSE.

717

00:31:32,824 --> 00:31:34,726

SO SINCE OCTOBER, AT YOUR

718

00:31:34,792 --> 00:31:35,760

DIRECTION, MR. VICE PRESIDENT,

719

00:31:35,827 --> 00:31:38,663

WE DEVELOPED THE LINES OF EFFORT

720

00:31:38,730 --> 00:31:40,632

AND IDENTIFIED THE SPECIFIC

721

00:31:40,698 --> 00:31:43,468

ASSOCIATED TASKS TO MEET THE

722

00:31:43,534 --> 00:31:47,038

STRATEGIC ADVECTIVES AND ACHIEVE

723

00:31:47,105 --> 00:31:52,043

OUR DESIRED STATE.

724

00:31:52,110 --> 00:31:53,678

AND THE FOUR LINES OF EFFORTS

725

00:31:53,745 --> 00:31:55,647

ARE, FIRST, MISSION ASSURANCE.

726
00:31:55,713 --> 00:31:57,982
WE'LL ACCELERATE THE

727
00:31:58,049 --> 00:31:59,684
TRANSFORMATION OF OUR SPACE

728
00:31:59,751 --> 00:32:01,119
ARCHITECTURE BY DELIBERATELY

729
00:32:01,185 --> 00:32:03,988
MOVING SYSTEMS FROM SCIENCE AND

730
00:32:04,055 --> 00:32:05,523
TECHNOLOGY PHASE TO RESEARCH AND

731
00:32:05,590 --> 00:32:07,091
DEVELOPMENT PHASE TO ACTUAL

732
00:32:07,158 --> 00:32:09,160
FIELDING OF CAPABILITIES.

733
00:32:09,227 --> 00:32:10,895
AS A RESULT OUR SPACE SYSTEMS

734
00:32:10,962 --> 00:32:14,766
WILL BE MORE RESILIENT, MORE

735
00:32:14,832 --> 00:32:18,970
DEFENDABLE, MORE EASILY

736
00:32:19,037 --> 00:32:20,038
RECONSTITUTED AND BETTER SERVICE

737
00:32:20,104 --> 00:32:22,006
TO ORBIT.

738
00:32:22,073 --> 00:32:25,310

AND OUR SECOND EFFORT IS ON

739

00:32:25,376 --> 00:32:27,779

DETERRENCE AND WAR FIGHTING.

740

00:32:27,845 --> 00:32:30,315

THE SPACE DOMAIN IS INCREASINGLY

741

00:32:30,381 --> 00:32:30,782

CONTESTED.

742

00:32:30,848 --> 00:32:33,051

SPACE HAS NOW JOINED LAND, SEA

743

00:32:33,117 --> 00:32:36,087

AND AIR AS A WAR-FIGHTING

744

00:32:36,154 --> 00:32:37,522

DOMAIN.

745

00:32:37,588 --> 00:32:38,690

WHILE WE PREFER THE CONFLICT NOT

746

00:32:38,756 --> 00:32:40,124

EXTEND TO SPACE, THE UNITED

747

00:32:40,191 --> 00:32:42,527

STATES WILL BE PREPARED IF IT

748

00:32:42,593 --> 00:32:42,960

DOES.

749

00:32:43,027 --> 00:32:45,229

OUR THIRD LINE OF EFFORT IS ON

750

00:32:45,296 --> 00:32:46,230

ORGANIZATIONAL SUPPORT.

751
00:32:46,297 --> 00:32:48,599
WE WILL PURSUE AND IMPROVE

752
00:32:48,666 --> 00:32:50,902
FOUNDATIONAL CAPABILITIES,

753
00:32:50,968 --> 00:32:53,504
STRUCTURES, AND PROCESSES TO

754
00:32:53,571 --> 00:32:56,441
ENABLE MORE EFFECTIVE SPACE

755
00:32:56,507 --> 00:32:57,008
OPERATIONS.

756
00:32:57,075 --> 00:32:59,410
AND THE FINAL LINE OF EFFORT

757
00:32:59,477 --> 00:33:01,179
FOCUSES ON CONDUCTIVE

758
00:33:01,245 --> 00:33:02,447
ENVIRONMENTS BOTH AT HOME AND

759
00:33:02,513 --> 00:33:02,947
ABROAD.

760
00:33:03,014 --> 00:33:06,184
AS YOU MENTIONED IN YOUR OPENING

761
00:33:06,250 --> 00:33:07,318
REMARKS, MR. VICE PRESIDENT, WE

762
00:33:07,385 --> 00:33:10,722
HAVE WORK TO DO, STREAMLINING

763
00:33:10,788 --> 00:33:12,523

REGULATORY ENVIRONMENT, BETTER

764

00:33:12,590 --> 00:33:15,893

USE AND SUPPORT SPACE INDUSTRY.

765

00:33:15,960 --> 00:33:17,729

INTERNATIONALLY THIS INCLUDED

766

00:33:17,795 --> 00:33:20,998

BILATERAL AND MULTI LATERAL

767

00:33:21,065 --> 00:33:23,634

ENGAGEMENTS, PROMOTE BURDEN

768

00:33:23,701 --> 00:33:24,669

SHARING AND FOSTER COOPERATION

769

00:33:24,736 --> 00:33:27,705

AGAINST THREATENING ADVERSARY OF

770

00:33:27,772 --> 00:33:29,474

SPACE ACTIONS.

771

00:33:29,540 --> 00:33:30,675

MR. VICE PRESIDENT, LIKE OUR

772

00:33:30,742 --> 00:33:32,143

AUDIENCE TODAY, AND LIKE THE

773

00:33:32,210 --> 00:33:34,479

PANELS THAT YOU'LL SEE HERE

774

00:33:34,545 --> 00:33:37,348

TODAY, THESE EFFORTS CUT ACROSS

775

00:33:37,415 --> 00:33:40,852

NATIONAL SECURITY, COMMERCIAL,

776

00:33:40,918 --> 00:33:42,587

AND CIVIL SPACEK MATERIALS, AND

777

00:33:42,653 --> 00:33:52,764

THE STRATEGY WILL NOT ONLY BENEFIT OURSELS

778

00:33:52,830 --> 00:33:55,066

BUT PEOPLE OF ALL NATIONS WILL

779

00:33:55,133 --> 00:33:56,701

BENEFIT THE POTENTIALS THAT

780

00:33:56,768 --> 00:33:58,136

SPACE OFFERS.

781

00:33:58,202 --> 00:34:00,538

I'LL NOTE THAT IT WILL INCREASES

782

00:34:00,605 --> 00:34:03,408

THE FUNDING FOR DOD SPACE

783

00:34:03,474 --> 00:34:06,677

PROGRAMS BY OVER \$1 BILLION IN

784

00:34:06,744 --> 00:34:08,780

FISCAL YEAR 2019 ALONE.

785

00:34:08,846 --> 00:34:10,481

AND BY \$8 BILLION OVER THE NEXT

786

00:34:10,548 --> 00:34:12,116

FIVE YEARS.

787

00:34:12,183 --> 00:34:14,485

NASA'S BUDGET FOR 2019 IS BEING

788

00:34:14,552 --> 00:34:17,221

INCREASED BY \$300 MILLION WHILE

789

00:34:17,288 --> 00:34:19,624

ALSO BEING RESTRUCTURED TO FOCUS

790

00:34:19,690 --> 00:34:21,359

MORE ON EXPLORATION.

791

00:34:21,426 --> 00:34:24,429

WITH YOUR ENDORSEMENT, MR. VICE

792

00:34:24,495 --> 00:34:25,963

PRESIDENT, AND THE PRESIDENT'S

793

00:34:26,030 --> 00:34:27,365

APPROVAL, WE'RE PREPARED TO

794

00:34:27,432 --> 00:34:29,067

BEGIN IMPLEMENTS THIS NATIONAL

795

00:34:29,133 --> 00:34:31,903

STRATEGY FOR SPACE AND

796

00:34:31,969 --> 00:34:35,740

PERIODICALLY ASSESS PROGRESS AND

797

00:34:35,807 --> 00:34:37,508

RECOMMEND TO YOU AND THE COUNCIL

798

00:34:37,575 --> 00:34:38,876

AND THE PRESIDENT.

799

00:34:38,943 --> 00:34:41,012

THANK YOU, MR. VICE PRESIDENT.

800

00:34:41,078 --> 00:34:41,913

>> THANK YOU, GENERAL, AND THANK

801
00:34:41,979 --> 00:34:44,081
YOU FOR THE GREAT COLLABORATION

802
00:34:44,148 --> 00:34:45,483
BETWEEN THE NATIONAL SPACE

803
00:34:45,550 --> 00:34:46,651
COUNCIL AND THE NATIONAL

804
00:34:46,717 --> 00:34:48,019
SECURITY COUNCIL.

805
00:34:48,085 --> 00:34:51,088
IT'S BEEN SEAMLESS, AND WE

806
00:34:51,155 --> 00:34:54,959
APPRECIATE YOUR UPDATE FOR THIS

807
00:34:55,026 --> 00:34:55,426
MEETING.

808
00:34:55,493 --> 00:35:00,665
THE ACTING ADMINISTRATOR OF

809
00:35:00,731 --> 00:35:02,200
NASA, ROBERT LIGHTFOOT, HAS BEEN

810
00:35:02,266 --> 00:35:04,535
BUSY IMPLEMENTING THE SPACE

811
00:35:04,602 --> 00:35:07,505
POLICY DIRECTIVE, AND ALSO ALSO

812
00:35:07,572 --> 00:35:09,774
THAT DIRECTION FROM THE

813
00:35:09,841 --> 00:35:11,042

PRESIDENT GUIDED THE DEVELOPMENT

814

00:35:11,108 --> 00:35:13,978

OF THE PRESIDENT'S BUDGET

815

00:35:14,045 --> 00:35:14,479

SUBMISSION.

816

00:35:14,545 --> 00:35:16,681

PERHAPS YOU CAN GIVE US A BRIEF

817

00:35:16,747 --> 00:35:17,782

OVERVIEW OF THE BUDGET

818

00:35:17,849 --> 00:35:18,549

PRESENTATION AND THE

819

00:35:18,616 --> 00:35:20,585

IMPLEMENTATION OF THE DIRECTOR.

820

00:35:20,651 --> 00:35:23,521

>> WILL DO, THANK YOU, MR. VICE

821

00:35:23,588 --> 00:35:23,955

PRESIDENT.

822

00:35:24,021 --> 00:35:24,789

AND FELLOW COUNCIL MEMBERS,

823

00:35:24,856 --> 00:35:25,923

ESPECIALLY THOSE WHO WORKED WITH

824

00:35:25,990 --> 00:35:27,325

US ON THE DEVELOPMENT OF THIS

825

00:35:27,391 --> 00:35:30,428

ANSWER AND ACTION TO THE SPACE

826

00:35:30,495 --> 00:35:31,395

POLICY DIRECTIVE ONE.

827

00:35:31,462 --> 00:35:33,397

WHAT WE DID IN DEVELOPMENT IN

828

00:35:33,464 --> 00:35:35,199

THIS INITIATIVE, WE CAME UP WITH

829

00:35:35,266 --> 00:35:37,235

THE EXPLORATION CAMPAIGN.

830

00:35:37,301 --> 00:35:39,403

THIS EXPLORATION CAMPAIGN IS A

831

00:35:39,470 --> 00:35:41,072

NATIONAL AND AGENCY EFFORT

832

00:35:41,138 --> 00:35:44,242

FOCUSED ON THREE CORE DOMAINS.

833

00:35:44,308 --> 00:35:47,545

LOWER ORBIT, LUNAR ORBIT AND THE

834

00:35:47,612 --> 00:35:49,413

SURFACE OF THE MOON, AND MARS

835

00:35:49,480 --> 00:35:51,616

AND OTHER DEEP-SPACE OBJECTIVES.

836

00:35:51,682 --> 00:35:53,084

THE GOALS OF THIS CAMPAIGN ARE

837

00:35:53,150 --> 00:35:55,186

TO TRANSITION THE U.S. HUMAN

838

00:35:55,253 --> 00:35:59,490

SPACE FLIGHT INTO LOWER ORBIT TO

839

00:35:59,557 --> 00:36:02,593

COMMERCIAL EXPLORATION FOR AN

840

00:36:02,660 --> 00:36:05,296

EMERGING SERVICE MARKET.

841

00:36:05,363 --> 00:36:07,298

EXPLORE U.S. FLIGHT OPERATIONS

842

00:36:07,365 --> 00:36:08,132

TO THE LUNAR FACILITY.

843

00:36:08,199 --> 00:36:10,935

AND ROBOTIC EXPLORATION OF THE

844

00:36:11,002 --> 00:36:12,203

MOON, BOTH SCIENTIFIC AND HUMAN

845

00:36:12,270 --> 00:36:15,773

AS WE MOVE FORWARD.

846

00:36:15,840 --> 00:36:17,441

IN PREPARATION FOR TAKING HUMANS

847

00:36:17,508 --> 00:36:17,875

TO MARS.

848

00:36:17,942 --> 00:36:19,777

THE OBJECTIVES, FIRST OF ALL,

849

00:36:19,844 --> 00:36:22,179

WE'LL START WITH LOWER ORBIT.

850

00:36:22,246 --> 00:36:25,216

WE WANT TO END DIRECT SUPPORT

851
00:36:25,283 --> 00:36:29,153
WHILE STIMULATING COMMERCIAL

852
00:36:29,220 --> 00:36:33,958
INDUSTRY TO DEVELOP NASA'S

853
00:36:34,025 --> 00:36:36,761
PRIVATE SECTOR MEETING

854
00:36:36,827 --> 00:36:37,828
SCIENTIFIC REQUIREMENTS.

855
00:36:37,895 --> 00:36:40,998
WE'LL EXPLORE THE BREADTH AND

856
00:36:41,065 --> 00:36:43,367
DEPTH OF LOWER ORBIT ACTIVITIES,

857
00:36:43,434 --> 00:36:45,736
AND SPECIFICALLY WE'LL OFFER

858
00:36:45,803 --> 00:36:48,506
PARTNERSHIPS TO NEW NATIONS

859
00:36:48,573 --> 00:36:50,741
BASED ON INPUTS FROM OUR CURRENT

860
00:36:50,808 --> 00:36:55,713
ISS AND COMMERCIAL STAKEHOLDERS

861
00:36:55,780 --> 00:36:57,815
TO SHAPE THE PLAN, AS WE'VE BEEN

862
00:36:57,882 --> 00:36:58,649
ASKED TO DO.

863
00:36:58,716 --> 00:37:04,155

WE'LL HELP TO DEVELOP NEW

864

00:37:04,221 --> 00:37:08,059

PRODUCTS THAT CAN BE BROUGHT TO

865

00:37:08,125 --> 00:37:09,860

BEAR IN LOWER ORBIT.

866

00:37:09,927 --> 00:37:11,796

TO THE MOON, THE LONG-TERM

867

00:37:11,862 --> 00:37:13,764

PRESENCE IN THE VICINITY OF THE

868

00:37:13,831 --> 00:37:15,933

MOON AND ON THE MOON, BOTH

869

00:37:16,000 --> 00:37:20,304

SCIENTIFICALLY AND IN A PRIVATE

870

00:37:20,371 --> 00:37:20,838

PERSPECTIVE.

871

00:37:20,905 --> 00:37:23,808

THE FIRST FLIGHT IN 2020 TO THE

872

00:37:23,874 --> 00:37:25,509

MOON AND THE CREW FLIGHT IN

873

00:37:25,576 --> 00:37:25,943

2023.

874

00:37:26,010 --> 00:37:28,512

WE INTEND TO ESTABLISH A NEW

875

00:37:28,579 --> 00:37:29,981

LUNAR ORBITING PLATFORM FOR

876

00:37:30,047 --> 00:37:32,250

CREWS TO VISIT FROM EARTH TO

877

00:37:32,316 --> 00:37:35,119

TRANSIT TO AND FROM FROM THE

878

00:37:35,186 --> 00:37:36,454

LUNAR SURFACE AND ULTIMATELY

879

00:37:36,520 --> 00:37:38,289

RETURN TO MARS.

880

00:37:38,356 --> 00:37:40,625

WE'LL DEVELOP THE LUNAR ORBITING

881

00:37:40,691 --> 00:37:43,461

GATEWAY THAT AT A MINIMUM BEGINS

882

00:37:43,527 --> 00:37:45,162

TO PUT THE HABITAT THAT WE'RE

883

00:37:45,229 --> 00:37:47,264

GOING TO NEED TO STAY WHEN WE GO

884

00:37:47,331 --> 00:37:47,698

THERE.

885

00:37:47,765 --> 00:37:51,602

AT THE SURFACE WE'LL ORCHESTRATE

886

00:37:51,669 --> 00:37:55,473

A LUNAR ROBOTICS CAMPAIGN FOR

887

00:37:55,539 --> 00:37:56,607

GROWING A COMMERCIAL BASE OF

888

00:37:56,674 --> 00:37:57,975

PARTNERSHIPS AND ACTIVITY TO

889

00:37:58,042 --> 00:37:59,677

SUPPORT SCIENCE, TECHNOLOGY, AND

890

00:37:59,744 --> 00:38:04,048

EXPLORATION OBJECTIVES AND

891

00:38:04,115 --> 00:38:06,484

INCLUDE PRESENTATION WHERE

892

00:38:06,550 --> 00:38:10,688

APPROPRIATE.

893

00:38:10,755 --> 00:38:12,790

WE'LL DEVELOP A MID TO

894

00:38:12,857 --> 00:38:14,425

LARGE-SCALE LANDER IN THE

895

00:38:14,492 --> 00:38:14,892

FUTURE.

896

00:38:14,959 --> 00:38:16,861

THIS INITIATIVE WILL FOCUS ON

897

00:38:16,927 --> 00:38:19,296

ENABLING AGAIN COMMERCIAL AND

898

00:38:19,363 --> 00:38:20,865

INTERNATIONAL PARTNERSHIPS AND

899

00:38:20,931 --> 00:38:22,433

WE'LL SUPPORT EARLY SCIENCE AND

900

00:38:22,500 --> 00:38:24,402

TECHNOLOGY THAT INCLUDES CUBE

901
00:38:24,468 --> 00:38:27,271
SETS LUNAR CUBE SETS, LUNAR

902
00:38:27,338 --> 00:38:28,606
INSTITUTE AND OTHER ACTIVITIES.

903
00:38:28,673 --> 00:38:30,841
THIS WILL FURTHER ENABLE THE

904
00:38:30,908 --> 00:38:32,376
COMMERCIAL MARKET, AND DEFINE

905
00:38:32,443 --> 00:38:35,346
THE LONG-TERM HUMAN EXPLORATION

906
00:38:35,413 --> 00:38:37,715
IN ADVANCEMENT OF THE LUNAR

907
00:38:37,782 --> 00:38:38,616
SURFACE.

908
00:38:38,683 --> 00:38:39,517
FOR MARS AND OTHER DEEP-SPACE

909
00:38:39,583 --> 00:38:41,018
OBJECTIVES THAT WE HAVE, WE WANT

910
00:38:41,085 --> 00:38:43,087
TO MAINTAIN AND GROW THE U.S.

911
00:38:43,154 --> 00:38:44,221
LEADERSHIP AT MARS.

912
00:38:44,288 --> 00:38:46,924
WE HAVE A ROVER GO IN 2020.

913
00:38:46,991 --> 00:38:50,194

THE FIRST STEP TO DEMONSTRATE

914

00:38:50,261 --> 00:38:51,429

SAMPLE RETURN AND STRATEGY AND

915

00:38:51,495 --> 00:38:53,264

WILL TAKE AN EXPERIMENT TO TELL

916

00:38:53,330 --> 00:38:55,700

US IF WE'LL PRODUCE OXYGEN FROM

917

00:38:55,766 --> 00:38:57,234

THE ATMOSPHERE AND MARS.

918

00:38:57,301 --> 00:38:58,869

AN EXCITING MISSION FOR US THEN.

919

00:38:58,936 --> 00:39:00,838

WE'LL USE THIS MISSION AS A

920

00:39:00,905 --> 00:39:05,376

BUILDING BLOCK FOR SUBSEQUENT

921

00:39:05,443 --> 00:39:06,944

ROBOTIC MISSIONS FOR THE FUTURE

922

00:39:07,011 --> 00:39:09,647

RETURN TO THE LUNAR GATEWAY THAT

923

00:39:09,714 --> 00:39:12,083

WE'RE BUILDING, BROADENING THE

924

00:39:12,149 --> 00:39:13,417

EXPLORATION ARCHITECTURE AS WE

925

00:39:13,484 --> 00:39:14,618

MOVE FORWARD.

926

00:39:14,685 --> 00:39:17,221

WE'LL PRIVATIZE THESE

927

00:39:17,288 --> 00:39:18,155

INVESTMENTS TO GUIDE US AND

928

00:39:18,222 --> 00:39:19,924

REALLY ALIGN TOWARDS

929

00:39:19,990 --> 00:39:20,991

EXPLORATION, A TREMENDOUS FOCUS

930

00:39:21,058 --> 00:39:22,426

FOR US AS WE MOVE FORWARD.

931

00:39:22,493 --> 00:39:24,495

SO THAT'S KIND OF THE NUANCE AND

932

00:39:24,562 --> 00:39:25,730

THE RESPONSE.

933

00:39:25,796 --> 00:39:28,099

AND I THINK WHAT YOU'LL FIND,

934

00:39:28,165 --> 00:39:30,034

MR. PRESIDENT, IS THAT THIS NASA

935

00:39:30,101 --> 00:39:32,603

TEAM, YOUR INDUSTRY TEAM AND OUR

936

00:39:32,670 --> 00:39:34,405

INTERNATIONAL PARTNERS ARE

937

00:39:34,472 --> 00:39:36,474

READY, AND READY TO GET STARTED.

938

00:39:36,540 --> 00:39:37,808

THANK YOU FOR THE SUPPORT IN THE

939

00:39:37,875 --> 00:39:38,309
BUDGET.

940

00:39:38,375 --> 00:39:39,744
WE DID SEE THE INCREASE, AND

941

00:39:39,810 --> 00:39:41,278
WE'RE READY TO DO THIS.

942

00:39:41,345 --> 00:39:41,879
THANK YOU.

943

00:39:41,946 --> 00:39:42,947
>> THANK YOU, ROBERT.

944

00:39:43,013 --> 00:39:43,481
WELL DONE.

945

00:39:43,547 --> 00:39:46,784
[APPLAUSE]

946

00:39:46,851 --> 00:39:48,619
WE WANT TO THANK THE NATIONAL

947

00:39:48,686 --> 00:39:50,821
SECURITY COUNCIL AND NASA FOR

948

00:39:50,888 --> 00:39:52,389
DOING SUCH A GREAT JOB

949

00:39:52,456 --> 00:39:54,325
RESPONDING TO THE 45-DAY

950

00:39:54,391 --> 00:39:55,292
REPORTING PERIOD.

951
00:39:55,359 --> 00:39:57,194
NOT A LOT HAPPENS IN THE FEDERAL

952
00:39:57,261 --> 00:39:59,497
GOVERNMENT IN 45 DAYS.

953
00:39:59,563 --> 00:40:02,733
BUT YOU ALL DID OUTSTANDING WORK

954
00:40:02,800 --> 00:40:04,735
REFLECTING THE PRESIDENT'S

955
00:40:04,802 --> 00:40:06,537
URGENCY ON THIS EFFORT.

956
00:40:06,604 --> 00:40:09,540
TWO OTHERS THAT HAVE DONE

957
00:40:09,607 --> 00:40:11,776
EXCELLENT WORK ARE THE COMMERCE

958
00:40:11,842 --> 00:40:14,645
AND TRANSPORTATION DEPARTMENT.

959
00:40:14,712 --> 00:40:17,314
THE TRANSPORTATION IS

960
00:40:17,381 --> 00:40:20,217
REPRESENTED BY DEPUTY SECRETARY

961
00:40:20,284 --> 00:40:21,452
ROSEN, AND SECRETARY ROSS IS

962
00:40:21,519 --> 00:40:22,953
WITH US FROM THE COMMERCE

963
00:40:23,020 --> 00:40:23,487

DEPARTMENT.

964

00:40:23,554 --> 00:40:24,989

JEFF, IF YOU WANT TO GIVE US A

965

00:40:25,055 --> 00:40:26,657

QUICK UPDATE, I KNOW THE

966

00:40:26,724 --> 00:40:29,093

SECRETARY COULD NOT BE WITH US

967

00:40:29,160 --> 00:40:30,694

TODAY, BUT CAN YOU GIVE US A

968

00:40:30,761 --> 00:40:33,264

QUICK UPDATE ON SOME OF THE

969

00:40:33,330 --> 00:40:34,231

RECOMMENDS CHANGES THAT

970

00:40:34,298 --> 00:40:36,467

TRANSPORTATION HAS BEEN WORKING

971

00:40:36,534 --> 00:40:39,003

THROUGH, PARTICULARLY WITH

972

00:40:39,069 --> 00:40:40,738

REGARD TO COMMERCE AND WITH

973

00:40:40,805 --> 00:40:42,506

REGARD TO SPACE EXPLORATION.

974

00:40:42,573 --> 00:40:43,941

>> YES, THANK YOU, MR. VICE

975

00:40:44,008 --> 00:40:44,341

PRESIDENT.

976
00:40:44,408 --> 00:40:46,110
I'M SO PLEASED TO BE HERE WITH

977
00:40:46,177 --> 00:40:47,545
THIS SPACE COUNCIL AND ALL OF US

978
00:40:47,611 --> 00:40:49,046
FROM THE DEPARTMENT OF

979
00:40:49,113 --> 00:40:51,015
TRANSPORTATION, VERY MUCH

980
00:40:51,081 --> 00:40:52,183
APPRECIATE AND WE'RE GRATEFUL

981
00:40:52,249 --> 00:40:53,717
FOR YOUR LEADERSHIP.

982
00:40:53,784 --> 00:40:55,352
THE SECRETARY WAS UNABLE TO MAKE

983
00:40:55,419 --> 00:40:57,288
IT TODAY, BUT SHE ASKED THAT I

984
00:40:57,354 --> 00:40:58,689
MAKE VERY CLEAR THAT THE

985
00:40:58,756 --> 00:41:00,424
DEPARTMENT OF TRANSPORTATION IS

986
00:41:00,491 --> 00:41:02,092
STRONGLY COMMITTED TO REGULATORY

987
00:41:02,159 --> 00:41:04,962
STREAMLINING AND MODERNIZING OUR

988
00:41:05,029 --> 00:41:06,797

SPACE REGULATORY FRAMEWORK.

989

00:41:06,864 --> 00:41:08,566

AS WAS MENTIONED AT THE PREVIOUS

990

00:41:08,632 --> 00:41:09,967

MEETING OF THE COUNCIL, YOU

991

00:41:10,034 --> 00:41:13,237

ASKED US, ALONG WITH O & B AND

992

00:41:13,304 --> 00:41:14,839

DEPARTMENT OF COMMERCE TO

993

00:41:14,905 --> 00:41:18,509

PREPARE A NEW 45-DAY PLAN TO

994

00:41:18,576 --> 00:41:21,212

OVERHAUL AND STREAMLINE OUR

995

00:41:21,278 --> 00:41:23,347

SOMEWHAT RUSTY SPACE LICENSING

996

00:41:23,414 --> 00:41:23,814

FRAMEWORK.

997

00:41:23,881 --> 00:41:25,282

WE HAVE WORKED HARD TO DO THAT,

998

00:41:25,349 --> 00:41:29,486

AND WE'VE COME UP WITH

999

00:41:29,553 --> 00:41:32,356

STRUCTURAL AND MEANINGFUL

1000

00:41:32,423 --> 00:41:34,325

CHANGES, AND WE HOPE THAT IT

1001
00:41:34,391 --> 00:41:35,192
MEETS WITH YOUR APPROVAL.

1002
00:41:35,259 --> 00:41:36,360
THERE ARE FIVE MAIN ELEMENTS

1003
00:41:36,427 --> 00:41:38,596
THAT I WANT TO TOUCH ON BRIEFLY

1004
00:41:38,662 --> 00:41:39,029
TODAY.

1005
00:41:39,096 --> 00:41:41,599
THE FIRST IS WE WANT TO

1006
00:41:41,665 --> 00:41:43,133
IMPLEMENT ACCELERATED RULE

1007
00:41:43,200 --> 00:41:43,934
MAKING PLANS.

1008
00:41:44,001 --> 00:41:46,570
MEANING WE SHORTEN THE TIMELINES

1009
00:41:46,637 --> 00:41:48,439
THAT THE FAA AND THE DEPARTMENT

1010
00:41:48,505 --> 00:41:51,342
ARE WORKING ON TO MEET THE

1011
00:41:51,408 --> 00:41:52,576
AMBITIOUS SCHEDULE THAT YOU AND

1012
00:41:52,643 --> 00:41:55,379
THE COUNCIL HAVE SET OUT.

1013
00:41:55,446 --> 00:42:00,584

SECOND, WE WANT TO PROVIDE SOME

1014

00:42:00,651 --> 00:42:02,019

IMMEDIATE INTERIM RELIEF SUCH AS

1015

00:42:02,086 --> 00:42:06,357

THE EXPANDED USE OF WAIVERS AND

1016

00:42:06,423 --> 00:42:07,558

PROGRAMS WHERE APPROPRIATE SO WE

1017

00:42:07,625 --> 00:42:09,593

CAN RIGHT AWAY BEGIN FACILE

1018

00:42:09,660 --> 00:42:11,161

EATING THE OBJECTIVES OF THE

1019

00:42:11,228 --> 00:42:11,629

COUNCIL.

1020

00:42:11,695 --> 00:42:13,130

THE THIRD PIECE OF THE PLAN IS

1021

00:42:13,197 --> 00:42:16,000

TO FOCUS FAA RESOURCES SO WE

1022

00:42:16,066 --> 00:42:18,435

STRENGTHEN THE PORTION OF THE

1023

00:42:18,502 --> 00:42:20,271

FAA THAT MOST DIRECTLY DEALS

1024

00:42:20,337 --> 00:42:21,805

WITH LICENSING, AND THE

1025

00:42:21,872 --> 00:42:25,009

REGULATORY APPROVALS SO THAT WE

1026
00:42:25,075 --> 00:42:25,743
CAN ACCOMPLISH THE GOALS THAT

1027
00:42:25,809 --> 00:42:28,012
HAVE BEEN SET OUT.

1028
00:42:28,078 --> 00:42:31,882
A FOURTH ITEM IS TO ESTABLISH A

1029
00:42:31,949 --> 00:42:32,616
JOINT TASK FORCE.

1030
00:42:32,683 --> 00:42:35,019
THE PURPOSE OF THIS IS 20

1031
00:42:35,085 --> 00:42:36,353
FACILITATE BETTER COORDINATION

1032
00:42:36,420 --> 00:42:39,089
WITHIN THE U.S. GOVERNMENT SO

1033
00:42:39,156 --> 00:42:41,425
THAT PEOPLE THAT NEED REGULATORY

1034
00:42:41,492 --> 00:42:43,661
APPROVALS DON'T FACE CONFUSING

1035
00:42:43,727 --> 00:42:45,496
SITUATIONS AS TO WHO IS DOING

1036
00:42:45,562 --> 00:42:47,331
WHAT, AND HOW TO GET THE

1037
00:42:47,398 --> 00:42:49,066
APPROVALS THAT THEY NEED.

1038
00:42:49,133 --> 00:42:50,601

THE FIFTH PIECE AND PERHAPS THE

1039

00:42:50,668 --> 00:42:52,670

MOST IMPORTANT IS THE NEW

1040

00:42:52,736 --> 00:42:53,637

LICENSING FRAMEWORK AS WAS SET

1041

00:42:53,704 --> 00:42:55,205

OUT IN RECOMMENDATION ONE FOR

1042

00:42:55,272 --> 00:42:57,875

TODAY'S MEETING, OUR ULTIMATE

1043

00:42:57,942 --> 00:43:01,378

AIM IS THE 51ST CENTURY FILE AND

1044

00:43:01,445 --> 00:43:03,914

FLY KIND OF LICENSING FRAMEWORK.

1045

00:43:03,981 --> 00:43:06,317

AND THE PLAN INCLUDES SPECIFIC

1046

00:43:06,383 --> 00:43:08,585

NEW REGULATORY DEADLINES AND

1047

00:43:08,652 --> 00:43:09,920

APPROACHES IN THE AIM OF GETTING

1048

00:43:09,987 --> 00:43:13,357

THIS TO A FILE AND FLY TYPE OF

1049

00:43:13,424 --> 00:43:14,825

REGULATORY APPROACH AS QUICKLY

1050

00:43:14,892 --> 00:43:15,960

AS POSSIBLE.

1051
00:43:16,026 --> 00:43:17,394
SO WE LOOK FORWARD TO

1052
00:43:17,461 --> 00:43:18,896
IMPLEMENTING THIS CHANGED

1053
00:43:18,963 --> 00:43:20,597
APPROACH, AND DELIVERING ON A

1054
00:43:20,664 --> 00:43:24,435
NEW RESPONSIVE, EASILY TO

1055
00:43:24,501 --> 00:43:25,569
NAVIGATE AND SENSIBLE COMMERCIAL

1056
00:43:25,636 --> 00:43:28,572
BASE REGULATORY FRAMEWORK AND WE

1057
00:43:28,639 --> 00:43:37,915
WEMUCH LOOK FORWARD TO MAKING THIS

1058
00:43:37,982 --> 00:43:38,349
HAPPEN.

1059
00:43:38,415 --> 00:43:42,252
THANK YOU.

1060
00:43:42,319 --> 00:43:43,520
[APPLAUSE]

1061
00:43:43,587 --> 00:43:45,122
>> THANK YOU, JEFFREY.

1062
00:43:45,189 --> 00:43:47,725
AND WITH THAT LET ME RECOGNIZE

1063
00:43:47,791 --> 00:43:50,794

THE SECRETARY OF COMMERCE, WHO I

1064

00:43:50,861 --> 00:43:53,330

KNOW HAS BEEN WORKING VERY

1065

00:43:53,397 --> 00:43:55,432

CLOSELY WITH THE SECRETARY TO

1066

00:43:55,499 --> 00:43:57,735

ACHIEVE EXACTLY THE

1067

00:43:57,801 --> 00:43:59,536

STREAMLINING, THE OBJECTIVES

1068

00:43:59,603 --> 00:44:00,637

THAT WE DISCUSSED.

1069

00:44:00,704 --> 00:44:01,238

THANK YOU.

1070

00:44:01,305 --> 00:44:03,540

>> THANK YOU, MR. VICE

1071

00:44:03,607 --> 00:44:04,008

PRESIDENT.

1072

00:44:04,074 --> 00:44:05,209

MR. VICE PRESIDENT, MEMBERS OF

1073

00:44:05,275 --> 00:44:09,646

THE NATIONAL SPACE COUNCIL,

1074

00:44:09,713 --> 00:44:10,581

ADVISORY GROUPS, AND

1075

00:44:10,647 --> 00:44:12,883

DISTINGUISHED GUESTS, RECENTLY

1076
00:44:12,950 --> 00:44:21,425
HERE AT CAPE CANAVERAL, THE

1077
00:44:21,492 --> 00:44:25,662
SPACEX LAUNCHED, AND THEY

1078
00:44:25,729 --> 00:44:27,231
SCHEDULED THE LAND BACK HERE.

1079
00:44:27,297 --> 00:44:28,799
THIS IS THEIR SECOND USE.

1080
00:44:28,866 --> 00:44:30,768
YOU SAW ONE OF THEM AS YOU CAME

1081
00:44:30,834 --> 00:44:31,135
IN.

1082
00:44:31,201 --> 00:44:35,272
IT WILL BE READY FOR ITS THIRD

1083
00:44:35,339 --> 00:44:39,209
LAUNCH, IN AMAZING TECHNOLOGICAL

1084
00:44:39,276 --> 00:44:39,910
AND COMMERCIAL FEAT.

1085
00:44:39,977 --> 00:44:42,946
THANKS TO IMPRESSIVE EVENTS SUCH

1086
00:44:43,013 --> 00:44:44,348
AS THIS, THE UNITED STATES IS

1087
00:44:44,415 --> 00:44:48,018
THE LEADER IN SPACE ONCE AGAIN.

1088
00:44:48,085 --> 00:44:50,988

SOMEWHERE OUT THERE IN SPACE IS

1089

00:44:51,055 --> 00:44:53,357

A BRIGHT RED ROOSTER GOING

1090

00:44:53,424 --> 00:44:56,460

THOUSANDS OF MILES PER HOUR, THE

1091

00:44:56,527 --> 00:44:58,262

FASTEST CAR IN HISTORY.

1092

00:44:58,328 --> 00:45:02,299

WE HAD BETTER KEEP UP WITH IT.

1093

00:45:02,366 --> 00:45:06,070

SPACE IS ALREADY A \$330 BILLION

1094

00:45:06,136 --> 00:45:10,140

INDUSTRY SUPPORTING 211,000

1095

00:45:10,207 --> 00:45:11,308

AMERICAN JOBS.

1096

00:45:11,375 --> 00:45:16,146

BUT OUR SHARE OF THE 1,700 NEW

1097

00:45:16,213 --> 00:45:19,249

COMPANIES CREATED WORLDWIDE LAST

1098

00:45:19,316 --> 00:45:23,187

YEAR WAS ONLY 45%, FAR LOWER

1099

00:45:23,253 --> 00:45:26,290

THAN OUR SHARE OF LAUNCHES.

1100

00:45:26,356 --> 00:45:29,827

PRIVATE COMPANIES FUNDED

1101
00:45:29,893 --> 00:45:32,529
\$3.9 BILLION OF OUR SPACE EFFORT

1102
00:45:32,596 --> 00:45:36,066
LAST YEAR, BUT THEY'RE COMPETING

1103
00:45:36,133 --> 00:45:37,534
AGAINST 70 FOREIGN GOVERNMENTS,

1104
00:45:37,601 --> 00:45:39,470
SO THEY NEED ALL THE SUPPORT WE

1105
00:45:39,536 --> 00:45:42,673
CAN GIVE THEM.

1106
00:45:42,739 --> 00:45:45,576
COUNTRIES NEW TO SPACE HAVE AN

1107
00:45:45,642 --> 00:45:48,112
INHERENT ADVANTAGE IN TERMS OF

1108
00:45:48,178 --> 00:45:49,379
THE REGULATORY ENVIRONMENT

1109
00:45:49,446 --> 00:45:51,815
BECAUSE THEY CARRY NO BAGGAGE

1110
00:45:51,882 --> 00:45:56,687
FROM THE EARLIER, SIMPLER DAYS

1111
00:45:56,753 --> 00:45:57,588
IN SPACE.

1112
00:45:57,654 --> 00:46:01,058
IN CONTRAST MUCH OF OUR REMOTE

1113
00:46:01,125 --> 00:46:08,699

SENSING REGULATORY REGIME IS 5 25

1114

00:46:08,765 --> 00:46:09,900
YEARS AGO.

1115

00:46:09,967 --> 00:46:12,236
AND IT BEARS LITTLE RESEMBLANCE

1116

00:46:12,302 --> 00:46:13,103
TO SPACE TODAY.

1117

00:46:13,170 --> 00:46:15,205
NOW THE RATE OF INNOVATION IS

1118

00:46:15,272 --> 00:46:17,608
EXTRAORDINARY, SO WE NEED AN

1119

00:46:17,674 --> 00:46:21,111
ADAPTIVE AND RELATIVELY

1120

00:46:21,178 --> 00:46:24,381
PERMISSIVE REGULATORY SYSTEM.

1121

00:46:24,448 --> 00:46:27,351
NOOA, FAA AND FCC AND OTHER

1122

00:46:27,417 --> 00:46:29,219
AGENCIES EACH HAVE A ROLE, AND

1123

00:46:29,286 --> 00:46:32,322
THEY ALL HAVE OBLIGATIONS TO

1124

00:46:32,389 --> 00:46:37,027
DOD, THE IOC, AND STATE AS WELL.

1125

00:46:37,094 --> 00:46:40,998
THAT COMPLEXITY INHERENTLY

1126
00:46:41,064 --> 00:46:42,466
CAUSES DELAY.

1127
00:46:42,533 --> 00:46:44,468
SINCE THE FIRST MEETING IN

1128
00:46:44,535 --> 00:46:46,069
OCTOBER, COMMERCE'S REVIEW OF

1129
00:46:46,136 --> 00:46:48,939
THE OUTDATED REGULATORY

1130
00:46:49,006 --> 00:46:52,409
FRAMEWORK AND DISCUSSIONS WITHIN

1131
00:46:52,476 --> 00:46:55,012
AN AMBITIOUS BUT FRUSTRATED

1132
00:46:55,078 --> 00:46:56,580
SPACE INDUSTRY MADE IT CLEAR

1133
00:46:56,647 --> 00:47:01,585
THAT THE RATE OF REGULATORY

1134
00:47:01,652 --> 00:47:03,520
CHANGE MUST MATCH THE RATE OF

1135
00:47:03,587 --> 00:47:04,488
TECHNOLOGICAL CHANGE.

1136
00:47:04,555 --> 00:47:09,326
THAT IS HOW WE WILL INSURE THAT

1137
00:47:09,393 --> 00:47:10,661
BUSINESSES CHOOSE THE UNITED

1138
00:47:10,727 --> 00:47:14,731

STATES AS THEIR FLAG OF CHOICE

1139

00:47:14,798 --> 00:47:17,568

FOR SPACE.

1140

00:47:17,634 --> 00:47:19,136

SO AT THE DEPARTMENT WE'RE

1141

00:47:19,203 --> 00:47:21,972

WORKING TO CREATE A NEW ONE-STOP

1142

00:47:22,039 --> 00:47:24,675

SHOP FOR SPACE COMMERCE.

1143

00:47:24,741 --> 00:47:25,876

MR. VICE PRESIDENT, WITH THE

1144

00:47:25,943 --> 00:47:27,244

COUNCIL'S DIRECTION, I WILL MOVE

1145

00:47:27,311 --> 00:47:32,049

THE OFFICE OF SPACE COMMERCE AND

1146

00:47:32,115 --> 00:47:35,852

THE COMMERCIAL REMOTE REGULATORY

1147

00:47:35,919 --> 00:47:43,594

AFFAIRS OFFICE FROM NOAA TO MY

1148

00:47:43,660 --> 00:47:44,695

DIRECT OVER SIGHT OF THE OFFICE

1149

00:47:44,761 --> 00:47:48,765

OF THE SECRETARY.

1150

00:47:48,832 --> 00:47:50,467

[APPLAUSE]

1151
00:47:50,534 --> 00:47:54,204
THIS ELEVATED AND AMPLIFIED

1152
00:47:54,271 --> 00:47:55,505
SPACE COMMERCE WILL COORDINATE

1153
00:47:55,572 --> 00:47:59,109
ALL SPACE-RELATED FUNCTIONS OF

1154
00:47:59,176 --> 00:48:00,444
THE DEPUTY.

1155
00:48:00,510 --> 00:48:05,048
REMOTE SENSING, SPECTRUM POLICY,

1156
00:48:05,115 --> 00:48:06,883
EXPORT CONTROLS, BUSINESS AND

1157
00:48:06,950 --> 00:48:08,852
TRADE PROMOTION TO NAME A FEW.

1158
00:48:08,919 --> 00:48:11,688
IN ADDITION TO THE PROPOSED

1159
00:48:11,755 --> 00:48:13,957
RELOCATION OF THE OFFICE OF

1160
00:48:14,024 --> 00:48:15,926
SPACE COMMERCIAL WE WILL ALSO

1161
00:48:15,993 --> 00:48:19,630
SOON NAME A DIRECTOR OF THAT

1162
00:48:19,696 --> 00:48:20,130
OFFICE.

1163
00:48:20,197 --> 00:48:21,932

ALSO, WE ARE PROVIDING TO THE

1164

00:48:21,999 --> 00:48:24,701

BUREAU OF INDUSTRY AND SECURITY

1165

00:48:24,768 --> 00:48:28,538

AND THE NTIA ADDITIONAL FUNDING

1166

00:48:28,605 --> 00:48:31,275

FOR THEIR SPACE FOCUS

1167

00:48:31,341 --> 00:48:32,142

ACTIVITIES.

1168

00:48:32,209 --> 00:48:33,944

AND OUR FOREIGN COMMERCIAL

1169

00:48:34,011 --> 00:48:37,381

SERVICE TEAMS LOCATED IN 105

1170

00:48:37,447 --> 00:48:40,384

CITIES AROUND THE WORLD, WE'LL

1171

00:48:40,450 --> 00:48:42,786

RECRUIT FOREIGN SPACE BUSINESSES

1172

00:48:42,853 --> 00:48:44,187

TO OUR COUNTRY.

1173

00:48:44,254 --> 00:48:48,225

SPACE WILL BE FEATURED DURING

1174

00:48:48,292 --> 00:48:49,293

OUR SELECT USA CONFERENCE IN

1175

00:48:49,359 --> 00:48:53,730

JUNE, WHICH LAST YEAR ATTRACTED

1176
00:48:53,797 --> 00:48:55,866
3,000 FOREIGN PARTICIPANTS.

1177
00:48:55,932 --> 00:48:58,902
THE DEPARTMENT THROUGH THE

1178
00:48:58,969 --> 00:49:00,671
PROPOSALS TO THE SPACE COUNCIL

1179
00:49:00,737 --> 00:49:05,008
THAT ALL SPACE COMMERCE

1180
00:49:05,075 --> 00:49:07,110
RESPONSIBILITIES OTHER THAN

1181
00:49:07,177 --> 00:49:08,879
LAUNCH AND RE-ENTRY LICENSING,

1182
00:49:08,945 --> 00:49:12,349
BE CONSOLIDATED TO THE

1183
00:49:12,416 --> 00:49:15,252
DEPARTMENT OF COMMERCE.

1184
00:49:15,319 --> 00:49:21,325
WE FURTHER RECOMMEND THAT

1185
00:49:21,391 --> 00:49:25,295
PRESIDENT DIRECT REGULATIONS AND

1186
00:49:25,362 --> 00:49:27,931
LEGISLATION FOR AN EFFECTIVE

1187
00:49:27,998 --> 00:49:29,299
MISSION AUTHORIZATION FRAMEWORK

1188
00:49:29,366 --> 00:49:34,104

FOR ALL COMMERCIAL ACTIVITIES IN

1189

00:49:34,171 --> 00:49:34,538

SPACE.

1190

00:49:34,604 --> 00:49:42,979

WE PLEDGE TO MAKE PROPOSALS NO

1191

00:49:43,046 --> 00:49:46,483

LATER THAN JULY 1ST.

1192

00:49:46,550 --> 00:49:48,518

THE SPACE HABITATION ARE QUICKLY

1193

00:49:48,585 --> 00:49:50,220

BECOMING MORE THAN SCIENCE

1194

00:49:50,287 --> 00:49:56,760

FICTION, AND WE NEED A

1195

00:49:56,827 --> 00:49:58,895

FUTURE-ORIENTED SPACE AGENDA AND

1196

00:49:58,962 --> 00:49:59,363

REGIME.

1197

00:49:59,429 --> 00:50:01,832

WITH INPUT AND GUIDANCE FROM THE

1198

00:50:01,898 --> 00:50:03,533

SPACE COUNCIL, THE DEPARTMENT OF

1199

00:50:03,600 --> 00:50:06,803

COMMERCE WITH BE THE ONE-STOP

1200

00:50:06,870 --> 00:50:09,840

SHOP THAT THE INDUSTRY SO SORELY

1201
00:50:09,906 --> 00:50:10,273
NEEDS.

1202
00:50:10,340 --> 00:50:12,075
IN ADDITION, THE DEPARTMENT

1203
00:50:12,142 --> 00:50:14,111
RECOMMENDS THAT THE DEPARTMENTS

1204
00:50:14,177 --> 00:50:16,780
OF COMMERCE, STATE, AND DEFENSE

1205
00:50:16,847 --> 00:50:19,916
CONTINUE THEIR EFFORTS TO

1206
00:50:19,983 --> 00:50:22,386
SIMPLIFY EXISTING COMMERCIAL

1207
00:50:22,452 --> 00:50:24,221
REMOTE SENSING, LICENSING

1208
00:50:24,287 --> 00:50:25,122
REGIMES.

1209
00:50:25,188 --> 00:50:28,091
THAT PROCESS MUST BE MADE MORE

1210
00:50:28,158 --> 00:50:30,627
EFFICIENT AND PREDICTABLE.

1211
00:50:30,694 --> 00:50:33,630
SATELLITE COMPANIES NOW FACE A

1212
00:50:33,697 --> 00:50:36,233
TIMELINE THAT CAN TAKE FIVE

1213
00:50:36,299 --> 00:50:43,740

YEARS, UNDEFINED, INDEFINITE,

1214

00:50:43,807 --> 00:50:45,575

AND PROVIDES NO CERTAINTY OR

1215

00:50:45,642 --> 00:50:46,743

PREDICTABILITY TO INDUSTRY.

1216

00:50:46,810 --> 00:50:50,113

THIS IS UNACCEPTABLE AND MUST

1217

00:50:50,180 --> 00:50:52,015

CHANGE.

1218

00:50:52,082 --> 00:50:53,150

OTHERWISE, COMPANIES AND

1219

00:50:53,216 --> 00:50:55,452

CUSTOMERS WILL GO OVERSEAS.

1220

00:50:55,519 --> 00:50:57,821

THERE ARE TWO OTHER AREAS WHERE

1221

00:50:57,888 --> 00:50:59,823

COMMERCE CAN PLAY AN IMPORTANT

1222

00:50:59,890 --> 00:51:02,058

ROLE FOR AMERICAN LEADERSHIP IN

1223

00:51:02,125 --> 00:51:02,826

SPACE.

1224

00:51:02,893 --> 00:51:06,196

THESE ARE INSPECTOR POLICIES AND

1225

00:51:06,263 --> 00:51:07,964

EXPORT LICENSING.

1226
00:51:08,031 --> 00:51:10,867
SPECTRUM IS A SCARCE RESOURCE

1227
00:51:10,934 --> 00:51:14,504
THAT FACILITATES COMMUNICATIONS,

1228
00:51:14,571 --> 00:51:17,040
CONTROL, AND TRANSMISSION OF

1229
00:51:17,107 --> 00:51:19,810
VALUABLE DATA BACK TO EARTH.

1230
00:51:19,876 --> 00:51:21,378
THE NATIONAL SPACE COUNCIL

1231
00:51:21,445 --> 00:51:22,312
SHOULD RECOMMEND THAT THE

1232
00:51:22,379 --> 00:51:24,781
DEPARTMENT BE DIRECTED TO

1233
00:51:24,848 --> 00:51:27,651
DEVELOP AND ADVOCATE FOR

1234
00:51:27,717 --> 00:51:29,586
SPECTRUM POLICIES TO SUPPORT

1235
00:51:29,653 --> 00:51:31,521
COMMERCIAL SPACE ACTIVITIES

1236
00:51:31,588 --> 00:51:33,557
WHILE RESPECTING THE NEEDS OF

1237
00:51:33,623 --> 00:51:36,726
DOD AND OTHERS.

1238
00:51:36,793 --> 00:51:38,028

FINALLY, COMMERCE RECOMMENDS

1239

00:51:38,094 --> 00:51:41,565

THAT THE SPACE COUNCIL AND THE

1240

00:51:41,631 --> 00:51:44,167

EXECUTIVE SECRETARY REVIEW

1241

00:51:44,234 --> 00:51:47,804

EXPORT LICENSING REGULATIONS

1242

00:51:47,871 --> 00:51:49,973

AFFECTING COMMERCIAL SPACE

1243

00:51:50,040 --> 00:51:51,374

ACTIVITY.

1244

00:51:51,441 --> 00:51:53,310

TODAY A SPACE VEHICLE THAT

1245

00:51:53,376 --> 00:51:56,947

RETURNS TO EARTH IN

1246

00:51:57,013 --> 00:51:58,315

INTERNATIONAL WATERS OR NON-U.S.

1247

00:51:58,381 --> 00:52:01,251

TERRITORY IS TREATED AS AN

1248

00:52:01,318 --> 00:52:03,720

EXPORT OF SENSITIVE AND

1249

00:52:03,787 --> 00:52:04,721

DANGEROUS TECHNOLOGY.

1250

00:52:04,788 --> 00:52:10,560

THIS APPROACH IS A PRIMARY

1251
00:52:10,627 --> 00:52:11,294
COMPLAINT OF SPACE COMPANIES.

1252
00:52:11,361 --> 00:52:13,864
IF THE PRESIDENT APPROVES OUR

1253
00:52:13,930 --> 00:52:14,931
RECOMMENDATIONS, WE WILL

1254
00:52:14,998 --> 00:52:16,399
CONTINUE WORKING WITH OUR

1255
00:52:16,466 --> 00:52:19,069
COLLEAGUES AT STATE AND DOD TO

1256
00:52:19,135 --> 00:52:21,671
ENABLE MORE COMMERCIAL

1257
00:52:21,738 --> 00:52:23,707
ACTIVITIES WHILE PROTECTING

1258
00:52:23,773 --> 00:52:26,142
NATIONAL SECURITY.

1259
00:52:26,209 --> 00:52:29,012
THAT LITTLE RED TESLA IN OUTER

1260
00:52:29,079 --> 00:52:30,881
SPACE DOES NEED RULES OF THE

1261
00:52:30,947 --> 00:52:32,582
ROAD, BUT THERE SHOULDN'T BE TOO

1262
00:52:32,649 --> 00:52:38,121
MANY ONE-WAY STREETS, DEAD-ENDS,

1263
00:52:38,188 --> 00:52:39,322

OR U TURNS.

1264

00:52:39,389 --> 00:52:42,926

I PROMISE YOU THAT COMMERCE WILL

1265

00:52:42,993 --> 00:52:43,693

BE A GOOD STORY.

1266

00:52:43,760 --> 00:52:44,294

THANK YOU.

1267

00:52:44,361 --> 00:52:51,601

[APPLAUSE]

1268

00:52:51,668 --> 00:52:54,137

>> WELL, THANK YOU FOR YOUR

1269

00:52:54,204 --> 00:52:55,839

GREAT WORK, AND THE DEPARTMENT'S

1270

00:52:55,906 --> 00:52:57,340

GREAT WORK IN THIS AREA, AND

1271

00:52:57,407 --> 00:52:59,576

WE'LL SPEAK TO YOUR

1272

00:52:59,643 --> 00:53:01,545

RECOMMENDATIONS MOMENTARILY.

1273

00:53:01,611 --> 00:53:04,180

BUT I THINK EVERYONE LOOKING ON

1274

00:53:04,247 --> 00:53:06,383

CAN TELL THE GREAT COLLABORATION

1275

00:53:06,449 --> 00:53:07,751

BETWEEN THE DEPARTMENT OF

1276
00:53:07,817 --> 00:53:10,053
COMMERCE AND THE DEPARTMENT OF

1277
00:53:10,120 --> 00:53:11,121
TRANSPORTATION, AND APPRECIATE

1278
00:53:11,187 --> 00:53:12,923
VERY MUCH THE WORK DONE.

1279
00:53:12,989 --> 00:53:17,494
WE'LL TURN OUR ATTENTION NOW TO

1280
00:53:17,561 --> 00:53:20,196
ADMINISTRATOR THANK YOU FOR

1281
00:53:20,263 --> 00:53:21,398
BEING HERE TODAY.

1282
00:53:21,464 --> 00:53:25,135
MOST PEOPLE MAY NOT BE AWARE OF

1283
00:53:25,201 --> 00:53:27,537
HOW IMPORTANT YOUR JOB IS AT THE

1284
00:53:27,604 --> 00:53:29,639
OFFICE OF MANAGEMENT AND BUDGET.

1285
00:53:29,706 --> 00:53:31,741
YOU LEAD THE REGULATORY AFFAIRS,

1286
00:53:31,808 --> 00:53:33,443
AND IT'S CRITICAL TO THE WORK OF

1287
00:53:33,510 --> 00:53:35,178
THIS COUNCIL.

1288
00:53:35,245 --> 00:53:37,881

I WANT TO THANK THE DIRECTOR WHO

1289

00:53:37,948 --> 00:53:40,784

HAS BEEN WORKING TIRELESSLY TO

1290

00:53:40,850 --> 00:53:42,919

MOVE THE PRESIDENT'S AGENDA.

1291

00:53:42,986 --> 00:53:44,621

CAN YOU GIVE US A QUICK OVERVIEW

1292

00:53:44,688 --> 00:53:46,990

OF WHAT YOU'VE BEEN WORKING

1293

00:53:47,057 --> 00:53:48,558

TOWARDS IN THE OFFICE TO SUPPORT

1294

00:53:48,625 --> 00:53:49,426

THIS EFFORT.

1295

00:53:49,492 --> 00:53:51,494

>> THANK YOU VERY MUCH, MR. VICE

1296

00:53:51,561 --> 00:53:51,928

PRESIDENT.

1297

00:53:51,995 --> 00:53:54,531

IT'S A PLEASURE TO BE HERE WITH

1298

00:53:54,598 --> 00:53:55,865

MEMBERS OF THE CABINET, THE

1299

00:53:55,932 --> 00:53:57,200

SPACE COUNCIL AND OTHER

1300

00:53:57,267 --> 00:53:58,401

DISTINGUISHED GUESTS FOR THIS

1301
00:53:58,468 --> 00:53:59,936
EXCITING AND AMBITIOUS EVENT.

1302
00:54:00,003 --> 00:54:04,774
AS YOU MENTIONED, I'M THED A VIN

1303
00:54:04,841 --> 00:54:05,609
TRAITOR OF THE OFFICE THAT

1304
00:54:05,675 --> 00:54:06,476
REVIEWS ALL SIGNIFICANT

1305
00:54:06,543 --> 00:54:07,877
REGULATORY ACTIONS ACROSS THE

1306
00:54:07,944 --> 00:54:08,445
GOVERNMENT.

1307
00:54:08,511 --> 00:54:10,447
AND IN A NUTSHELL WHAT WE DO IS

1308
00:54:10,513 --> 00:54:13,016
WE TRY TO INSURE THAT

1309
00:54:13,083 --> 00:54:14,985
REGULATIONS SERVE THE AMERICAN

1310
00:54:15,051 --> 00:54:17,153
PEOPLE.

1311
00:54:17,220 --> 00:54:21,257
SINCE THE REAGAN ADMINISTRATION,

1312
00:54:21,324 --> 00:54:25,662
WE HELP THE PRESIDENT MEET

1313
00:54:25,729 --> 00:54:26,663

PRIORITIES, LIKE WE'RE TALKING

1314

00:54:26,730 --> 00:54:28,198

ABOUT TODAY, THE COMMITMENT TO

1315

00:54:28,264 --> 00:54:29,566

BE THE FRONT OF SPACE.

1316

00:54:29,633 --> 00:54:30,667

THERE ARE TREMENDOUS

1317

00:54:30,734 --> 00:54:32,135

OPPORTUNITIES TO USE SPACE FOR

1318

00:54:32,202 --> 00:54:33,970

SECURITY AND COMMERCIAL

1319

00:54:34,037 --> 00:54:34,471

PURPOSES.

1320

00:54:34,537 --> 00:54:36,006

BUT THE SUCCESS OF THESE

1321

00:54:36,072 --> 00:54:40,844

AMBITIOUS VENTURES WILL FEND IN

1322

00:54:40,910 --> 00:54:41,845

PART A REGULATORY SYSTEM THAT

1323

00:54:41,911 --> 00:54:44,981

DOES NOT STAND IN THE WAY OF

1324

00:54:45,048 --> 00:54:46,316

PROGRESS, PROVIDES INNOVATION,

1325

00:54:46,383 --> 00:54:49,219

CLARITY OF SAFETY.

1326

00:54:49,285 --> 00:54:50,387

AND THESE GOALS WITH RESPECT TO

1327

00:54:50,453 --> 00:54:51,421

SPACE DEVELOPMENT ARE CONSISTENT

1328

00:54:51,488 --> 00:54:52,889

WITH PRESIDENT'S OVER ALL

1329

00:54:52,956 --> 00:54:56,059

DIRECTION TO REDUCE REGULATORY

1330

00:54:56,126 --> 00:54:57,193

BURDENS ACROSS THE GOVERNMENT.

1331

00:54:57,260 --> 00:54:58,762

AS AN ADMINISTRATION WE WANT TO

1332

00:54:58,828 --> 00:55:03,700

ADVANCE THE REGULATORY POLICY

1333

00:55:03,767 --> 00:55:05,435

THAT FIRST LEAVES INDIVIDUALS

1334

00:55:05,502 --> 00:55:06,636

AND BUSINESSES AS FREE AS

1335

00:55:06,703 --> 00:55:09,439

POSSIBLE TO INNOVATE AND CREATE

1336

00:55:09,506 --> 00:55:13,810

THE TECHNOLOGY OF THE FUTURE.

1337

00:55:13,877 --> 00:55:15,145

THESE GENERAL PRINCIPLES APPLIED

1338

00:55:15,211 --> 00:55:16,880

ACROSS THE BOARD HAVE PARTICULAR

1339

00:55:16,946 --> 00:55:20,250

IMPORTANCE IN THE AREA OF

1340

00:55:20,316 --> 00:55:22,285

EMERGING TECHNOLOGY SUCH AS

1341

00:55:22,352 --> 00:55:23,953

SPACE EXPLORATION.

1342

00:55:24,020 --> 00:55:25,755

WE DISCOVER THE IDEA THAT THE

1343

00:55:25,822 --> 00:55:27,424

GOVERNMENT SHOULD NOT BE PICKING

1344

00:55:27,490 --> 00:55:29,559

WINNERS AND LOSERS THROUGH

1345

00:55:29,626 --> 00:55:30,160

REGULATION.

1346

00:55:30,226 --> 00:55:33,363

WE DON'T WANT TO FREEZE

1347

00:55:33,430 --> 00:55:35,331

DEVELOPMENT OR STIFLE INNOVATION

1348

00:55:35,398 --> 00:55:37,167

THROUGH GOVERNMENT PRESCRIPTION.

1349

00:55:37,233 --> 00:55:38,234

AS THE SECRETARIES HAVE

1350

00:55:38,301 --> 00:55:39,803

MENTIONED, IMPORTANT REFORM

1351
00:55:39,869 --> 00:55:41,271
BEGINS FIRST BY IDENTIFYING SOME

1352
00:55:41,337 --> 00:55:43,640
OF THE PROBLEMS WITH EXISTING

1353
00:55:43,707 --> 00:55:45,475
REGULATORY FRAMEWORKS.

1354
00:55:45,542 --> 00:55:47,010
WE NEED TO FIND THOSE

1355
00:55:47,077 --> 00:55:53,850
REGULATIONS THAT ARE

1356
00:55:53,917 --> 00:55:56,152
DUPLICATIVE, AND WORK HARD TO

1357
00:55:56,219 --> 00:55:56,986
STREAMLINE THOSE BURDENS.

1358
00:55:57,053 --> 00:56:01,257
IN AREAS WHERE MULTIPLE AGENCIES

1359
00:56:01,324 --> 00:56:02,659
POSE OVERLAPPING BURDENS SUCH AS

1360
00:56:02,726 --> 00:56:03,727
LICENSING OR PAPERWORK

1361
00:56:03,793 --> 00:56:06,896
REPORTING, WE'RE RECONSIDERING

1362
00:56:06,963 --> 00:56:08,098
HOW THOSE REQUIREMENTS CAN BE

1363
00:56:08,164 --> 00:56:09,232

COMBINED OR REPLACED.

1364

00:56:09,299 --> 00:56:12,702

IN PART OF OUR CENTRALIZED ROLE

1365

00:56:12,769 --> 00:56:14,204

WE CAN ADDRESS ISSUES THAT

1366

00:56:14,270 --> 00:56:16,973

EXPAND MULTIPLE AGENCIES TO

1367

00:56:17,040 --> 00:56:18,675

ELIMINATE AND STREAMLINE

1368

00:56:18,742 --> 00:56:19,409

UNNECESSARY REQUIREMENTS.

1369

00:56:19,476 --> 00:56:23,813

THAT SIMPLY WILL ALLOW MORE

1370

00:56:23,880 --> 00:56:25,915

RESOURCES GO TO RESEARCH AND

1371

00:56:25,982 --> 00:56:26,950

PRODUCTION RATHER THAN

1372

00:56:27,016 --> 00:56:28,051

REGULATORY RED TAPE.

1373

00:56:28,118 --> 00:56:29,419

WE'RE CONFIDENT WE CAN DO THIS

1374

00:56:29,486 --> 00:56:30,520

FOR SPACE DEVELOPMENT BECAUSE

1375

00:56:30,587 --> 00:56:31,821

WE'VE DONE THIS IN OTHER

1376

00:56:31,888 --> 00:56:34,224

REGULATORY AREAS.

1377

00:56:34,290 --> 00:56:36,693

THE PRESIDENT HAS DEMONSTRATED

1378

00:56:36,760 --> 00:56:37,627

TREMENDOUS LEADERSHIP IN THIS

1379

00:56:37,694 --> 00:56:40,530

AREA, AND DIRECTED SIGNIFICANT

1380

00:56:40,597 --> 00:56:42,298

AND MEANINGFUL REGULATORY REFORM

1381

00:56:42,365 --> 00:56:44,134

SINCE THE OUTSET OF THE

1382

00:56:44,200 --> 00:56:44,801

ADMINISTRATION.

1383

00:56:44,868 --> 00:56:46,636

HIS EARLIER EXECUTIVE ORDER

1384

00:56:46,703 --> 00:56:53,510

CALLED FOR ELIMINATING TWO

1385

00:56:53,576 --> 00:56:54,911

REGULATIONS FOR EACH NEW ONE.

1386

00:56:54,978 --> 00:56:58,548

AND IN THIS COMING YEAR AGENCIES

1387

00:56:58,615 --> 00:57:00,750

ARE PROPOSING MORE REGULATORY

1388

00:57:00,817 --> 00:57:03,553

ACTIONS AND COST SAVINGS OF OVER

1389

00:57:03,620 --> 00:57:03,987

\$10 BILLION.

1390

00:57:04,053 --> 00:57:07,090

SO IN THE PAST REGULATORY

1391

00:57:07,157 --> 00:57:08,191

BURDENS HAVE STEADILY INCREASED

1392

00:57:08,258 --> 00:57:09,259

OVER TIME, BUT THIS

1393

00:57:09,325 --> 00:57:11,027

ADMINISTRATION HAS REALLY TURNED

1394

00:57:11,094 --> 00:57:12,929

THE TIDE WITH ITS REGULATORY

1395

00:57:12,996 --> 00:57:14,864

REFORM INITIATIVES.

1396

00:57:14,931 --> 00:57:19,169

AND SO IN AREAS OF BURGEONING

1397

00:57:19,235 --> 00:57:21,437

NEW TECHNOLOGIES SUCH AS SPACE

1398

00:57:21,504 --> 00:57:23,640

DEVELOPMENT, THIS MEANS THAT

1399

00:57:23,706 --> 00:57:24,774

COMPANIES CAN PROCEED WITH

1400

00:57:24,841 --> 00:57:26,376

CONFIDENCE THAT WE'RE NOT GOING

1401
00:57:26,442 --> 00:57:27,644
TO SPRING NEW REGULATORY

1402
00:57:27,710 --> 00:57:29,512
REQUIREMENTS ON THEM THAT WILL

1403
00:57:29,579 --> 00:57:29,979
STIFLE GROWTH.

1404
00:57:30,046 --> 00:57:31,581
WE WANT TO CONTRIBUTE TO A

1405
00:57:31,648 --> 00:57:32,415
REGULATORY ENVIRONMENT THAT WILL

1406
00:57:32,482 --> 00:57:33,550
ENHANCE THE DEVELOPMENT OF

1407
00:57:33,616 --> 00:57:34,017
SPACE.

1408
00:57:34,083 --> 00:57:36,553
WITH THE RIGHT FRAMEWORK WE'RE

1409
00:57:36,619 --> 00:57:39,155
CONFIDENT THAT PRIVATE COMPANIES

1410
00:57:39,222 --> 00:57:42,058
CAN UNLEASH CREATIVITY AND

1411
00:57:42,125 --> 00:57:42,659
INGENUITY.

1412
00:57:42,725 --> 00:57:44,894
AND WE CAN ENHANCE.

1413
00:57:44,961 --> 00:57:47,230

GLOBAL LEADERSHIP BY ATTRACTING

1414

00:57:47,297 --> 00:57:50,066

RESEARCH AND DEVELOPMENT FOR

1415

00:57:50,133 --> 00:57:50,500

SPACE.

1416

00:57:50,567 --> 00:57:52,869

WE FACE IMPORTANT QUESTIONS LIKE

1417

00:57:52,936 --> 00:57:54,604

SECURITY, SAFETY, SOVEREIGNTY,

1418

00:57:54,671 --> 00:57:57,607

AND WITH THE WORK OF THE SPACE

1419

00:57:57,674 --> 00:57:59,709

COUNCIL, WE REMAIN COMMITTED TO

1420

00:57:59,776 --> 00:58:01,144

WORKING ACROSS GOVERNMENT TO

1421

00:58:01,211 --> 00:58:02,679

DESIGN REGULATION THAT MEET

1422

00:58:02,745 --> 00:58:04,080

THESE NEEDS WHILE FURTHERING OUR

1423

00:58:04,147 --> 00:58:07,150

JOURNEY TO THE NEXT FRONTIERS OF

1424

00:58:07,217 --> 00:58:07,517

SPACE.

1425

00:58:07,584 --> 00:58:09,853

THANK YOU, MR. VICE PRESIDENT.

1426
00:58:09,919 --> 00:58:10,320
[APPLAUSE]

1427
00:58:10,386 --> 00:58:12,856
>> THANK YOU.

1428
00:58:12,922 --> 00:58:15,391
WELL DONE.

1429
00:58:15,458 --> 00:58:16,826
[APPLAUSE]

1430
00:58:16,893 --> 00:58:18,995
OKAY, THIS--WE'RE APPROACHING

1431
00:58:19,062 --> 00:58:20,797
THE END OF THE FIRST HALF OF OUR

1432
00:58:20,864 --> 00:58:21,264
PRESENTATION.

1433
00:58:21,331 --> 00:58:24,634
BEFORE WE MOVE TO PANELS, I

1434
00:58:24,701 --> 00:58:25,468
RECOMMEND MEMBERS TO YOUR

1435
00:58:25,535 --> 00:58:26,369
PACKETS TODAY.

1436
00:58:26,436 --> 00:58:28,404
YOU HAVE SEVERAL RECOMMENDATIONS

1437
00:58:28,471 --> 00:58:36,246
TO THE PRESIDENT FOR APPROVAL

1438
00:58:36,312 --> 00:58:40,884

RECOMMENDATION ONE, TO REPLACE

1439

00:58:40,950 --> 00:58:43,586

LAUNCHING REGIMES WITH

1440

00:58:43,653 --> 00:58:45,788

STREAMLINED SYSTEMS BY

1441

00:58:45,855 --> 00:58:46,956

MARCH 1, 2019, AND TO COMPLETE

1442

00:58:47,023 --> 00:58:48,091

THAT ON OR BEFORE.

1443

00:58:48,157 --> 00:58:49,225

NUMBER TWO, DIRECT THE

1444

00:58:49,292 --> 00:58:51,995

DEPARTMENT OF COMMERCE TO

1445

00:58:52,061 --> 00:58:53,730

CONSOLIDATE ALL STATE COMMERCE

1446

00:58:53,796 --> 00:58:55,999

RESPONSIBILITIES IN THE OFFICE

1447

00:58:56,065 --> 00:58:59,903

OF THE SECRETARY AS DESCRIBED,

1448

00:58:59,969 --> 00:59:01,838

AND AS ALSO DEVELOP A SYSTEM

1449

00:59:01,905 --> 00:59:05,308

THAT FACILITATES AUTHORIZATION

1450

00:59:05,375 --> 00:59:06,743

FOR COMMERCIAL SPACE ACTIVITIES.

1451
00:59:06,809 --> 00:59:08,044
THERE ARE OTHER RECOMMENDATIONS

1452
00:59:08,111 --> 00:59:10,680
RELATED TO THAT THAT THE

1453
00:59:10,747 --> 00:59:12,649
SECRETARY ENNUMERATED QUITE

1454
00:59:12,715 --> 00:59:13,349
WELL.

1455
00:59:13,416 --> 00:59:17,453
RECOMMENDATION NUMBER THREE

1456
00:59:17,520 --> 00:59:18,221
DIRECTS THE NATIONAL

1457
00:59:18,288 --> 00:59:19,088
TELECOMMUNICATION ADMINISTRATION

1458
00:59:19,155 --> 00:59:21,190
AND COMMERCE TO WORK WITH THE

1459
00:59:21,257 --> 00:59:23,126
FCC TO DEVELOP PROTECTIONS FOR

1460
00:59:23,192 --> 00:59:25,929
THE RADIO FREQUENCY SPECTRUM,

1461
00:59:25,995 --> 00:59:27,563
FACILITATING COMMERCIAL SPACE

1462
00:59:27,630 --> 00:59:30,199
ACTIVITIES, AND RECOMMENDATION

1463
00:59:30,266 --> 00:59:31,134

FOR DIRECTIVES FROM THE

1464

00:59:31,200 --> 00:59:32,235
SECRETARY OF COUNCIL AND

1465

00:59:32,302 --> 00:59:33,369
COORDINATION WITH ALL THE

1466

00:59:33,436 --> 00:59:34,470
MEMBERS OF THE COUNCIL TO

1467

00:59:34,537 --> 00:59:36,940
DEVELOP RECOMMENDATIONS TO

1468

00:59:37,006 --> 00:59:40,710
STREAMLINE, EXPORT AND CONTROL

1469

00:59:40,777 --> 00:59:44,614
REGULATORY REQUIREMENTS BY

1470

00:59:44,681 --> 00:59:45,581
JANUARY 1, 2019, AS THE

1471

00:59:45,648 --> 00:59:46,416
SECRETARY DESCRIBED.

1472

00:59:46,482 --> 00:59:50,520
IF THERE ARE NO OBJECTIONS, OR

1473

00:59:50,586 --> 00:59:52,155
QUESTIONS, SEEING NONE, I WOULD,

1474

00:59:52,221 --> 00:59:54,490
AS CHAIRMAN, DIRECT THE

1475

00:59:54,557 --> 00:59:55,625
EXECUTIVE SECRETARY TO INCLUDE

1476

00:59:55,692 --> 00:59:57,593

THESE RECOMMENDATIONS IN A

1477

00:59:57,660 --> 00:59:58,861

DECISION MEMORANDUM FOR THE

1478

00:59:58,928 --> 01:00:03,800

PRESIDENT OF THE UNITED STATES.

1479

01:00:03,866 --> 01:00:04,767

SECRETARY ROSS AND DEPUTY

1480

01:00:04,834 --> 01:00:06,235

SECRETARY ROSEN, AT OUR MEETING

1481

01:00:06,302 --> 01:00:07,503

LATER THIS YEAR I WOULD LIKE YOU

1482

01:00:07,570 --> 01:00:08,805

TO REPORT TO THE COUNCIL THE

1483

01:00:08,871 --> 01:00:13,076

DETAILS AND PROGRESS THAT WE ARE

1484

01:00:13,142 --> 01:00:16,980

MAKING AGAINST THE PRESIDENT'S

1485

01:00:17,046 --> 01:00:18,514

DECISION AND COMPLETION OF THE

1486

01:00:18,581 --> 01:00:18,982

DECISION.

1487

01:00:19,048 --> 01:00:19,549

THE MEMORANDUM.

1488

01:00:19,615 --> 01:00:21,751

WILL YOU JOIN US IN DIRECTING

1489

01:00:21,818 --> 01:00:24,520

THE TERRIFIC LEADERS FOR THE JOB

1490

01:00:24,587 --> 01:00:25,955

THEY'VE DONE IN THIS WORK.

1491

01:00:26,022 --> 01:00:29,225

[APPLAUSE]

1492

01:00:29,292 --> 01:00:30,994

WELL, BEFORE WE CALL OUR PANEL

1493

01:00:31,060 --> 01:00:35,198

UP, WE'LL MOVE TO OUR FIRST

1494

01:00:35,264 --> 01:00:37,567

ENTITLED "SECURING THE FIRST

1495

01:00:37,633 --> 01:00:41,004

FRONTIER" FOCUSING ON NATIONAL

1496

01:00:41,070 --> 01:00:41,704

SECURITY.

1497

01:00:41,771 --> 01:00:43,172

AND I'M PARTICULARLY

1498

01:00:43,239 --> 01:00:45,742

PLEASED TO HAVE A NUMBER OF

1499

01:00:45,808 --> 01:00:46,709

DISTINGUISHED AMERICANS WHO WILL

1500

01:00:46,776 --> 01:00:48,044

BE PRESENTING, AND I'LL

1501
01:00:48,111 --> 01:00:49,612
INTRODUCE THEM MOMENTARILY, BUT

1502
01:00:49,679 --> 01:00:51,147
THEY'RE INVITED TO TAKE THEIR

1503
01:00:51,214 --> 01:00:51,447
SEATS.

1504
01:00:51,514 --> 01:00:53,383
BEFORE WE HEAR FROM OUR

1505
01:00:53,449 --> 01:00:56,352
PANELISTS, I WOULD LIKE TO ASK

1506
01:00:56,419 --> 01:01:00,423
SUSAN GORDON, WHO I HAVE--AND

1507
01:01:00,490 --> 01:01:02,592
THE PRESIDENT--HAVE COME TO KNOW

1508
01:01:02,658 --> 01:01:06,729
AND GREATLY RESPECT.

1509
01:01:06,796 --> 01:01:09,932
THE SUSAN, MAYBE YOU CAN GIVE US

1510
01:01:09,999 --> 01:01:12,568
A BRIEF OVERVIEW OF THE SECURITY

1511
01:01:12,635 --> 01:01:13,770
CHALLENGES THAT THE UNITED

1512
01:01:13,836 --> 01:01:16,606
STATES FACES IN THE SPACE

1513
01:01:16,672 --> 01:01:18,274

ENVIRONMENT TODAY.

1514

01:01:18,341 --> 01:01:20,410

>> WELL, THANK YOU, MR. VICE

1515

01:01:20,476 --> 01:01:21,344

PRESIDENT, I'M DELIGHTED TO BE

1516

01:01:21,411 --> 01:01:22,678

HERE REPRESENTING THE WOMEN AND

1517

01:01:22,745 --> 01:01:24,113

MEN OF THE INTELLIGENCE

1518

01:01:24,180 --> 01:01:24,547

COMMUNITY.

1519

01:01:24,614 --> 01:01:27,850

YOU KNOW, WE ARE DRIVERS AND

1520

01:01:27,917 --> 01:01:30,920

PRACTITIONERS AND USERS OF THE

1521

01:01:30,987 --> 01:01:34,357

U.S. SPACE.

1522

01:01:34,424 --> 01:01:36,526

IN FACT, OUR HISTORY AND SPACE

1523

01:01:36,592 --> 01:01:38,594

HISTORY ARE INEXTRICABLY BOUND,

1524

01:01:38,661 --> 01:01:40,129

AND WE SEE THE SAME EXCITEMENT

1525

01:01:40,196 --> 01:01:42,698

THAT YOU ARTICULATED IN YOUR

1526
01:01:42,765 --> 01:01:47,437
REMARKS IN THIS MOMENT AS YOU

1527
01:01:47,503 --> 01:01:51,240
HAVE GROWN ACCUSTOMED, MR. VICE

1528
01:01:51,307 --> 01:01:53,176
PRESIDENT, I OFTEN BRING THE

1529
01:01:53,242 --> 01:01:54,644
SOBERING INFORMATION TO ANY

1530
01:01:54,710 --> 01:01:56,179
MEETING, AND SO TODAY WHAT I

1531
01:01:56,245 --> 01:01:58,614
THOUGHT I WOULD DO IS SPEND A

1532
01:01:58,681 --> 01:02:00,683
FEW MINUTES TO EXPLAIN THE PLANS

1533
01:02:00,750 --> 01:02:05,588
AND ACTIONS OF COMPETITORS WHO

1534
01:02:05,655 --> 01:02:07,123
WOULD IMPEDE OUR OPERATIONS OR

1535
01:02:07,190 --> 01:02:09,759
CHALLENGE OUR ADVANTAGE.

1536
01:02:09,826 --> 01:02:12,795
RUSSIA AND CHINA HAVE REACHED

1537
01:02:12,862 --> 01:02:14,464
COUNTER SPACE CAPABILITIES TO

1538
01:02:14,530 --> 01:02:18,334

BRING CONFLICT TO THE UNITED

1539

01:02:18,401 --> 01:02:21,437

STATES, TO ERODE OUR INFORMATION

1540

01:02:21,504 --> 01:02:21,871

ADVANTAGE.

1541

01:02:21,938 --> 01:02:23,906

BOTH COUNTRIES HAVE ROBUST

1542

01:02:23,973 --> 01:02:25,741

JAMMING CYBERATTACK CAPABILITIES

1543

01:02:25,808 --> 01:02:28,311

TODAY AND CAN THREATEN OUR

1544

01:02:28,377 --> 01:02:29,679

SATELLITE GROUND INFRASTRUCTURE.

1545

01:02:29,745 --> 01:02:32,782

RUSSIA AND CHINA'S DESTRUCT T.V.

1546

01:02:32,849 --> 01:02:35,852

SATELLITE WEAPONS INCLUDING

1547

01:02:35,918 --> 01:02:48,331

MISSILES, LASERS AND ORBITAL

1548

01:02:48,397 --> 01:02:51,167

MISSILES, RUSSIA'S ABILITY TO

1549

01:02:51,234 --> 01:02:51,968

STRIKE LOWER SATELLITES, AND

1550

01:02:52,034 --> 01:02:54,570

RUSSIA IS TESTING SUCH A WEAPON.

1551
01:02:54,637 --> 01:02:56,706
BOTH RUSSIA AND CHINA ARE

1552
01:02:56,772 --> 01:03:03,646
DEVELOPING WEAPONS TO DAMAGE

1553
01:03:03,713 --> 01:03:10,052
SPACE OPTICAL SENSORS, AND ARE

1554
01:03:10,119 --> 01:03:23,032
CREATING RENDEZVOUS ORBITAL

1555
01:03:23,099 --> 01:03:32,308
WEAPONS.

1556
01:03:32,375 --> 01:03:38,581
CHINA'S ARMY HAS PERFORMED

1557
01:03:38,648 --> 01:03:42,318
COUNTER SPACE UNIT INCLUDING

1558
01:03:42,385 --> 01:03:43,419
GROUND LAUNCH SATELLITE MISSILE

1559
01:03:43,486 --> 01:03:46,522
INITIALLY TESTED IN 2007.

1560
01:03:46,589 --> 01:03:48,357
NOW THE STATE THREATS INCLUDE

1561
01:03:48,424 --> 01:03:50,660
THE USE OF SPACE TO ENABLE AND

1562
01:03:50,726 --> 01:03:52,261
EMPOWER MILITARY OPERATIONS ON

1563
01:03:52,328 --> 01:03:55,097

THE EARTH'S SURFACE.

1564

01:03:55,164 --> 01:03:56,399

FOREIGN COUNTRIES WILL CONTINUE

1565

01:03:56,465 --> 01:03:58,034

TO IMPROVE THEIR MILITARY AND

1566

01:03:58,100 --> 01:04:01,971

THEIR USE OF RECONNAISSANCE,

1567

01:04:02,038 --> 01:04:03,806

NAVIGATION SYSTEMS IN TERMS OF

1568

01:04:03,873 --> 01:04:05,641

NUMBER OF SATELLITES, THE

1569

01:04:05,708 --> 01:04:07,510

BREADTH OF THEIR CAPABILITY AND

1570

01:04:07,577 --> 01:04:08,744

APPLICATION FOREVER USE.

1571

01:04:08,811 --> 01:04:09,879

OTHER NATION-STATE AND NON-STATE

1572

01:04:09,946 --> 01:04:12,982

ACTORS WILL GAIN ACCESS TO

1573

01:04:13,049 --> 01:04:14,417

ADVANCED SPACE AND ENABLED

1574

01:04:14,483 --> 01:04:16,819

TECHNOLOGY IN THE COMING YEARS

1575

01:04:16,886 --> 01:04:19,455

AS THE GLOBAL SPACE INDUSTRY

1576

01:04:19,522 --> 01:04:19,789

EXPANDS.

1577

01:04:19,855 --> 01:04:21,657

THEY'LL INCREASINGLY HAVE ACCESS

1578

01:04:21,724 --> 01:04:22,925

TO WEATHER, COMMUNICATION,

1579

01:04:22,992 --> 01:04:26,262

TIMING DATA FOR INTELLIGENCE AND

1580

01:04:26,329 --> 01:04:27,096

MILITARY PURPOSES.

1581

01:04:27,163 --> 01:04:28,864

THE PANEL WILL DO A GREAT JOB OF

1582

01:04:28,931 --> 01:04:31,167

MAKING MY NEXT POINT BUT I'LL

1583

01:04:31,234 --> 01:04:32,501

BRIEFLY STATE THAT I WOULD LIKE

1584

01:04:32,568 --> 01:04:35,271

TO CALL THE ATTENTION TO CHINA'S

1585

01:04:35,338 --> 01:04:36,138

IMPRESSIVE RISE.

1586

01:04:36,205 --> 01:04:38,975

IT IS IMPRESSIVE, AS A SPACE

1587

01:04:39,041 --> 01:04:39,408

POWER.

1588

01:04:39,475 --> 01:04:41,077

THEY'VE INCREASED THE NUMBER OF

1589

01:04:41,143 --> 01:04:42,979

ACTIVE SATELLITES BY AN ORDER OF

1590

01:04:43,045 --> 01:04:44,947

MAGNITUDE SINCE 2000, AND A

1591

01:04:45,014 --> 01:04:47,149

RESULT OF BEIJING'S STRONG

1592

01:04:47,216 --> 01:04:49,952

INVESTMENT IN ITS SATELLITE AND

1593

01:04:50,019 --> 01:04:52,722

ROCKET MANUFACTURING CAPABILITY.

1594

01:04:52,788 --> 01:04:54,357

CHINA'S SATELLITE TECHNOLOGY HAS

1595

01:04:54,423 --> 01:04:56,425

BECOME INCREASINGLY

1596

01:04:56,492 --> 01:04:57,026

SOPHISTICATED.

1597

01:04:57,093 --> 01:04:58,527

CASE IN POINT THE SUCCESS THAT

1598

01:04:58,594 --> 01:05:01,030

CHINA HAS HAD IN ACHIEVING

1599

01:05:01,097 --> 01:05:05,434

WORLD-LEADING GROUND-TO-SPACE

1600

01:05:05,501 --> 01:05:07,403

QUANTUM EXPERIMENTS.

1601
01:05:07,470 --> 01:05:08,537
IN SUM, CHINA HAS THE BEST

1602
01:05:08,604 --> 01:05:11,641
POLITICALLY SUPPORTED AND BEST

1603
01:05:11,707 --> 01:05:12,842
RESOURCE FOREIGN SPACE PROGRAM

1604
01:05:12,908 --> 01:05:15,211
THAT WE'VE SEEN IN MANY YEARS,

1605
01:05:15,278 --> 01:05:16,779
AND IT'S YEARS OF INTENSE

1606
01:05:16,846 --> 01:05:18,881
ACTIVITY ARE BEGINNING TO BEAR

1607
01:05:18,948 --> 01:05:19,215
FRUIT.

1608
01:05:19,282 --> 01:05:22,285
I THINK THE PANEL IS PERFECTLY

1609
01:05:22,351 --> 01:05:23,953
PLACED TO HELP US PUT ALL OF

1610
01:05:24,020 --> 01:05:25,187
THIS IN CONTEXT.

1611
01:05:25,254 --> 01:05:28,424
THANK YOU, MR. VICE PRESIDENT.

1612
01:05:28,491 --> 01:05:28,958
>> GREAT.

1613
01:05:29,025 --> 01:05:30,226

THANK YOU, SUSAN.

1614

01:05:30,293 --> 01:05:30,793

[APPLAUSE]

1615

01:05:30,860 --> 01:05:35,331

VERY INSIGHTFUL.

1616

01:05:35,398 --> 01:05:35,865

[APPLAUSE]

1617

01:05:35,931 --> 01:05:37,333

SUE IS A GREAT AMERICAN, AND

1618

01:05:37,400 --> 01:05:40,670

THANK YOU FOR THAT CANDID AND

1619

01:05:40,736 --> 01:05:41,337

BRACING OVERVIEW.

1620

01:05:41,404 --> 01:05:43,739

WITH THAT WE'LL TURN TO OUR

1621

01:05:43,806 --> 01:05:44,273

PANELISTS.

1622

01:05:44,340 --> 01:05:45,408

LET ME INTRODUCE ALL OF THEM,

1623

01:05:45,474 --> 01:05:48,844

AND THEN INVITE YOU TO WELCOME

1624

01:05:48,911 --> 01:05:50,012

THEM.

1625

01:05:50,079 --> 01:05:50,813

MR. DEAN CHANGE WITH THE

1626
01:05:50,880 --> 01:05:53,983
HERITAGE FOUNDATION.

1627
01:05:54,050 --> 01:05:56,485
THE PRESIDENT CEO OF THE NANEX

1628
01:05:56,552 --> 01:05:57,086
CORPORATION.

1629
01:05:57,153 --> 01:06:02,525
AND OUR THIRD PANEL IS FROM THE

1630
01:06:02,591 --> 01:06:03,726
INSTITUTE OF DEFENSE DEVELOPMENT

1631
01:06:03,793 --> 01:06:05,761
AND TECHNOLOGY POLICY INSTITUTE.

1632
01:06:05,828 --> 01:06:08,230
JOIN ME IN WELCOMING ALL OF OUR

1633
01:06:08,297 --> 01:06:08,664
PANELISTS.

1634
01:06:08,731 --> 01:06:13,035
THANK YOU ALL.

1635
01:06:13,102 --> 01:06:14,170
[APPLAUSE]

1636
01:06:14,236 --> 01:06:17,840
I WOULD LIKE TO INVITE TO BRING

1637
01:06:17,907 --> 01:06:19,809
A FEW BRIEF REMARKS, BUT OF

1638
01:06:19,875 --> 01:06:22,411

COURSE ALL YOUR PREPARED REMARKS

1639

01:06:22,478 --> 01:06:23,679

WILL BE SUBMITTED FOR THE PUBLIC

1640

01:06:23,746 --> 01:06:25,147

RECORD, AND WE'LL LOOK FORWARD

1641

01:06:25,214 --> 01:06:28,117

TO BRIEFLY GIVING OUR COUNCIL

1642

01:06:28,184 --> 01:06:29,352

MEMBERS AN OPPORTUNITY TO ASK

1643

01:06:29,418 --> 01:06:29,852

QUESTIONS.

1644

01:06:29,919 --> 01:06:34,223

THANK YOU ALL FOR BEING HERE.

1645

01:06:34,290 --> 01:06:36,959

>> GOOD MORNING, MR. VICE

1646

01:06:37,026 --> 01:06:40,296

PRESIDENT, MEMBERS OF THE SPACE

1647

01:06:40,363 --> 01:06:41,864

COUNCIL, THE VIEWS EXPRESSED IN

1648

01:06:41,931 --> 01:06:43,966

THIS TESTIMONY ARE MY OWN AS

1649

01:06:44,033 --> 01:06:45,935

SHOULD NOT BE VIEWED AS

1650

01:06:46,001 --> 01:06:47,436

REFLECTIVE OF THE HERITAGE

1651
01:06:47,503 --> 01:06:47,937
FOUNDATION.

1652
01:06:48,003 --> 01:06:49,472
DURING THE WORLD WAR THERE WERE

1653
01:06:49,538 --> 01:06:51,006
ONLY TWO MAJOR POWERS, THE

1654
01:06:51,073 --> 01:06:53,542
UNITED STATES AND THE SOVIET

1655
01:06:53,609 --> 01:06:53,976
UNION.

1656
01:06:54,043 --> 01:06:55,578
LIKE SO MUCH OF INTERNATIONAL

1657
01:06:55,644 --> 01:06:58,814
SECURITY THE POST COLD WAR WORLD

1658
01:06:58,881 --> 01:07:00,416
IS MUCH MORE COMPLEX, THERE ARE

1659
01:07:00,483 --> 01:07:03,319
MORE SPACE PLAYERS AND INCLUDING

1660
01:07:03,386 --> 01:07:06,322
A GROWING NUMBER OF NON-STATE

1661
01:07:06,389 --> 01:07:08,524
AND COMMERCIAL ACTORS.

1662
01:07:08,591 --> 01:07:09,392
AMERICA'S DEPENDENCE ON SPACE

1663
01:07:09,458 --> 01:07:12,995

HAS BROADENED.

1664

01:07:13,062 --> 01:07:14,397

FINANCIAL INSTITUTIONS FARMERS

1665

01:07:14,463 --> 01:07:19,168

AND AMAZON ALL INCREASINGLY

1666

01:07:19,235 --> 01:07:20,169

DEPEND ON SPACE SYSTEMS FOR

1667

01:07:20,236 --> 01:07:23,139

DAY-TO-DAY OPERATIONS.

1668

01:07:23,205 --> 01:07:26,342

GIVEN THIS DEPENDENCE, SECURITY

1669

01:07:26,409 --> 01:07:27,109

POWERS AND COMPETITORS WILL

1670

01:07:27,176 --> 01:07:29,678

TARGET THE SPACE SYSTEMS AS A

1671

01:07:29,745 --> 01:07:32,915

MEANS TO COUNTER AMERICAN

1672

01:07:32,982 --> 01:07:34,984

ECONOMIC AND MILITARY

1673

01:07:35,050 --> 01:07:35,818

CAPABILITY.

1674

01:07:35,885 --> 01:07:37,887

IT IS REFLECTED IN THE GROWING

1675

01:07:37,953 --> 01:07:39,221

CHALLENGE POSSESSIONED BY OTHER

1676
01:07:39,288 --> 01:07:41,357
SPACE POWERS AND ESPECIALLY THE

1677
01:07:41,424 --> 01:07:43,993
PEOPLE'S REPUBLIC OF CHINA.

1678
01:07:44,059 --> 01:07:46,228
THEY PURSUED A SET OF SPACE

1679
01:07:46,295 --> 01:07:48,397
POLICIES THAT DO NOT PARALLEL

1680
01:07:48,464 --> 01:07:49,999
AMERICAN OR SOVIET ONES AND IT

1681
01:07:50,065 --> 01:07:52,168
IS EXPLOITING NOT ONLY NEW

1682
01:07:52,234 --> 01:07:54,170
TECHNOLOGIES TO EXPAND ITS SPACE

1683
01:07:54,236 --> 01:07:57,039
CAPABILITIES, BUT ALSO

1684
01:07:57,106 --> 01:07:58,474
UNDERTAKING NEW ORGANIZATIONAL

1685
01:07:58,541 --> 01:08:00,443
APPROACHES AND INNOVATIONS.

1686
01:08:00,509 --> 01:08:02,278
SOME OF THE KEY CHARACTERISTICS

1687
01:08:02,344 --> 01:08:04,213
OF THE SPACE CHALLENGE INCLUDE

1688
01:08:04,280 --> 01:08:06,315

THAT CHINA IS FUNDAMENTALLY A

1689

01:08:06,382 --> 01:08:08,451

MAJOR SPACE POWER.

1690

01:08:08,517 --> 01:08:09,985

CHINA POSSESSES ALL OF THE KEY

1691

01:08:10,052 --> 01:08:12,188

ELEMENTS REQUIRED FOR SUPPORTING

1692

01:08:12,254 --> 01:08:13,522

A MAJOR SPACE PRESENCE AND IT

1693

01:08:13,589 --> 01:08:16,959

HAS THE POLITICAL WILL TO

1694

01:08:17,026 --> 01:08:20,663

SUPPORT AND SUSTAIN NATIONAL

1695

01:08:20,729 --> 01:08:23,098

COMMITMENTS TO SPACE.

1696

01:08:23,165 --> 01:08:25,334

THEY'RE ABLE TO TRANSLATE THOSE

1697

01:08:25,401 --> 01:08:27,837

DESIRES IN TODAY'S ARRAY OF

1698

01:08:27,903 --> 01:08:28,737

SATELLITES, BOOSTERS AND LAUNCH

1699

01:08:28,804 --> 01:08:30,005

SITES AND IT IS IMPORTANT TO

1700

01:08:30,072 --> 01:08:31,774

NOTE THAT THOSE SYSTEMS ARE

1701
01:08:31,841 --> 01:08:34,109
LARGELY INDIGENOUSLY DESIGNED

1702
01:08:34,176 --> 01:08:35,377
AND CONSTRUCTED.

1703
01:08:35,444 --> 01:08:39,114
CHINA MAY ENGAGE IN ALL SORTS OF

1704
01:08:39,181 --> 01:08:41,150
INDUSTRIAL ESPIONAGE, BUT MUCH

1705
01:08:41,217 --> 01:08:43,886
OF ITS SPACE PROGRAM IS

1706
01:08:43,953 --> 01:08:45,187
INDIGENOUS AND HOMEGROWN.

1707
01:08:45,254 --> 01:08:46,622
CHINA'S SPACE PROGRAM HAS A

1708
01:08:46,689 --> 01:08:47,790
HEAVY MILITARY COMPONENT.

1709
01:08:47,857 --> 01:08:49,325
THE REALITY IS WHEN WE INTERACT

1710
01:08:49,391 --> 01:08:51,694
WITH CHINA'S SPACE PROGRAM WE'RE

1711
01:08:51,760 --> 01:08:53,095
INTERACTING WITH CHINA'S

1712
01:08:53,162 --> 01:08:53,629
MILITARY.

1713
01:08:53,696 --> 01:08:55,130

CHINA'S SPACE FACILITIES,

1714

01:08:55,197 --> 01:08:56,899

PERSONNEL AND PROGRAMS ARE

1715

01:08:56,966 --> 01:08:58,534

LARGELY DRAWN FROM THAT

1716

01:08:58,601 --> 01:08:59,034

MILITARY.

1717

01:08:59,101 --> 01:09:03,572

IT'S FACILITIES ARE PLA BASES.

1718

01:09:03,639 --> 01:09:06,141

IT'S STAFF ARE PLA PERSONNEL,

1719

01:09:06,208 --> 01:09:08,110

AND THEIR SPACE AND ENGINEERING

1720

01:09:08,177 --> 01:09:09,445

OFFICE ARE DRAWN FROM THE

1721

01:09:09,512 --> 01:09:09,979

MILITARY.

1722

01:09:10,045 --> 01:09:11,347

CHINA'S SPACE PROGRAM, HOWEVER,

1723

01:09:11,413 --> 01:09:15,050

ALSO REFLECTS IT'S APPROACH OF

1724

01:09:15,117 --> 01:09:17,319

DUAL USE AS MILITARY

1725

01:09:17,386 --> 01:09:17,786

INTEGRATION.

1726

01:09:17,853 --> 01:09:19,655

IT'S SPACE AND INDUSTRIAL

1727

01:09:19,722 --> 01:09:23,392

COMPLEX IS NOT SO MUCH AN

1728

01:09:23,459 --> 01:09:26,395

REVOLVING DOOR BUT AN ATRIUM OF

1729

01:09:26,462 --> 01:09:28,831

THESE STATE-OWNED ENTERPRISES

1730

01:09:28,898 --> 01:09:33,335

AND IT'S RESULT IS FAR CLOSE FOR

1731

01:09:33,402 --> 01:09:34,470

SINGLE ENTERPRISE WITH

1732

01:09:34,537 --> 01:09:36,038

RELATIVELY FEW DEMARCATIONS

1733

01:09:36,105 --> 01:09:37,773

BETWEEN MILITARY AND CIVILIANS.

1734

01:09:37,840 --> 01:09:41,911

THIS WILL LIKELY APPLY TO THE

1735

01:09:41,977 --> 01:09:44,613

EMERGING SET OF SPACE AGENCY AS

1736

01:09:44,680 --> 01:09:45,314

WELL.

1737

01:09:45,381 --> 01:09:46,849

THEY'RE DEVELOPING NEW

1738

01:09:46,916 --> 01:09:47,750

SEPARATION COMPANIES THAT RANGE

1739

01:09:47,816 --> 01:09:49,418
FROM THOSE SUPPORTED BY

1740

01:09:49,485 --> 01:09:52,087
STATE-OWNED ENTERPRISES TO THOSE

1741

01:09:52,154 --> 01:09:53,455
MORE INDEPENDENT PRIVATE FIRMS.

1742

01:09:53,522 --> 01:09:58,227
BUT THE INTEREST OF MELDING

1743

01:09:58,294 --> 01:09:59,662
CIVILIAN AND MILITARY CAPACITY,

1744

01:09:59,728 --> 01:10:03,699
IT IS VITAL TO RECOGNIZE THAT

1745

01:10:03,766 --> 01:10:04,733
THESE PRIVATE FIRMS AT THE END

1746

01:10:04,800 --> 01:10:17,880
OF THE DAY WILL RESPOND

1747

01:10:17,947 --> 01:10:18,480
ELACRITY.

1748

01:10:18,547 --> 01:10:20,649
WITH ITS SPACE AS A PRIORITY

1749

01:10:20,716 --> 01:10:21,617
DOMAIN, OTHER STATES WILL NOT

1750

01:10:21,684 --> 01:10:23,519
ONLY SEEK TO DO THE SAME FOR

1751
01:10:23,586 --> 01:10:24,920
THEMSELVES, BUT SOME ARE ALSO

1752
01:10:24,987 --> 01:10:28,157
VERY LIKELY TO STRIVE TO DENY

1753
01:10:28,223 --> 01:10:29,825
SPACE TO THE UNITED STATES IN

1754
01:10:29,892 --> 01:10:31,527
TIME OF CRISIS AND CERTAINLY IN

1755
01:10:31,594 --> 01:10:32,261
TIME OF WAR.

1756
01:10:32,328 --> 01:10:34,930
THESE EFFORTS WILL LIKELY

1757
01:10:34,997 --> 01:10:35,931
ENCOMPASS NOT ONLY DIRECT

1758
01:10:35,998 --> 01:10:37,333
MILITARY ACTION BUT EFFORTS AT

1759
01:10:37,399 --> 01:10:39,702
ESTABLISHING A HIGHLY

1760
01:10:39,768 --> 01:10:41,036
COMPETITIVE SPACE INDUSTRIAL

1761
01:10:41,103 --> 01:10:43,105
BASE SUPPORTING SPACE ORIENTED

1762
01:10:43,172 --> 01:10:47,543
TECHNOLOGIES, PRODUCTION, AND

1763
01:10:47,610 --> 01:10:49,378

ORGANIZATIONAL EFFORTS TO ACCESS

1764

01:10:49,445 --> 01:10:51,113

AMERICAN TECHNOLOGIES WHILE

1765

01:10:51,180 --> 01:10:52,281

DENYING THE UNITED STATES THE

1766

01:10:52,348 --> 01:10:52,815

SAME.

1767

01:10:52,881 --> 01:10:53,983

THANK YOU FOR THE OPPORTUNITY TO

1768

01:10:54,049 --> 01:10:55,851

TESTIFY BEFORE YOU THIS MORNING.

1769

01:10:55,918 --> 01:10:56,418

>> THANK YOU.

1770

01:10:56,485 --> 01:11:02,825

[APPLAUSE]

1771

01:11:02,891 --> 01:11:05,060

>> THANK YOU FOR BEING HERE.

1772

01:11:05,127 --> 01:11:06,595

>> THANK YOU, MR. VICE

1773

01:11:06,662 --> 01:11:07,630

PRESIDENT.

1774

01:11:07,696 --> 01:11:11,967

FOR 30 YEARS--GOOD MORNING,

1775

01:11:12,034 --> 01:11:13,402

EVERYBODY--FOR 30 YEARS I'VE

1776

01:11:13,469 --> 01:11:14,703

WORKED TO MAKE SPACE ANOTHER

1777

01:11:14,770 --> 01:11:15,838

PLACE TO DO BUSINESS.

1778

01:11:15,904 --> 01:11:19,475

MY INSPIRATION IN LARGE PART

1779

01:11:19,541 --> 01:11:23,612

DERIVES HAVING WORKED UNDER

1780

01:11:23,679 --> 01:11:25,748

RONALD REAGAN'S ORGANIZATION

1781

01:11:25,814 --> 01:11:26,682

SPACE CON MEASURES.

1782

01:11:26,749 --> 01:11:27,349

IT'S GOOD TO BE HERE.

1783

01:11:27,416 --> 01:11:29,151

I STARTED MY COMPANY EIGHT YEARS

1784

01:11:29,218 --> 01:11:29,518

AGO.

1785

01:11:29,585 --> 01:11:31,286

WE WERE THE FIRST COMPANY TO OWN

1786

01:11:31,353 --> 01:11:32,888

AND MARKET OUR OWN RESEARCH

1787

01:11:32,955 --> 01:11:34,857

SERVICES ON BOARD THE SPACE

1788

01:11:34,923 --> 01:11:35,257

STATION.

1789

01:11:35,324 --> 01:11:37,693

WE WERE THE FIRST TO

1790

01:11:37,760 --> 01:11:39,228

COMMERCIALLY DEPLOY SMALL

1791

01:11:39,294 --> 01:11:40,262

SATELLITES FROM THE SPACE

1792

01:11:40,329 --> 01:11:40,696

STATION.

1793

01:11:40,763 --> 01:11:43,866

AS OF TODAY WE HAVE LAUNCHED

1794

01:11:43,932 --> 01:11:45,901

OVER 600 PAYLOADS FROM CUSTOMERS

1795

01:11:45,968 --> 01:11:47,903

IN OVER 30 COUNTRIES.

1796

01:11:47,970 --> 01:11:49,271

OUR COMMERCIAL CUSTOMERS RANGE

1797

01:11:49,338 --> 01:11:52,207

FROM THE U.S. GOVERNMENT TO HIGH

1798

01:11:52,274 --> 01:11:55,377

SCHOOLS, THE U.S. GOVERNMENT IS

1799

01:11:55,444 --> 01:11:57,046

A COMMERCIAL CUSTOMER, SO, TOO,

1800

01:11:57,112 --> 01:12:03,152

THE HIGH SCHOOLS SOME OF WHOM DO

1801
01:12:03,218 --> 01:12:03,986
BAKE SALES TO SUPPORT THE

1802
01:12:04,053 --> 01:12:04,453
PAYLOADS.

1803
01:12:04,520 --> 01:12:09,091
WE'VE LAUNCHED FOUR HIGH SCHOOL

1804
01:12:09,158 --> 01:12:12,961
EXPERIMENTS FROM GROUND POINTE

1805
01:12:13,028 --> 01:12:13,829
IN INDIANA.

1806
01:12:13,896 --> 01:12:15,497
FIRST, KUDOS TO THE

1807
01:12:15,564 --> 01:12:16,932
ADMINISTRATION AND COUNCIL FOR

1808
01:12:16,999 --> 01:12:18,300
BEGINNING THE DEBATE TODAY ON

1809
01:12:18,367 --> 01:12:20,602
THE TRANSITION FROM THE ISS FROM

1810
01:12:20,669 --> 01:12:22,671
A GOVERNMENT-OWNED FACILITY, TO

1811
01:12:22,738 --> 01:12:25,074
AN ERA OF PRIVATE SPACE

1812
01:12:25,140 --> 01:12:25,641
STATIONS.

1813
01:12:25,708 --> 01:12:27,309

THE DEBATE MAY HAVE BEEN SKEWED

1814

01:12:27,376 --> 01:12:30,279

A BIT IN THE HEADLINES, BUT I

1815

01:12:30,345 --> 01:12:32,081

BELIEVE YOU'RE RAISING THE

1816

01:12:32,147 --> 01:12:33,215

DIRECT QUESTIONS.

1817

01:12:33,282 --> 01:12:41,090

HOW CAN NASA MOST EFFECTIVELY

1818

01:12:41,156 --> 01:12:42,558

LEVERAGE THE TAXPAYER INVESTMENT

1819

01:12:42,624 --> 01:12:44,993

IN ISS?

1820

01:12:45,060 --> 01:12:47,029

CAN COMMERCIAL INDUSTRY SAFELY

1821

01:12:47,096 --> 01:12:49,231

AND COST EFFECTIVELY OPERATE THE

1822

01:12:49,298 --> 01:12:52,668

ISS AND OTHER COMMERCIAL

1823

01:12:52,735 --> 01:12:53,168

PLATFORMS?

1824

01:12:53,235 --> 01:12:54,336

AND WE UNDERSTAND THAT IT'S NOT

1825

01:12:54,403 --> 01:12:56,205

BLACK AND WHITE, BUT IT IS AN

1826

01:12:56,271 --> 01:12:58,440

END TO ACCEPTING THAT THE

1827

01:12:58,507 --> 01:13:00,843

GOVERNMENT SUPPORT OF ISS IS THE

1828

01:13:00,909 --> 01:13:02,511

ONLY PATHWAY AND HOW WILL THE

1829

01:13:02,578 --> 01:13:04,313

GOVERNMENT IN THE FUTURE BEHAVE

1830

01:13:04,379 --> 01:13:05,914

MORE AND MORE AS A TENANT JUST

1831

01:13:05,981 --> 01:13:08,217

THE WAY IT IS IN EVERY OTHER

1832

01:13:08,283 --> 01:13:08,884

MARKETPLACE.

1833

01:13:08,951 --> 01:13:10,886

WE'RE VERY EXCITED BY THIS.

1834

01:13:10,953 --> 01:13:14,490

FINALLY, AS I LOOK OVERSEAS,

1835

01:13:14,556 --> 01:13:15,891

IT'S MY OPINION AS A

1836

01:13:15,958 --> 01:13:17,459

BUSINESSMAN, AS A SPACE

1837

01:13:17,526 --> 01:13:18,894

BUSINESSMAN, THAT THE UNITED

1838

01:13:18,961 --> 01:13:21,597

STATES CANNOT SIMPLY IGNORE

1839

01:13:21,663 --> 01:13:24,633

CHINA'S COMMERCIAL SPACE

1840

01:13:26,435 --> 01:13:25,134

AMBITIONS.

1841

01:13:26,502 --> 01:13:29,605

CHINA IS QUIETLY DEVELOPING A

1842

01:13:29,671 --> 01:13:30,639

ROBUST COMMERCIAL SPACE

1843

01:13:30,706 --> 01:13:31,073

INDUSTRY.

1844

01:13:31,140 --> 01:13:34,143

I SAY QUIETLY BECAUSE AMERICANS

1845

01:13:34,209 --> 01:13:35,611

ARE BARRED BY OUR OWN

1846

01:13:35,677 --> 01:13:39,815

REGULATIONS AND OUR OWN MINDSETS

1847

01:13:39,882 --> 01:13:43,218

FROM PARTICIPATION IN THIS

1848

01:13:43,285 --> 01:13:44,052

MARKETPLACE.

1849

01:13:44,119 --> 01:13:50,292

AS WE JUST HEARD, LARGE CHINESE

1850

01:13:50,359 --> 01:13:52,661

COMPANIES ARE RAISING

1851
01:13:52,728 --> 01:13:53,929
ENTREPRENEUR EFFORTS.

1852
01:13:53,996 --> 01:13:55,731
WHILE ON THE GOVERNMENTAL LEVEL

1853
01:13:55,798 --> 01:13:58,901
OUR ALLIES HAVE NOTICED THE

1854
01:13:58,967 --> 01:14:03,572
EUROPEAN SPACE AGENCY HAS

1855
01:14:03,639 --> 01:14:13,582
ASTRONAUTS PLANNING TO VISIT THE

1856
01:14:13,649 --> 01:14:21,790
CHINESE SPACE.

1857
01:14:21,857 --> 01:14:23,692
IT'S NOT THE AMERICAN GLOBAL

1858
01:14:23,759 --> 01:14:25,928
LEADERSHIP THAT WE ALL STRIVE TO

1859
01:14:25,994 --> 01:14:26,428
ACHIEVE.

1860
01:14:26,495 --> 01:14:30,465
NOW, WHILE MY TIME TODAY IS

1861
01:14:30,532 --> 01:14:33,202
BRIEF, I URGE US TO NEGOTIATE A

1862
01:14:33,268 --> 01:14:34,269
STERN BUT FAIR AGREEMENT WITH

1863
01:14:34,336 --> 01:14:35,904

CHINA, AND ALLOW U.S. BUSINESSES

1864

01:14:35,971 --> 01:14:37,406

TO DO WHAT WE DO BUSINESS, AND

1865

01:14:37,472 --> 01:14:39,775

THAT IS TO INNOVATE AND COMPETE

1866

01:14:39,842 --> 01:14:41,977

BETTER THAN ANYONE ELSE.

1867

01:14:42,044 --> 01:14:43,278

MR. VICE PRESIDENT, AND MEMBERS

1868

01:14:43,345 --> 01:14:45,747

OF THE COUNCIL, I'M THRILLED

1869

01:14:45,814 --> 01:14:47,182

THAT THE ADMINISTRATION IS

1870

01:14:47,249 --> 01:14:49,151

FOCUSING ON COMMERCIAL SPACE AS

1871

01:14:49,218 --> 01:14:51,186

PART OF AMERICA'S LEADERSHIP IN

1872

01:14:51,253 --> 01:14:54,256

SPACE EXPLORATION.

1873

01:14:54,323 --> 01:14:56,525

THROUGH THE AMERICAN STYLE

1874

01:14:56,592 --> 01:14:58,393

COMMERCIAL PATHWAY I'M CERTAIN

1875

01:14:58,460 --> 01:14:59,862

WE CAN CONTINUE TO INSPIRE THE

1876
01:14:59,928 --> 01:15:02,698
NEXT GENERATION OF EXPLORERS, SO

1877
01:15:02,764 --> 01:15:06,969
THAT ONE DAY THOSE STUDENTS WILL

1878
01:15:07,035 --> 01:15:09,671
BE STANDING IN FRONT OF A FUTURE

1879
01:15:09,738 --> 01:15:14,977
SPACE COUNCIL DISCUSSING HOW THE

1880
01:15:15,043 --> 01:15:16,278
ANOTHER PLACE TO DO BUSINESS.

1881
01:15:16,345 --> 01:15:26,121
SO THANK YOU.

1882
01:15:26,188 --> 01:15:27,823
>> THANK YOU.

1883
01:15:27,890 --> 01:15:32,594
WELL SAID.

1884
01:15:32,661 --> 01:15:33,896
>> GOOD MORNING, MR. VICE

1885
01:15:33,962 --> 01:15:35,197
PRESIDENT, AND MEMBERS OF THE

1886
01:15:35,264 --> 01:15:36,932
NATIONAL SPACE COUNCIL, A

1887
01:15:36,999 --> 01:15:38,734
DISCUSSION ON THE THREATS OF THE

1888
01:15:38,800 --> 01:15:40,903

U.S. COMPETITIVE IN SPACE NEEDS

1889

01:15:40,969 --> 01:15:42,204

TO START WITH ACKNOWLEDGMENT

1890

01:15:42,271 --> 01:15:46,141

THAT WE'RE THE PREEMINENT SPACE

1891

01:15:46,208 --> 01:15:51,780

POWER IN THE WORLD TODAY.

1892

01:15:51,847 --> 01:15:53,548

WITH THE UNITED STATES HAS MORE

1893

01:15:53,615 --> 01:15:55,017

SATELLITES IN ORBIT THAN ANY

1894

01:15:55,083 --> 01:15:57,486

OTHER COUNTRY IN THE WORLD.

1895

01:15:57,552 --> 01:16:00,055

THE WORLD COUNTRY MOST POWERFUL

1896

01:16:00,122 --> 01:16:01,857

LAUNCHES TWO WEEKS AGO IS A

1897

01:16:01,924 --> 01:16:03,625

PRODUCT OF AMERICAN INDUSTRY.

1898

01:16:03,692 --> 01:16:06,328

A RECENT STUDY IN GLOBAL

1899

01:16:06,395 --> 01:16:10,999

SATELLITE BY MY ORGANIZATION,

1900

01:16:11,066 --> 01:16:13,635

THE POLICY INSTITUTE, FOUND

1901

01:16:13,702 --> 01:16:19,241

TWO-THIRDS OF THE ARE U.S.

1902

01:16:19,308 --> 01:16:19,608

BASED.

1903

01:16:19,675 --> 01:16:21,243

THESE ADVANTAGES CANNOT BE TAKEN

1904

01:16:21,310 --> 01:16:23,111

OUR GRANTED, AND OUR LEADERSHIP

1905

01:16:23,178 --> 01:16:25,781

IN SPACE IS INCREASINGLY BEING

1906

01:16:25,847 --> 01:16:26,248

CHALLENGED.

1907

01:16:26,315 --> 01:16:28,383

GLOBAL INVESTMENTS IN SPACE HAVE

1908

01:16:28,450 --> 01:16:30,319

GROWN OVER THE PAST TWO DECADES.

1909

01:16:30,385 --> 01:16:32,154

A DECADE AGO, FOR INSTANCE,

1910

01:16:32,220 --> 01:16:34,456

FEWER THAN 50 COUNTRIES WERE

1911

01:16:34,523 --> 01:16:37,359

INVESTING ABOUT \$40 BILLION IN

1912

01:16:37,426 --> 01:16:38,794

SPACE.

1913

01:16:38,860 --> 01:16:40,796

BY 2026, 30 MORE COUNTRIES ARE

1914

01:16:40,862 --> 01:16:43,632

EXPECTED TO JOIN THE SPACE CLUB

1915

01:16:43,699 --> 01:16:45,600

AND MORE VENTURES ARE EXPECTED

1916

01:16:45,667 --> 01:16:47,569

TO DOUBLE THOSE OF TEN YEARS

1917

01:16:47,636 --> 01:16:48,270

AGO.

1918

01:16:48,337 --> 01:16:49,638

GROWING INTERNATIONAL

1919

01:16:49,705 --> 01:16:50,572

EXPENDITURE IS ONLY ONE

1920

01:16:50,639 --> 01:16:55,477

DEVELOPMENT IN THE SPACEKTER.

1921

01:16:55,544 --> 01:16:56,745

FORTUNATELY, THE INVESTMENT FROM

1922

01:16:56,812 --> 01:17:01,850

THE U.S. GOVERNMENT HAS BROUGHT

1923

01:17:01,917 --> 01:17:03,719

DRAMATIC IMPROVEMENTS.

1924

01:17:03,785 --> 01:17:07,489

USING A COMBINATION OF ALTERNATE

1925

01:17:07,556 --> 01:17:08,724

ARCHITECTURES SUCH AS SATELLITES

1926

01:17:08,790 --> 01:17:10,792
AND BUSINESS INNOVATION,

1927

01:17:10,859 --> 01:17:14,796
RELATIVELY INEXPENSIVE BREAD-BOX

1928

01:17:14,863 --> 01:17:17,065
SIZE SATELLITES ARE ABLE TO

1929

01:17:17,132 --> 01:17:21,570
NEARLY MATCH SERVICES PREVIOUSLY

1930

01:17:21,636 --> 01:17:23,805
FEASIBLE WITH BUS-SIZED

1931

01:17:23,872 --> 01:17:25,374
SATELLITES THAT COST HUNDREDS OF

1932

01:17:25,440 --> 01:17:26,508
MILLIONS OF DOLLARS.

1933

01:17:26,575 --> 01:17:30,112
SPACE HAS BECOME AN ATTRACTIVE

1934

01:17:30,178 --> 01:17:35,050
TARGET FOR PRIVATE INVESTMENT.

1935

01:17:35,117 --> 01:17:39,521
ALMOST \$17 BILLION SINCE 2000,

1936

01:17:39,588 --> 01:17:47,596
AND \$4 BILLION IN 2017 ALONE.

1937

01:17:47,662 --> 01:17:49,965
USING BOTH THE DOMESTIC

1938

01:17:50,032 --> 01:17:51,566

INVESTMENT AND PRODUCT SERVICES

1939

01:17:51,633 --> 01:17:53,001

FROM THIS RAPIDLY GROWING

1940

01:17:53,068 --> 01:17:54,970

PRIVATE SECTOR, THE REST OF THE

1941

01:17:55,037 --> 01:17:58,407

WORLD IS LEAPFROGGING.

1942

01:17:58,473 --> 01:18:01,676

DECADES WORTH OF TECHNOLOGICAL

1943

01:18:01,743 --> 01:18:03,245

DEVELOPMENT AIMED TO COMPETE

1944

01:18:03,311 --> 01:18:04,913

WITH THE UNITED STATES IN MANY

1945

01:18:04,980 --> 01:18:07,182

AREAS INCLUDING LAUNCH, ROBOTIC

1946

01:18:07,249 --> 01:18:09,818

EXPLORATION AND EVEN HUMAN

1947

01:18:09,885 --> 01:18:10,452

EXPLORATION.

1948

01:18:10,519 --> 01:18:11,787

MY CENTRAL POINTS THREATS TO THE

1949

01:18:11,853 --> 01:18:13,288

UNITED STATES HAS RISEN FROM

1950

01:18:13,355 --> 01:18:14,623

THESE STRUCTURAL CHANGES THAT

1951

01:18:14,689 --> 01:18:16,591

ARE ENABLING MANY MORE COUNTRIES

1952

01:18:16,658 --> 01:18:18,293

TO TARGET AND ACHIEVE SUCCESS IN

1953

01:18:18,360 --> 01:18:18,760

SPACE.

1954

01:18:18,827 --> 01:18:22,931

AND THERE IS NO TURNING BACK THE

1955

01:18:22,998 --> 01:18:23,365

CLOCK.

1956

01:18:23,432 --> 01:18:24,766

IN THIS ENVIRONMENT THAT MEANS

1957

01:18:24,833 --> 01:18:25,901

THAT THE UNITED STATES MORE THAN

1958

01:18:25,967 --> 01:18:29,137

EVER NEEDS TO LEVERAGE IT'S CORE

1959

01:18:29,204 --> 01:18:33,241

COMPETITIVE ADVANTAGE, THE

1960

01:18:33,308 --> 01:18:37,245

ECOSYSTEM THAT REWARDS

1961

01:18:37,312 --> 01:18:40,682

CREATIVITY, ENTREPRENEURSHIP.

1962

01:18:40,749 --> 01:18:43,552

I PROPOSE WE BEGIN WITH THREE

1963

01:18:43,618 --> 01:18:44,419

THINGS THAT.

1964

01:18:44,486 --> 01:18:47,556

ENSURE TO CONTINUE TO

1965

01:18:47,622 --> 01:18:50,358

OUT-INNOVATE THE REST OF THE

1966

01:18:50,425 --> 01:18:51,960

WORLD, ENSURE THAT GOVERNMENT

1967

01:18:52,027 --> 01:18:55,330

SPENDING IS MORE EFFICIENT, AND

1968

01:18:55,397 --> 01:19:00,669

TO HAVE OVERWHELMING ADVANTAGES

1969

01:19:00,735 --> 01:19:01,636

OVER OTHER COUNTRIES.

1970

01:19:01,703 --> 01:19:03,105

I LOOK FORWARD TO CONTRIBUTING

1971

01:19:03,171 --> 01:19:06,608

TO THIS DISCUSSION.

1972

01:19:06,675 --> 01:19:07,209

[APPLAUSE]

1973

01:19:07,275 --> 01:19:10,545

>> WELL, I WANT TO THANK ALL THE

1974

01:19:10,612 --> 01:19:11,046

PANELISTS.

1975

01:19:11,113 --> 01:19:14,149

I'M GOING TO GO TO SEVERAL OF

1976

01:19:14,216 --> 01:19:15,951

OUR SECURITY MEMBERS OF THE

1977

01:19:16,017 --> 01:19:20,922

COUNCIL WHO ARE WITH US TODAY.

1978

01:19:20,989 --> 01:19:23,758

BUT LET ME MAYBE DIRECT MY FIRST

1979

01:19:23,825 --> 01:19:27,062

QUESTION TO THE DOCTOR, YOU HAVE

1980

01:19:27,129 --> 01:19:30,732

SPOKEN ABOUT THE CHALLENGES THAT

1981

01:19:30,799 --> 01:19:32,334

WE FACE.

1982

01:19:32,400 --> 01:19:34,069

YOU REFERRED TO STRUCTURAL

1983

01:19:34,136 --> 01:19:34,603

CHALLENGES.

1984

01:19:34,669 --> 01:19:35,871

THERE IS NO GOING BACK.

1985

01:19:35,937 --> 01:19:37,739

THE UNITED STATES HAS TO

1986

01:19:37,806 --> 01:19:40,108

CONTINUE TO LEAN IN AND

1987

01:19:40,175 --> 01:19:43,044

REMAIN--TO USE YOUR WORDS, THE

1988

01:19:43,111 --> 01:19:44,412

PREEMINENT LEADER IN SPACE.

1989

01:19:44,479 --> 01:19:47,082

YOU HAVE WRITTEN AND SPOKEN

1990

01:19:47,149 --> 01:19:48,483

ABOUT SPACE TRAFFIC MANAGEMENT.

1991

01:19:48,550 --> 01:19:50,652

IS THERE A POLICY DECISION YOU

1992

01:19:50,719 --> 01:19:53,822

WOULD HAVE THIS COUNCIL CONSIDER

1993

01:19:53,889 --> 01:19:56,758

RELATED TO THAT, AND COULD YOU

1994

01:19:56,825 --> 01:20:00,762

EXPAND ON THAT BRIEFLY?

1995

01:20:00,829 --> 01:20:01,796

>> SURE, SO SPACECRAFT

1996

01:20:01,863 --> 01:20:03,031

MANAGEMENT IS A CRITICAL

1997

01:20:03,098 --> 01:20:05,233

COMPONENT OF OUR PRIVATE SECTOR

1998

01:20:05,300 --> 01:20:06,768

LEADERSHIP IN SPACE PRIMARILY

1999

01:20:06,835 --> 01:20:08,904

BECAUSE IT GIVES US THE CLARITY,

2000

01:20:08,970 --> 01:20:12,440

IT GIVES THE COMPANY THE

2001
01:20:12,507 --> 01:20:13,542
CLARITY, THE NEED TO DO

2002
01:20:13,608 --> 01:20:15,143
UNFETTERED WORK IN SPACE.

2003
01:20:15,210 --> 01:20:19,247
IT ALLOWS US TO WORK

2004
01:20:19,314 --> 01:20:20,549
COLLABORATIVELY WITH OR

2005
01:20:20,615 --> 01:20:21,950
COUNTRIES, ESPECIALLY IF WE HAVE

2006
01:20:22,017 --> 01:20:24,553
A SYSTEM THAT IS--JOINS WITH

2007
01:20:24,619 --> 01:20:27,422
EACH OTHER, AND THERE IS

2008
01:20:27,489 --> 01:20:29,157
AGREEMENT ACROSS THE WORLD AS TO

2009
01:20:29,224 --> 01:20:31,293
HOW WE WANT TO GO FORWARD TO

2010
01:20:31,359 --> 01:20:36,865
MAKE SURE THAT SPACE IS SAFE AND

2011
01:20:36,932 --> 01:20:38,767
SUSTAINABLE TO OPERATE IN.

2012
01:20:38,833 --> 01:20:40,936
>> I'VE GOT PEOPLE WHO KNOW MORE

2013
01:20:41,002 --> 01:20:42,804

ABOUT THIS, AND MANY AT THIS

2014

01:20:42,871 --> 01:20:44,439

TABLE, BUT IT SOUNDS LIKE TO ME

2015

01:20:44,506 --> 01:20:45,840

THAT YOU'RE CALLING ON THE

2016

01:20:45,907 --> 01:20:47,842

UNITED STATES TO PLAY A WIDER

2017

01:20:47,909 --> 01:20:49,411

ROLE IN INSURING THAT WE HAVE

2018

01:20:49,477 --> 01:20:53,081

THE SAME KIND OF DECONFLICTION

2019

01:20:53,148 --> 01:20:54,716

AGREEMENTS THAT WE HAVE IN AREAS

2020

01:20:54,783 --> 01:20:56,785

OF CONFLICT THAT WE HAVE IN

2021

01:20:56,851 --> 01:21:03,258

TERMS OF ISSUES OF NAVIGATION,

2022

01:21:03,325 --> 01:21:04,526

AND YOUR SUGGESTION THAT THE

2023

01:21:04,593 --> 01:21:05,527

UNITED STATES LEAN INTO THAT

2024

01:21:05,594 --> 01:21:07,028

EFFORT AND PROVIDE THAT GUIDANCE

2025

01:21:07,095 --> 01:21:08,563

AND DRIVE THOSE AGREEMENTS?

2026

01:21:08,630 --> 01:21:09,998

>> I ABSOLUTELY THINK THAT THE

2027

01:21:10,065 --> 01:21:11,900

UNITED STATES NEEDS TO TAKE THE

2028

01:21:11,967 --> 01:21:14,369

LEADERSHIP POSITION HERE.

2029

01:21:14,436 --> 01:21:15,870

>> VERY INSIGHTFUL.

2030

01:21:15,937 --> 01:21:17,672

I APPRECIATE THAT VERY MUCH.

2031

01:21:17,739 --> 01:21:18,440

THE DEPUTY SECRETARY OF DEFENSE

2032

01:21:18,506 --> 01:21:23,812

IS HERE WITH US TODAY.

2033

01:21:23,878 --> 01:21:26,214

>> JUST A QUICK QUESTION THERE

2034

01:21:26,281 --> 01:21:26,681

FOR DEAN.

2035

01:21:26,748 --> 01:21:28,984

THANK YOU FOR YOUR REMARKS THIS

2036

01:21:29,050 --> 01:21:29,918

MORNING.

2037

01:21:29,985 --> 01:21:33,755

MY QUESTION IS AROUND THE CIVIL

2038

01:21:33,822 --> 01:21:35,257

MILITARY PARTNERSHIPS THAT YOU

2039

01:21:35,323 --> 01:21:37,058

HAVE OBSERVED IN CHINA, AND

2040

01:21:37,125 --> 01:21:40,929

MAYBE IT'S NOT JUST THE

2041

01:21:40,996 --> 01:21:42,297

CIVIL-MILITARY, BUT

2042

01:21:42,364 --> 01:21:42,931

INDUSTRIAL-MILITARY.

2043

01:21:42,998 --> 01:21:45,600

HAVE YOU SEEN A DIFFERENCE

2044

01:21:45,667 --> 01:21:49,504

DYNAMIC IN THE PARTNERSHIPS THAT

2045

01:21:49,571 --> 01:21:54,009

WE SHOULD OBSERVE OR TAKE NOTICE

2046

01:21:54,075 --> 01:21:54,376

OF?

2047

01:21:54,442 --> 01:21:57,012

>> THE CHINESE HAVE PUBLISHED

2048

01:21:57,078 --> 01:21:59,447

EXTENSIVELY ON THE ISSUE OF

2049

01:21:59,514 --> 01:22:00,615

THINGS LIKE MOBILIZATION WHERE

2050

01:22:00,682 --> 01:22:03,084

THEY INCLUDE THINGS LIKE SCIENCE

2051
01:22:03,151 --> 01:22:04,819
AND TECHNOLOGY MOBILIZATION.

2052
01:22:04,886 --> 01:22:08,823
THERE IS AN EX-POLICESIVE

2053
01:22:08,890 --> 01:22:11,192
REGULATORY STRUCTURE, ETC. FOR

2054
01:22:11,259 --> 01:22:12,727
THE INCORPORATION OF PEOPLE,

2055
01:22:12,794 --> 01:22:13,795
EQUIPMENT, AS WELL AS

2056
01:22:13,862 --> 01:22:14,262
FACILITIES.

2057
01:22:14,329 --> 01:22:16,398
SO WHEN WE THINK ABOUT CHINA'S

2058
01:22:16,464 --> 01:22:18,133
SPACE PROGRAM WE SHOULD BE

2059
01:22:18,199 --> 01:22:22,604
THINKING OF IT NOT SIMPLY IN

2060
01:22:22,671 --> 01:22:24,506
TERMS OF THE ELEMENTS CURRENTLY

2061
01:22:24,572 --> 01:22:27,342
WITH THE MILITARY, BUT THAT THEY

2062
01:22:27,409 --> 01:22:29,110
EXPLICITLY TALKED ABOUT BRINGING

2063
01:22:29,177 --> 01:22:31,146

EVERYTHING IN FROM UNIVERSITIES

2064

01:22:31,212 --> 01:22:33,081
TO CORPORATE ASSETS TO

2065

01:22:33,148 --> 01:22:36,251
INDUSTRIAL PERSONNEL AND

2066

01:22:36,318 --> 01:22:36,718
EQUIPMENT.

2067

01:22:36,785 --> 01:22:42,691
>> THANK YOU.

2068

01:22:42,757 --> 01:22:44,259
>> WE'RE FORTUNATE TO HAVE WITH

2069

01:22:44,326 --> 01:22:47,062
US TODAY THE CHAIRMAN CHIEF OF

2070

01:22:47,128 --> 01:22:47,462
STAFF.

2071

01:22:47,529 --> 01:22:48,830
YOU CAN WELCOME HIM ONE MORE

2072

01:22:48,897 --> 01:22:57,272
TIME IF YOU LIKE.

2073

01:22:57,339 --> 01:22:59,607
>> I HAVE A QUESTION, YOU TALKED

2074

01:22:59,674 --> 01:23:02,444
ABOUT NOT ALLOWING CONCERNS OVER

2075

01:23:02,510 --> 01:23:04,179
TECHNOLOGY TRANSFER TO INHIBIT

2076
01:23:04,245 --> 01:23:06,047
OUR PROGRESS, BUT YOU KNOW, IT

2077
01:23:06,114 --> 01:23:08,416
STRUCK ME AS I WAS LISTENING TO

2078
01:23:08,483 --> 01:23:11,519
THE RECAP OF THE STRATEGY FROM

2079
01:23:11,586 --> 01:23:12,821
GENERAL McMASTER, THAT WE'RE

2080
01:23:12,887 --> 01:23:14,656
GOING TO HAVE CONCERNS OVER

2081
01:23:14,723 --> 01:23:17,692
PROTECTING OUR INTELLECTUAL

2082
01:23:17,759 --> 01:23:18,660
POVERTY AND CLASSIFIED

2083
01:23:18,727 --> 01:23:19,160
INFORMATION.

2084
01:23:19,227 --> 01:23:20,829
I WONDER FROM AN INDUSTRY

2085
01:23:20,895 --> 01:23:22,230
PERSPECTIVE WITH THREE DECADES

2086
01:23:22,297 --> 01:23:24,232
OF EXPERIENCE, THAT YOU CAN TALK

2087
01:23:24,299 --> 01:23:25,633
A LITTLE BIT HOW WE GET THAT

2088
01:23:25,700 --> 01:23:26,368

BALANCE RIGHT.

2089

01:23:26,434 --> 01:23:28,837

AGAIN, AS WE IMPLEMENT THE

2090

01:23:28,903 --> 01:23:30,138

STRATEGY, WE OUGHT TO THINK

2091

01:23:30,205 --> 01:23:31,506

ABOUT THAT UP FRONT AND MAKE

2092

01:23:31,573 --> 01:23:32,674

SURE THAT WE DO THAT.

2093

01:23:32,741 --> 01:23:34,376

I'M PARTICULARLY STRUCK BY IT

2094

01:23:34,442 --> 01:23:35,777

BECAUSE OF THE BRIEF ON CHINA,

2095

01:23:35,844 --> 01:23:37,212

AND ALTHOUGH YOU SAY THAT MOST

2096

01:23:37,278 --> 01:23:39,814

OF THEIR CAPABILITIES ARE

2097

01:23:39,881 --> 01:23:41,116

INDIGENOUS AND HOMEGROWN, THAT

2098

01:23:41,182 --> 01:23:42,751

WOULD BE UNIQUE IN CHINESE

2099

01:23:42,817 --> 01:23:44,285

EXPERIENCE THAT MOST OF THEIR

2100

01:23:44,352 --> 01:23:47,088

CURRENT MODERN CAPABILITIES ARE

2101
01:23:47,155 --> 01:23:48,056
INDIGENOUS AND HOMEGROWN.

2102
01:23:48,123 --> 01:23:55,530
I THINK WE'VE KNOWN WE'VE HAD

2103
01:23:55,597 --> 01:23:59,300
SELECT CHALLENGE ESPECIALLY IN

2104
01:23:59,367 --> 01:23:59,701
CHINA.

2105
01:23:59,768 --> 01:24:01,269
MAYBE YOU CAN ADDRESS THAT, AND

2106
01:24:01,336 --> 01:24:03,705
IT'S ABOUT GETTING TO THE

2107
01:24:03,772 --> 01:24:04,339
BALANCE RIGHT.

2108
01:24:04,406 --> 01:24:05,573
>> IT'S VERY DIFFICULT IN OUR

2109
01:24:05,640 --> 01:24:07,642
INDUSTRY TO STRIKE THE RIGHT

2110
01:24:07,709 --> 01:24:09,978
BALANCE BETWEEN COMPETITIVENESS

2111
01:24:10,044 --> 01:24:15,216
AND AHOURING THAT AMERICA'S AM

2112
01:24:15,283 --> 01:24:18,620
AM BUT I SUPPOSE THAT WE HAVE IF

2113
01:24:18,686 --> 01:24:20,321

ALREADY WORKED WITH NASA VERY

2114

01:24:20,388 --> 01:24:22,590

CAREFULLY AND OTHERS TO INSURE

2115

01:24:22,657 --> 01:24:26,861

THERE IS NO TECHNOLOGY TRANSFER.

2116

01:24:26,928 --> 01:24:29,030

WE WORKED VERY CLOSELY TO MAKE

2117

01:24:29,097 --> 01:24:31,065

SURE THAT THE CHINESE AND OTHER

2118

01:24:31,132 --> 01:24:33,101

NATIONS THAT WE'VE WORKED WITH,

2119

01:24:33,168 --> 01:24:34,903

WE'VE WORKED WITH 30 NATIONS,

2120

01:24:34,969 --> 01:24:36,337

VIETNAM AND PERU AND OTHERS,

2121

01:24:36,404 --> 01:24:39,107

THAT THERE IS NO TECHNOLOGY

2122

01:24:39,174 --> 01:24:41,576

TRANSFER, AND THAT THE

2123

01:24:41,643 --> 01:24:44,612

GUIDELINES AND PRACTICES OF THE

2124

01:24:44,679 --> 01:24:46,014

INTERNATIONAL SPACE AGENCY

2125

01:24:46,080 --> 01:24:47,081

REMAIN CONFIDENTIAL.

2126
01:24:47,148 --> 01:24:50,819
WE'VE SEEN A FEW WEEKS AGO THERE

2127
01:24:50,885 --> 01:24:51,886
ARE CANADIANEN SLIGHTLIES

2128
01:24:51,953 --> 01:24:54,589
LAUNCHING WITH THE CHINESE.

2129
01:24:54,656 --> 01:24:57,392
THERE ARE OTHER SATELLITES

2130
01:24:57,459 --> 01:25:00,428
FLYING WITH THE CHINESE.

2131
01:25:00,495 --> 01:25:06,201
MY POINT IS IF WE GO IN WITH A

2132
01:25:06,267 --> 01:25:07,869
AND WE CAN SAY TO THE CHINESE

2133
01:25:07,936 --> 01:25:10,071
THESE ARE THE ISSUES THAT WE

2134
01:25:10,138 --> 01:25:12,874
WITH REGARD AS IMPORTANT,

2135
01:25:12,941 --> 01:25:14,476
COPYRIGHT, AND INTELLECTUAL

2136
01:25:14,542 --> 01:25:16,444
TRANSFER, THAT'S WHERE WE HAVE

2137
01:25:16,511 --> 01:25:18,279
STRENGTH STARTING NEW IN THE NEW

2138
01:25:18,346 --> 01:25:19,981

MARKETPLACE TO INSURE WE GET

2139

01:25:20,048 --> 01:25:21,983

WHAT WE NEED 37 AS THE PRESIDENT

2140

01:25:22,050 --> 01:25:27,722

SAID WE WANT TO CONSIDERREN

2141

01:25:27,789 --> 01:25:28,823

CONSIDER OUR OPERATIONS WITH

2142

01:25:28,890 --> 01:25:29,123

CHINA.

2143

01:25:29,190 --> 01:25:31,726

WE'RE NOT INVOLVED TODAY, BUT

2144

01:25:31,793 --> 01:25:33,228

WE'RE CLEARLY LEADERS OF THE

2145

01:25:33,294 --> 01:25:34,562

FREE WORLD.

2146

01:25:34,629 --> 01:25:37,832

THANK YOU.

2147

01:25:37,899 --> 01:25:44,138

>> SECRETARY OF ONLY LAND

2148

01:25:44,205 --> 01:25:45,807

HOMELAND IS WITH US.

2149

01:25:45,874 --> 01:25:48,076

>> MY QUESTION IS FOR ALL OF

2150

01:25:48,142 --> 01:25:50,778

YOU, WE CARE DEEPLY ABOUT

2151

01:25:50,845 --> 01:25:52,347

SPACE-BASED SERVICES.

2152

01:25:52,413 --> 01:25:53,848

EVERYTHING FROM THE WEATHER, THE

2153

01:25:53,915 --> 01:25:57,118

SATELLITES THAT WE GET FROM NOAA

2154

01:25:57,185 --> 01:25:59,854

AND THE COMMERCE DEPARTMENT

2155

01:25:59,921 --> 01:26:02,156

THROUGH ITS ABILITY TO WARN OUR

2156

01:26:02,223 --> 01:26:03,424

CITIZENS, THROUGH CYBER

2157

01:26:03,491 --> 01:26:06,995

SECURITY, AND GPS-ENABLED

2158

01:26:07,061 --> 01:26:07,829

POSITION, NAVIGATIONAL AND

2159

01:26:07,896 --> 01:26:08,162

TIMING.

2160

01:26:08,229 --> 01:26:09,531

THE CONCERN TO ME IS MAKING SURE

2161

01:26:09,597 --> 01:26:11,799

AS WE WORK WITH THE PRIVATE

2162

01:26:11,866 --> 01:26:13,768

SECTOR AND THE GOVERNMENT MOVING

2163

01:26:13,835 --> 01:26:16,237

FORWARD THAT WE CAN CONTINUE TO

2164

01:26:16,304 --> 01:26:18,206

BUILT IN SECURITY AND ABILITY

2165

01:26:18,273 --> 01:26:19,774

AND RESILIENCE.

2166

01:26:19,841 --> 01:26:23,978

WHAT MORE CAN THE USAMENT

2167

01:26:24,045 --> 01:26:25,146

GOVERNMENT DO AM AS WE GO

2168

01:26:25,213 --> 01:26:27,682

FORWARD IN ALL OF OUR

2169

01:26:27,749 --> 01:26:29,083

SPACE-BASED SERVICES, UPON WHICH

2170

01:26:29,150 --> 01:26:31,553

WE'RE SO HEAVILY RELIANT?

2171

01:26:31,619 --> 01:26:33,388

>> SO I WOULD SAY IT WOULD BE

2172

01:26:33,454 --> 01:26:35,490

HELPFUL FOR THE GOVERNMENT TO

2173

01:26:35,557 --> 01:26:38,359

WORK MORE WITH THE PRIVATE

2174

01:26:38,426 --> 01:26:41,095

SECTOR, ESPECIALLY THE PART OF

2175

01:26:41,162 --> 01:26:42,730

THE PRIVATE SECRETARY PER.

2176
01:26:42,797 --> 01:26:44,065
ONE WAY TO DO THAT.

2177
01:26:44,132 --> 01:26:45,800
WOULDEN TO MAKE SURE THAT THE

2178
01:26:45,867 --> 01:26:47,802
GOVERNMENT USES MORE SPECIAL

2179
01:26:47,869 --> 01:26:51,573
APPROACHES IN THE THINGS THAT

2180
01:26:51,639 --> 01:26:53,441
NOT NECESSARILY WITH THE

2181
01:26:53,508 --> 01:26:56,077
CONTRACTS, BUT ONCE THAT ARE

2182
01:26:56,144 --> 01:26:58,646
MORE SOLUTIONS ARE OUTCOME

2183
01:26:58,713 --> 01:27:00,748
DRIVEN WHERE THERE ARE

2184
01:27:00,815 --> 01:27:04,719
MILESTONES AND PAYMENTS BASED ON

2185
01:27:04,786 --> 01:27:05,820
MILESTONES.

2186
01:27:05,887 --> 01:27:07,288
ANOTHER MILESTONE ACTIVITY TO

2187
01:27:07,355 --> 01:27:10,792
ADD WOULD BE TO' 80% CONDITIONS.

2188
01:27:10,858 --> 01:27:14,495

THAT WOULD JUST REALLY IMPROVE

2189

01:27:14,562 --> 01:27:18,766

THE APERTURE OF THE KIND OF

2190

01:27:18,833 --> 01:27:20,034

COMPANIES WE CAN WORK WITH.

2191

01:27:20,101 --> 01:27:22,270

WE DON'T ALWAYS NEED TO USE THE

2192

01:27:22,337 --> 01:27:22,804

FERRARI.

2193

01:27:22,870 --> 01:27:25,406

SOMETIMES WE CAN USE THE FORD

2194

01:27:25,473 --> 01:27:25,840

FOCUS.

2195

01:27:25,907 --> 01:27:27,508

>> I'LL SPEAK TO THAT.

2196

01:27:27,575 --> 01:27:30,411

WE HAVE A REBUST RELATIONSHIP

2197

01:27:30,478 --> 01:27:32,013

WITH NASA ON ALL LEVELS.

2198

01:27:32,080 --> 01:27:33,681

HAVING THIS SORT OF PARTNERSHIP

2199

01:27:33,748 --> 01:27:34,515

IS CRITICAL.

2200

01:27:34,582 --> 01:27:36,884

WE ALWAYS ARE IN LOCK STEP WITH

2201
01:27:36,951 --> 01:27:39,020
NASA ON WHAT WE'RE DOING

2202
01:27:39,087 --> 01:27:42,023
ESPECIALLY AS WE DEAL WITH

2203
01:27:42,090 --> 01:27:42,724
OVERSEAS.

2204
01:27:42,790 --> 01:27:45,793
HAVE IS AN EMERGING DETROIT THE

2205
01:27:45,860 --> 01:27:47,829
U.S. GOVERNMENT OF GREAT FOLKS

2206
01:27:47,895 --> 01:27:49,697
WHO CARE, MORE THAN JUST GETTING

2207
01:27:49,764 --> 01:27:51,399
UP AND DOING THEIR JOB.

2208
01:27:51,466 --> 01:27:54,802
THIS IS THE DOD AND THEY WORK

2209
01:27:54,869 --> 01:28:09,017
WITH US TO INSURE, AND PASSING

2210
01:28:09,083 --> 01:28:10,518
THIS ALONG IT'S NOT SOMETHING

2211
01:28:10,585 --> 01:28:11,686
THAT YOU CAN CODIFY.

2212
01:28:11,753 --> 01:28:13,688
YOU JUST HAVE TO HAVE AN ORGANIC

2213
01:28:13,755 --> 01:28:15,390

RELATIONSHIP TO BE SMARTER, TO

2214

01:28:15,456 --> 01:28:17,859

BE ALERT, AND DON'T CONSIDER THE

2215

01:28:17,925 --> 01:28:22,730

GOVERNMENT ALWAYS AS THE ENEMY,

2216

01:28:22,797 --> 01:28:25,266

BUT WORK WITH THEM ON THESE SORT

2217

01:28:25,333 --> 01:28:26,334

OF CRITICAL ISSUES.

2218

01:28:26,401 --> 01:28:27,568

>> I WOULD SAY THAT ONE OF THE

2219

01:28:27,635 --> 01:28:32,974

THINGS TO KEEP IN MIND SPACE IS

2220

01:28:33,041 --> 01:28:34,842

PART OF AN ECOSYSTEM.

2221

01:28:34,909 --> 01:28:41,249

THE CHINESE VIEW SPACE VERY

2222

01:28:41,315 --> 01:28:41,749

HOLISTICALLY.

2223

01:28:41,816 --> 01:28:44,052

THEY TALK ABOUT THE SATELLITES,

2224

01:28:44,118 --> 01:28:47,055

THE GROUND DATA AND EVERYTHING

2225

01:28:47,121 --> 01:28:48,122

THAT PASSES OVER IT.

2226
01:28:48,189 --> 01:28:50,158
WE NEED TO BE THINKING BEYOND

2227
01:28:50,224 --> 01:28:50,792
JUST SPACE.

2228
01:28:50,858 --> 01:28:53,628
WE NEED TO THINK ABOUT OTHER

2229
01:28:53,695 --> 01:28:56,998
ALTERNATIVES THAT MAY NOT BE

2230
01:28:57,065 --> 01:28:57,432
ORBITAL.

2231
01:28:57,498 --> 01:28:59,467
WHEN WE THINK ABOUT PROTECTING

2232
01:28:59,534 --> 01:29:02,136
OUR SPACE CAPABILITIES, IT

2233
01:29:02,203 --> 01:29:03,538
MEANSCYING HOLISTICALLY.

2234
01:29:03,604 --> 01:29:04,806
IT'S REALLY THE INFORMATION THAT

2235
01:29:04,872 --> 01:29:07,942
PASSES OVER AND THROUGH THOSE

2236
01:29:08,009 --> 01:29:14,849
SPACE SYSTEMS.

2237
01:29:14,916 --> 01:29:19,220
>> JOIN ME IN THANKING THESE

2238
01:29:19,287 --> 01:29:19,687

PANELISTS.

2239

01:29:23,624 --> 01:29:20,421

GREAT JOB.

2240

01:29:23,691 --> 01:29:24,125

[APPLAUSE]

2241

01:29:24,192 --> 01:29:27,128

OUR NEXT PANEL IS ENTITLED

2242

01:29:27,195 --> 01:29:28,429

ENTREPRENEURSHIP ON THE NEXT

2243

01:29:28,496 --> 01:29:28,996

FRONTIER.

2244

01:29:29,063 --> 01:29:31,332

I'LL INVITE OUR PANELISTS TO GO

2245

01:29:31,399 --> 01:29:33,434

AHEAD AND MAKE YOUR WAY TO THE

2246

01:29:33,501 --> 01:29:36,270

STAGE, AND BEFORE WE GET STARTED

2247

01:29:36,337 --> 01:29:40,742

LET ME JUST SAY TO ALL THE

2248

01:29:40,808 --> 01:29:42,110

MEMBERS OF THE NATIONAL SPACE

2249

01:29:42,176 --> 01:29:44,846

COUNCIL, I THINK WE'VE HEARD

2250

01:29:44,912 --> 01:29:48,149

SOME VERY INSIGHTFUL

2251
01:29:48,216 --> 01:29:50,785
RECOMMENDATIONS PARTICULARLY

2252
01:29:50,852 --> 01:29:52,186
WOULD GO GENERAL McMART, IF

2253
01:29:52,253 --> 01:29:57,759
YOU COULD DEVELOP A PLAN THAT.

2254
01:29:57,825 --> 01:29:59,894
ADDITION STEPS DERIVED FROM THE

2255
01:29:59,961 --> 01:30:01,462
DISCUSSION TODAY, THAT OUGHT TO

2256
01:30:01,529 --> 01:30:04,866
BE ADDED TO THE SPACE STRATEGY.

2257
01:30:04,932 --> 01:30:07,568
WE LOOK FORWARD TO YOUR

2258
01:30:07,635 --> 01:30:09,737
PRESENTATION ON THAT AT THE NEXT

2259
01:30:09,804 --> 01:30:11,539
INTERNATIONAL SPACE COUNCIL

2260
01:30:11,606 --> 01:30:12,140
MEETING.

2261
01:30:12,206 --> 01:30:14,575
THEY'VE WRITTEN ME SOME VERY

2262
01:30:14,642 --> 01:30:16,878
THOUGHTFUL OPENING REMARKS ABOUT

2263
01:30:16,944 --> 01:30:17,845

ENTREPRENEURSHIP AND THE NEXT

2264

01:30:17,912 --> 01:30:22,483

FRONTIER, BUT IN THE INTEREST OF

2265

01:30:22,550 --> 01:30:28,623

TIME LET ME BE BRIEF AND SAY

2266

01:30:28,689 --> 01:30:29,357

PRESIDENT TRUMP IS FOR IT.

2267

01:30:29,423 --> 01:30:31,325

I WAS ON THE PHONE WITH THE

2268

01:30:31,392 --> 01:30:33,227

PRESIDENT YESTERDAY, AND HE HAS

2269

01:30:33,294 --> 01:30:35,062

GREAT PRIDE AND GREAT ENTHUSIASM

2270

01:30:35,129 --> 01:30:41,335

IN NOT ONLY THE PARTNERSHIP THE

2271

01:30:41,402 --> 01:30:42,470

HISTORIC PARTNERSHIP BETWEEN

2272

01:30:42,537 --> 01:30:44,772

PRIVATE SECTOR AND NASA, BUT

2273

01:30:44,839 --> 01:30:46,040

ALSO GREAT PRIDE IN THE

2274

01:30:46,107 --> 01:30:49,443

DEVELOPMENT OF NEW PLATFORMS AND

2275

01:30:49,510 --> 01:30:51,445

INNOVATION.

2276
01:30:51,512 --> 01:30:54,882
THAT WE SAW JUST JUST TWO WEEKS

2277
01:30:54,949 --> 01:30:57,718
AGO AND WE SEE IN ALL THE

2278
01:30:57,785 --> 01:30:59,887
ROCKETS WE SEE THAT WE TALKED

2279
01:30:59,954 --> 01:31:01,789
ABOUT IN MY PRESENTATION TRAY.

2280
01:31:01,856 --> 01:31:07,662
I WAS AT THE MOJAVE DESERT, AND

2281
01:31:07,728 --> 01:31:09,063
VISITED ANOTHER SPACE PORT.

2282
01:31:09,130 --> 01:31:11,365
I CAN'T HELP BUT THINK 100 YEARS

2283
01:31:11,432 --> 01:31:13,334
FROM NOW THAT IT WILL BE OUR

2284
01:31:13,401 --> 01:31:20,007
PRIVATE SECTOR PIONEERS THAT

2285
01:31:20,074 --> 01:31:22,243
HELPED LIFT AMERICA IN THIS ERA

2286
01:31:22,310 --> 01:31:28,049
OF SPACE EXPLORATION AS PIONEERS

2287
01:31:28,115 --> 01:31:28,916
IN THE PAST.

2288
01:31:28,983 --> 01:31:33,788

I WANT TO EXPRESS GRATITUDE TO

2289

01:31:33,855 --> 01:31:35,590

THIS DISTINGUISHED PANEL.

2290

01:31:35,656 --> 01:31:37,391

IN THE INTEREST OF TIME I'LL ASK

2291

01:31:37,458 --> 01:31:39,527

THE PANEL TO SUMMARIZE YOUR

2292

01:31:39,594 --> 01:31:39,927

REMARKS.

2293

01:31:39,994 --> 01:31:41,395

WE'LL HAVE TIME FOR A FEW

2294

01:31:41,462 --> 01:31:42,763

QUESTIONS BEFORE WE'RE SPIRITED

2295

01:31:42,830 --> 01:31:44,565

OFF TO A TOUR, AND I HAVE TO

2296

01:31:44,632 --> 01:31:47,835

WING MY WAY WITH MANY OF THESE

2297

01:31:47,902 --> 01:31:50,805

CABINET OFFICIALS BACK TO

2298

01:31:50,872 --> 01:31:52,240

WASHINGTON, D.C.

2299

01:31:52,306 --> 01:31:59,213

OUR FIRST PANELISTS, ONE OF OUR

2300

01:31:59,280 --> 01:32:00,781

HOSTS HERE TODAY.

2301
01:32:00,848 --> 01:32:02,984
AND SECONDLY, THE PRESIDENT OF

2302
01:32:03,050 --> 01:32:06,487
THE ANALYTICS TRAINING, AND THEN

2303
01:32:06,554 --> 01:32:07,421
PRESIDENT OF SATELLITE

2304
01:32:07,488 --> 01:32:11,158
INDUSTRIES ASSOCIATION, AND THEN

2305
01:32:11,225 --> 01:32:11,993
PRESIDENT AND CEO OF THE

2306
01:32:12,059 --> 01:32:13,594
COALITION FOR DEEP SPACE

2307
01:32:13,661 --> 01:32:14,128
EXPLORATION.

2308
01:32:14,195 --> 01:32:18,599
THESE ARE FOUR GREAT CHAMPIONS

2309
01:32:18,666 --> 01:32:21,769
OF AMERICAN ENTREPRENEURSHIP IN

2310
01:32:21,836 --> 01:32:22,203
SPACE.

2311
01:32:22,270 --> 01:32:26,607
WE'RE HONORED TO HAVE YOU HERE.

2312
01:32:26,674 --> 01:32:27,575
THANK YOU VERY MUCH.

2313
01:32:27,642 --> 01:32:28,075

[APPLAUSE]

2314

01:32:28,142 --> 01:32:30,111

IF YOU COULD GET IT STARTED AND

2315

01:32:30,177 --> 01:32:32,146

SUMMARIZE YOUR REMARKS, WE'LL

2316

01:32:32,213 --> 01:32:33,748

MOVE THROUGH THE PANEL QUICKLY.

2317

01:32:33,814 --> 01:32:38,452

>> THANK YOU, MR. VICE

2318

01:32:38,519 --> 01:32:39,654

PRESIDENT.

2319

01:32:39,720 --> 01:32:40,821

THANK YOU FOR GIVING ME THE

2320

01:32:40,888 --> 01:32:44,492

OPPORTUNITY TO BE HERE TODAY.

2321

01:32:44,558 --> 01:33:10,718

AMERICA'S PRIVATE SPACE SECTOR.

2322

01:33:10,785 --> 01:33:12,520

SPACEX THEY'RE DEVELOPING THEIR

2323

01:33:12,586 --> 01:33:14,655

OWN HEAVY LIFT VEHICLE WITH

2324

01:33:14,722 --> 01:33:19,493

PRIVATE SECTOR FUNDING.

2325

01:33:19,560 --> 01:33:23,831

TWO CHALLENGES EXPAND OUR NICK

2326
01:33:23,898 --> 01:33:26,267
SPEAR AND COMMERCIAL SPACE

2327
01:33:26,334 --> 01:33:28,402
TRANSPORTATION AND REMOTE

2328
01:33:28,469 --> 01:33:30,471
SENSING ARE GROWING AT

2329
01:33:30,538 --> 01:33:32,640
UNPRECEDENTED RATES WHILE NEW

2330
01:33:32,707 --> 01:33:37,211
SPACE EXPLORATION ARE BEING

2331
01:33:37,278 --> 01:33:37,778
INTRODUCED.

2332
01:33:37,845 --> 01:33:43,351
AS DISCUSSED EARLIER, OUR LEGAL

2333
01:33:43,417 --> 01:33:49,523
AND THEY'RE PUTTING ON THE

2334
01:33:49,590 --> 01:33:50,725
BRAKES OF OUR CURRENT PROGRESS

2335
01:33:50,791 --> 01:33:52,426
ON FUTURE POSSIBILITIES.

2336
01:33:52,493 --> 01:33:57,164
WE NEED TO STRIVE FOR PUBLIC

2337
01:33:57,231 --> 01:33:59,133
SPACE FLIGHT.

2338
01:33:59,200 --> 01:34:02,169

AS LONG AS NATIONAL SECURITY ARE

2339

01:34:02,236 --> 01:34:05,573

NOT COMPROMISED, THE PRESUMPTION

2340

01:34:05,639 --> 01:34:10,044

IS THAT IS A COMMERCIAL SPACE

2341

01:34:10,111 --> 01:34:10,978

CAN SUCCEED.

2342

01:34:11,045 --> 01:34:12,813

THE CURRENT REGULATIONS WRITTEN

2343

01:34:12,880 --> 01:34:15,916

DECADES AGO BASED ON 1980s

2344

01:34:15,983 --> 01:34:17,585

TECHNOLOGIES AND OPERATIONS

2345

01:34:17,651 --> 01:34:19,487

THOSE ROCKETS WERE EXPENDABLE,

2346

01:34:19,553 --> 01:34:21,889

VERY EXPENSIVE, AND INFREQUENTLY

2347

01:34:21,956 --> 01:34:25,226

LAUNCHED AND CARRIED ONLY ONE

2348

01:34:25,292 --> 01:34:26,093

PAYLOAD.

2349

01:34:26,160 --> 01:34:27,762

SPACE PORTS ALSO FACE

2350

01:34:27,828 --> 01:34:29,363

INCONSISTENT INTERPRET OF

2351
01:34:29,430 --> 01:34:30,264
REGULATIONS AND REQUIREMENTS.

2352
01:34:30,331 --> 01:34:33,501
THE SAME RULES REQUIRED TO BE

2353
01:34:33,567 --> 01:34:34,935
IMPLEMENTED DIFFERENTLY AT

2354
01:34:35,002 --> 01:34:37,905
DIFFERENT LAUNCH SITES.

2355
01:34:37,972 --> 01:34:41,008
EVEN MODEST I AM AM PROVEMENTS

2356
01:34:41,075 --> 01:34:43,277
TO THE SPACE PORTS

2357
01:34:43,344 --> 01:34:45,846
INFRASTRUCTURE CAN FACE NEW

2358
01:34:45,913 --> 01:34:49,016
ROUNDS OF REVIEWS BECAUSE OF

2359
01:34:49,083 --> 01:34:50,785
OPERATORS LICENSE.

2360
01:34:50,851 --> 01:34:52,386
MEMBERS ARE EAGLE FOR WORK WITH

2361
01:34:52,453 --> 01:34:55,256
THE ADMINISTRATION TO STREAMLINE

2362
01:34:55,322 --> 01:34:56,624
RULES INTO ONE SPACE RULE THAT

2363
01:34:56,690 --> 01:34:59,794

PRESERVES PUBLIC SAFETY WITHOUT

2364

01:34:59,860 --> 01:35:03,097

RESTRICTING INDUSTRY SPEED TO

2365

01:35:03,164 --> 01:35:04,765

BENEFIT FUTURE WHERE LAUNCHES

2366

01:35:04,832 --> 01:35:05,800

ARE MORE APPROPRIATE, MORE

2367

01:35:05,866 --> 01:35:07,401

AFFORDABLE AND MORE RELIABLE.

2368

01:35:07,468 --> 01:35:09,770

RULES CAN BE MADE CLEARER AND

2369

01:35:09,837 --> 01:35:12,006

MORE CONCISE WITH EXPLANATORY

2370

01:35:12,073 --> 01:35:14,275

DETAILS LEFT TO GUIDANCE.

2371

01:35:14,341 --> 01:35:16,610

REMOTE SENSING HAS BEEN

2372

01:35:16,677 --> 01:35:17,978

CONSTRAINED BY OUTDATE THE

2373

01:35:18,045 --> 01:35:19,713

REGULATIONS THAT ARE NOT

2374

01:35:19,780 --> 01:35:20,981

FAITHFULLY IMPLEMENTED.

2375

01:35:21,048 --> 01:35:23,584

FINALLY IT'S TIME FOR THE

2376
01:35:23,651 --> 01:35:25,920
FEDERAL GOVERNMENT TO PROVIDE A

2377
01:35:25,986 --> 01:35:29,857
PROCESS TO IMPROVING SPACE

2378
01:35:29,924 --> 01:35:31,926
COMPANIES.

2379
01:35:31,992 --> 01:35:34,462
PROVIDING NARROWLY TAILORED

2380
01:35:34,528 --> 01:35:39,100
APPROACH OF OVERSIGHT OF THOSE

2381
01:35:39,166 --> 01:35:40,835
ACTIVITIES.

2382
01:35:40,901 --> 01:35:42,336
WITH A COMMERCIAL SPACE INDUSTRY

2383
01:35:42,403 --> 01:35:43,671
UNLEASHED TO ADVANCE AS QUICKLY

2384
01:35:43,737 --> 01:35:45,606
AS POSSIBLE THE U.S. GOVERNMENT

2385
01:35:45,673 --> 01:35:50,311
NEEDS TO ADAPT TO GAIN THE

2386
01:35:50,377 --> 01:35:59,453
PUBLIC BENEFIT.

2387
01:35:59,520 --> 01:36:02,289
NASA SHOULD BE ENCOURAGED TO USE

2388
01:36:02,356 --> 01:36:04,925

COMPETITIVELY AWARDED COST

2389

01:36:04,992 --> 01:36:06,093

SHARED AGREEMENTS TO DEVELOP NEW

2390

01:36:06,160 --> 01:36:07,995

SPACE EXPLORATION CAPABILITIES

2391

01:36:08,062 --> 01:36:11,732

SO THAT THE UNITED STATES CAN

2392

01:36:11,799 --> 01:36:14,468

AFFORDABLY RETURN TO THE MOON

2393

01:36:14,535 --> 01:36:15,736

AND VOYAGES BEYOND.

2394

01:36:15,803 --> 01:36:18,472

ALL SPACE AGENCIES SHOULD ASK

2395

01:36:18,539 --> 01:36:20,875

THE QUESTION CAN WE PARTNER?

2396

01:36:20,941 --> 01:36:27,148

IN CONCLUSION, AMERICA'S

2397

01:36:27,214 --> 01:36:27,882

INDUSTRIAL PARADIGM HAS

2398

01:36:27,948 --> 01:36:29,116

FUNDAMENTALLY CHANGED DEVELOPING

2399

01:36:29,183 --> 01:36:30,951

TO THE POINT WHERE THE

2400

01:36:31,018 --> 01:36:32,586

CONTRACTING PRACTICES ARE NOW

2401

01:36:32,653 --> 01:36:35,122

OUR LARGEST IMPEDIMENTS.

2402

01:36:35,189 --> 01:36:37,491

NOW, MORE THAN EVER WE NEED THE

2403

01:36:37,558 --> 01:36:39,426

NATIONAL SPACE COUNCIL TO TAKE

2404

01:36:39,493 --> 01:36:41,996

ACTION AND WORK WITH INDUSTRY.

2405

01:36:42,062 --> 01:36:51,338

THANK YOU SO MUCH FOR YOUR TIME.

2406

01:36:51,405 --> 01:36:56,443

>> THANK YOU VERY MUCH.

2407

01:36:56,510 --> 01:36:57,311

>> MR. VICE PRESIDENT,

2408

01:36:57,378 --> 01:36:58,579

DISTINGUISHED CABINET MEMBERS

2409

01:36:58,646 --> 01:37:00,548

AND INVITED GUESTS.

2410

01:37:00,614 --> 01:37:01,315

GOOD MORNING.

2411

01:37:01,382 --> 01:37:05,653

I'M THE FOUNDER AND CEO OF

2412

01:37:05,719 --> 01:37:07,888

INNOVATIVE ANALYTICS AND

2413

01:37:07,955 --> 01:37:09,123

TRAINING, A SMALL CONSULTING

2414

01:37:09,190 --> 01:37:10,057

FIRM IN WASHINGTON, D.C.

2415

01:37:10,124 --> 01:37:11,792

TODAY I'LL BRING IF FORWARD TO

2416

01:37:11,859 --> 01:37:15,029

YOU MY 5 YEARS OF WRITING AND

2417

01:37:15,095 --> 01:37:16,363

ANALYZING MILITARY SENSING FOR

2418

01:37:16,430 --> 01:37:20,100

BOTH GOVERNMENT AND COMMERCIAL

2419

01:37:20,167 --> 01:37:20,467

CLIENTS.

2420

01:37:20,534 --> 01:37:22,570

I WOULD LIKE TO TALK ABOUT

2421

01:37:22,636 --> 01:37:23,904

ENTREPRENEURSHIP ON THE NEXT

2422

01:37:23,971 --> 01:37:25,573

FRONTIER BUT IF YOU'LL ALLOW ME

2423

01:37:25,639 --> 01:37:27,775

I WOULD LIKE TO SHOWCASE THE

2424

01:37:27,841 --> 01:37:29,176

EXAMPLE FIRST FROM THE

2425

01:37:29,243 --> 01:37:31,178

PERSPECTIVE OF ITS PROMISE, AND

2426
01:37:31,245 --> 01:37:32,580
SECONDLY FROM THE CONTINUING

2427
01:37:32,646 --> 01:37:33,747
CHALLENGES THAT WE HAVE.

2428
01:37:33,814 --> 01:37:35,583
SOME ARE READY, AND I'LL GO

2429
01:37:35,649 --> 01:37:36,884
QUICKLY OVER THOSE.

2430
01:37:36,951 --> 01:37:41,889
IF YOU CAN IMAGINE A TRADITIONAL

2431
01:37:41,956 --> 01:37:42,756
INTELLIGENCE ANALYST OR

2432
01:37:42,823 --> 01:37:44,892
SCIENTIST POURING OVER A SMALL

2433
01:37:44,959 --> 01:37:46,994
NUMBER OF SATELLITE IMAGES YOU

2434
01:37:47,061 --> 01:37:49,863
HAVE AN SOMEWHAT OUTDATED VIEW

2435
01:37:49,930 --> 01:37:52,967
OF THE WORLD.

2436
01:37:53,033 --> 01:37:54,802
THE SENSING MARKET COLLECT

2437
01:37:54,868 --> 01:37:58,539
IMAGES WITH HIGH RESOLUTION,

2438
01:37:58,606 --> 01:38:00,074

INCREASING FREQUENCY AND CREATE

2439

01:38:00,140 --> 01:38:00,941

UNPRECEDENTED VOLUMES OF

2440

01:38:01,008 --> 01:38:02,276

INFORMATION.

2441

01:38:02,343 --> 01:38:07,214

OTHER INNOVATIVES ARE HARNESSING

2442

01:38:07,281 --> 01:38:09,116

MACHINE LEARNING TO GAIN INSIGHT

2443

01:38:09,183 --> 01:38:11,018

INTO IMAGERY.

2444

01:38:11,085 --> 01:38:12,720

AND OTHER POTENTIAL ENTRANTS TO

2445

01:38:12,786 --> 01:38:14,888

THE MARKET WANT TO COLLECT EVEN

2446

01:38:14,955 --> 01:38:18,826

MORE EXQUISITE SATELLITE DATA

2447

01:38:18,892 --> 01:38:20,794

WITH FREQUENCY DATA AND SOCIAL

2448

01:38:20,861 --> 01:38:21,228

MEDIA.

2449

01:38:21,295 --> 01:38:22,763

THEY HAVE ACCESS TO SATELLITE

2450

01:38:22,830 --> 01:38:25,733

TECHNOLOGY AND THEY'RE LEVERAGES

2451
01:38:25,799 --> 01:38:29,336
BREAKTHROUGHS IN COMMUNICATION,

2452
01:38:29,403 --> 01:38:43,017
ARTIFICIAL INTELLIGENCE.

2453
01:38:43,083 --> 01:38:45,653
WE CANNOT TALK ABOUT SPACE

2454
01:38:45,719 --> 01:38:46,487
WITHOUT TALKING ABOUT THE

2455
01:38:46,553 --> 01:38:47,888
EFFECTS THEY'RE ALREADY HAVING

2456
01:38:47,955 --> 01:38:49,156
ON THE GROUND TODAY.

2457
01:38:49,223 --> 01:38:53,527
OTHER CAPABILITIES CREATE

2458
01:38:53,594 --> 01:38:54,628
BREATHTAKING VISUALIZATION BASED

2459
01:38:54,695 --> 01:38:57,498
ON REALTIME DATA THAT CREATE NEW

2460
01:38:57,564 --> 01:38:59,099
LEVELS OF INTERACTION AND

2461
01:38:59,166 --> 01:38:59,867
EXPLORATION.

2462
01:38:59,933 --> 01:39:02,703
AS WE MOVE DEEPER TO THE

2463
01:39:02,770 --> 01:39:05,105

ECONOMY, IT WILL PLAY AN

2464

01:39:05,172 --> 01:39:06,540

EXTRAORDINARY ROLE PROVIDING

2465

01:39:06,607 --> 01:39:08,242

DETAILED INFORMATION ABOUT A

2466

01:39:08,309 --> 01:39:10,678

WIDE RANGE OF TOPICS ON THE

2467

01:39:10,744 --> 01:39:11,145

GROUND.

2468

01:39:11,211 --> 01:39:13,614

WE KNOW THE PHRASE A PICTURE IS

2469

01:39:13,681 --> 01:39:14,815

WORTH A THOUSAND WORDS.

2470

01:39:14,882 --> 01:39:16,517

CONSIDER WHAT A MILLION PICTURES

2471

01:39:16,583 --> 01:39:19,486

RICHLY DETAILED, EFFICIENTLY

2472

01:39:19,553 --> 01:39:23,324

ORGANIZED, TIME SEQUENCED AND

2473

01:39:23,390 --> 01:39:24,892

THOROUGHLY ANALYZED MIGHT MEAN

2474

01:39:24,958 --> 01:39:26,126

ABOUT WHAT WE UNDERSTAND ABOUT

2475

01:39:26,193 --> 01:39:27,761

TODAY AND EVEN TOMORROW.

2476
01:39:27,828 --> 01:39:31,598
FOR THE U.S. COMMERCIAL SENSING

2477
01:39:31,665 --> 01:39:33,534
INDUSTRY, THAT JUST ONE STEP ON

2478
01:39:33,600 --> 01:39:36,470
THE WAY TO THE NEXT FRONTIER.

2479
01:39:36,537 --> 01:39:40,307
NEXT YEAR MARKS THE

2480
01:39:40,374 --> 01:39:41,875
25TH ANNIVERSARY FOR COMMERCIAL

2481
01:39:41,942 --> 01:39:42,676
REMOTE SENSING.

2482
01:39:42,743 --> 01:39:44,044
WHILE THERE HAS BEEN GREAT

2483
01:39:44,111 --> 01:39:45,746
PROGRESS, THE PROCESS STILL

2484
01:39:45,813 --> 01:39:49,083
HINDERS THE SPEED OF U.S.

2485
01:39:49,149 --> 01:39:49,750
INNOVATION.

2486
01:39:49,817 --> 01:39:51,819
TECHNOLOGICAL DEVELOPMENTS ARE

2487
01:39:51,885 --> 01:39:52,720
OUTSTRIPPING POLICY AND

2488
01:39:52,786 --> 01:39:53,921

REGULATORY DEVELOPMENTS.

2489

01:39:53,987 --> 01:39:56,423

MUCH OF THE REGIME IS OUTDATED

2490

01:39:56,490 --> 01:39:57,558

REFLECTING TECHNOLOGY AND

2491

01:39:57,624 --> 01:40:01,028

BUSINESS PROCESSES FROM THE

2492

01:40:01,095 --> 01:40:02,129

EARLY 2002s.

2493

01:40:02,196 --> 01:40:04,331

SECONDLY, A WIDE RANGE OF

2494

01:40:04,398 --> 01:40:05,966

GOVERNMENT INTERESTS FROM

2495

01:40:06,033 --> 01:40:08,135

NATIONAL SECURITY TO POLICY, AND

2496

01:40:08,202 --> 01:40:08,602

WEATHER.

2497

01:40:08,669 --> 01:40:11,171

TOO MANY STAKEHOLDERS DELAY THE

2498

01:40:11,238 --> 01:40:12,506

LICENSING PROCESS, AND AS A

2499

01:40:12,573 --> 01:40:14,074

RESULT SOMETIMES RESTRICT

2500

01:40:14,141 --> 01:40:15,442

COMPANIES FROM PROVIDING MORE

2501

01:40:15,509 --> 01:40:17,644

ADVANCED REMOTE SENSING

2502

01:40:17,711 --> 01:40:19,880

CAPABILITIES AND THE CONTINUOUS

2503

01:40:19,947 --> 01:40:23,150

FLOW OF DATA EXPECTED IN TODAY'S

2504

01:40:23,217 --> 01:40:25,586

HIGH SPEED GLOBAL MARKETS IN

2505

01:40:25,652 --> 01:40:27,154

AREAS OF AGRICULTURE, FINANCE

2506

01:40:27,221 --> 01:40:29,523

AND OTHERS.

2507

01:40:29,590 --> 01:40:31,658

THIRD, BECAUSE SATELLITE IMAGERY

2508

01:40:31,725 --> 01:40:33,827

IS CRUCIAL TO INTELLIGENCE, IT

2509

01:40:33,894 --> 01:40:35,129

CREATES A LEVEL OF CAUTION THAT

2510

01:40:35,195 --> 01:40:36,997

CAN SLOW OR RESTRICT INNOVATIONS

2511

01:40:37,064 --> 01:40:37,631

TO MARKET.

2512

01:40:37,698 --> 01:40:40,267

WE KNOW THAT COMMERCIALIZATION

2513

01:40:40,334 --> 01:40:42,102

CREATES CHALLENGES FOR THE U.S.

2514

01:40:42,169 --> 01:40:43,704

NATIONAL SECURITY, BUT SLOWING

2515

01:40:43,771 --> 01:40:47,508

DOWN OR DELAYING COMMERCIAL

2516

01:40:47,574 --> 01:40:49,042

INNOVATION IS NEITHER KENT

2517

01:40:49,109 --> 01:40:49,810

CONSISTENT WITH U.S. POLICY OR

2518

01:40:49,877 --> 01:40:53,847

LIKELY TO BE A STRATEGY.

2519

01:40:53,914 --> 01:40:55,416

COMMERCIAL INNOVATORS.

2520

01:40:55,482 --> 01:40:58,252

THOSE WITH THE INNOVATIVE IDEAS

2521

01:40:58,318 --> 01:41:00,954

AWAIT THE LONGEST TIME OF

2522

01:41:01,021 --> 01:41:03,123

APPROVAL.

2523

01:41:03,190 --> 01:41:10,264

AS THEY LANGUISH.

2524

01:41:10,330 --> 01:41:11,598

MANY OF THE REMEDIES ARE KNOWN

2525

01:41:11,665 --> 01:41:15,335

TODAY THAT WE NEED TO SHORTEN

2526

01:41:15,402 --> 01:41:22,543
LICENSING TIMELINES, AND

2527

01:41:22,609 --> 01:41:23,710
REGULATIONS MUST ALSO TAKE INTO

2528

01:41:23,777 --> 01:41:25,112
ACCOUNT THE OTHER TECHNOLOGIES

2529

01:41:25,179 --> 01:41:27,281
THAT ARE COMING FORWARD IN THE

2530

01:41:27,347 --> 01:41:32,186
MARKET SUCH AS DRONES AND HIGH

2531

01:41:32,252 --> 01:41:33,620
ALTITUDE AIR VEHICLES.

2532

01:41:33,687 --> 01:41:35,889
IT'S MOVING FROM A TRADITIONAL

2533

01:41:35,956 --> 01:41:38,292
AEROSPACE CAPABILITY AFFECTING A

2534

01:41:38,358 --> 01:41:39,760
SMALL NUMBER OF IMPORTANT

2535

01:41:39,827 --> 01:41:41,295
DECISIONS TO INFORMATION

2536

01:41:41,361 --> 01:41:42,663
CAPABILITY AFFECTING THOUSANDS

2537

01:41:42,729 --> 01:41:44,231
OF DECISIONS EVERY SINGLE DAY.

2538

01:41:44,298 --> 01:41:47,701

EVEN AS WE WORK TO IMPROVE THE

2539

01:41:47,768 --> 01:41:51,171

ENVIRONMENT OF U.S. COMMERCIAL

2540

01:41:51,238 --> 01:41:56,376

FIRMS, NEW PRIVACY AND FOREIGN

2541

01:41:56,443 --> 01:41:58,345

TRADE BARRIERS WILL HAVE TO BE

2542

01:41:58,412 --> 01:42:00,481

INCORPORATED INTO OUR THINKING.

2543

01:42:00,547 --> 01:42:04,318

THE 25 YEAR CASE STUDY PROVIDES

2544

01:42:04,384 --> 01:42:05,285

IMPORTANT LESSONS OF HOW TO

2545

01:42:05,352 --> 01:42:08,155

THINK ABOUT THE SPACE COMMERCE

2546

01:42:08,222 --> 01:42:08,655

PURSUIITS.

2547

01:42:08,722 --> 01:42:11,091

WE NEED TO DO A BETTER JOB OF

2548

01:42:11,158 --> 01:42:12,059

LEARNING LESSONS ACROSS THE

2549

01:42:12,125 --> 01:42:16,463

BOARD IN AREAS LIKE KATE AT A

2550

01:42:16,530 --> 01:42:17,598

RIGHTS LICENSING AND PROTECTION.

2551
01:42:17,664 --> 01:42:21,001
WE NEED TO DO A BETTER JOB OF

2552
01:42:21,068 --> 01:42:23,403
CAPABILITIES COMING IN THE

2553
01:42:23,470 --> 01:42:25,606
MARKET.

2554
01:42:25,672 --> 01:42:27,975
OF WE'VE DONE WELL IN EXAMPLES

2555
01:42:28,041 --> 01:42:31,245
LIKE NON-EARTH IMAGING AND

2556
01:42:31,311 --> 01:42:32,312
SPATIAL AWARENESS.

2557
01:42:32,379 --> 01:42:35,616
FINALLY WE NEED TO ENCOURAGE

2558
01:42:35,682 --> 01:42:42,923
STRONG COLLABORATION ON GLOBAL

2559
01:42:42,990 --> 01:42:44,157
COMPETITION, AND EMERGING

2560
01:42:44,224 --> 01:42:46,727
SOURCES OF INNOVATION.

2561
01:42:46,793 --> 01:42:47,694
THE U.S. GOVERNMENT CANNOT BE

2562
01:42:47,761 --> 01:42:49,363
THE ONLY SOURCE OF GOOD IDEAS OF

2563
01:42:49,429 --> 01:42:53,033

HOW TO REGULATE ON COMPLEX

2564

01:42:53,100 --> 01:42:54,334

ISSUES ON SPACE TRAFFIC

2565

01:42:54,401 --> 01:42:54,868

MANAGEMENT.

2566

01:42:54,935 --> 01:42:57,037

TO CLOSE U.S. GOVERNMENT AND

2567

01:42:57,104 --> 01:42:58,205

INDUSTRY ROLES ARE CHANGING SO

2568

01:42:58,272 --> 01:43:01,174

WE DO NEED TO THINK ABOUT NEW

2569

01:43:01,241 --> 01:43:05,012

STRATEGIES TO ADVANCE POLICY

2570

01:43:05,078 --> 01:43:05,946

REGULATORY MECHANISMS.

2571

01:43:06,013 --> 01:43:07,414

WE RECOGNIZE THAT U.S.

2572

01:43:07,481 --> 01:43:09,383

LEADERSHIP IS AS MUCH ABOUT

2573

01:43:09,449 --> 01:43:11,251

SHAPING THE GLOBAL ENVIRONMENT

2574

01:43:11,318 --> 01:43:13,787

AND SETTING STANDARDS, AND

2575

01:43:13,854 --> 01:43:15,055

ENCOURAGING PARTNERSHIPS AS IT

2576

01:43:15,122 --> 01:43:17,257

IS ABOUT BEING FIRST IN SPACE,

2577

01:43:17,324 --> 01:43:19,192

AND HOW WE ULTIMATELY USE THE

2578

01:43:19,259 --> 01:43:20,627

DATA IN THOUSANDS OF

2579

01:43:20,694 --> 01:43:22,095

APPLICATIONS ON THE GROUND EVERY

2580

01:43:22,162 --> 01:43:22,396

DAY.

2581

01:43:22,462 --> 01:43:25,966

AS IN SO MANY OTHER TECHNOLOGY

2582

01:43:26,033 --> 01:43:28,101

INNOVATION AREAS BOTH PAST AND

2583

01:43:28,168 --> 01:43:29,870

PRESENT, OURS MUST BE A GAIN OF

2584

01:43:29,937 --> 01:43:31,939

MOVING FORWARD, AND NOT PLAYING

2585

01:43:32,005 --> 01:43:32,272

DENSE.

2586

01:43:32,339 --> 01:43:33,774

THANK YOU, AND I'LL LOOK FORWARD

2587

01:43:33,840 --> 01:43:36,243

TO YOUR QUESTIONS.

2588

01:43:36,310 --> 01:43:36,910

>> THANK YOU.

2589

01:43:36,977 --> 01:43:41,315

VERY WELL DONE.

2590

01:43:41,381 --> 01:43:43,116

[APPLAUSE]

2591

01:43:43,183 --> 01:43:48,755

THANK YOU FOR BEING WITH US.

2592

01:43:48,822 --> 01:43:49,556

>> MR. VICE PRESIDENT, I'M

2593

01:43:49,623 --> 01:43:52,859

HONORED TO BE HERE IN THIS

2594

01:43:52,926 --> 01:43:54,161

EXTRAORDINARY VENUE.

2595

01:43:54,227 --> 01:44:01,368

SIA IS AN U.S. TRADE ASSOCIATION

2596

01:44:01,435 --> 01:44:04,805

FOR OPERATORS, MANUFACTURERS,

2597

01:44:04,871 --> 01:44:07,341

AND WE SERVE CIVIL AND MILITARY

2598

01:44:07,407 --> 01:44:07,741

MARKETS.

2599

01:44:07,808 --> 01:44:09,610

I WOULD LIKE TO TAKE THIS

2600

01:44:09,676 --> 01:44:10,544

OPPORTUNITY TO FOCUS ON THREE

2601
01:44:10,611 --> 01:44:13,447
AREAS, INNOVATION, SPECTRUM

2602
01:44:13,513 --> 01:44:15,582
CERTAINTY AND SUSTAINABLE SPACE

2603
01:44:15,649 --> 01:44:16,183
OPERATIONS.

2604
01:44:16,249 --> 01:44:18,752
TODAY THE SATELLITE INDUSTRY

2605
01:44:18,819 --> 01:44:19,920
SUPPORTS 211,000 U.S. JOBS,

2606
01:44:19,987 --> 01:44:22,356
INCLUDING TENS OF THOUSANDS OF

2607
01:44:22,422 --> 01:44:24,491
WELL-PAYING MANUFACTURING

2608
01:44:24,558 --> 01:44:25,025
POSITIONS.

2609
01:44:25,092 --> 01:44:27,294
THE SATELLITE INDUSTRY'S 2017

2610
01:44:27,361 --> 01:44:33,500
ESTIMATED REVENUE WAS

2611
01:44:33,567 --> 01:44:34,134
\$260.5 BILLION.

2612
01:44:34,201 --> 01:44:36,937
WHICH DOES NOT REFLECT REVENUES

2613
01:44:37,004 --> 01:44:38,972

BY MANY BUSINESSES MADE POSSIBLE

2614

01:44:39,039 --> 01:44:41,475

BY OUR SERVICES.

2615

01:44:41,541 --> 01:44:43,043

ENABLING THE AMERICAN ECONOMY IN

2616

01:44:43,110 --> 01:44:46,413

WAYS CONSUMERS MIGHT NOT BE

2617

01:44:46,480 --> 01:44:46,847

AWARE.

2618

01:44:46,913 --> 01:44:48,081

BEYOND STRICTLY FINANCIAL

2619

01:44:48,148 --> 01:44:52,085

METRICS, HOWEVER, OUR VERY WAY 6

2620

01:44:52,152 --> 01:44:53,787

LIFE DEPENDS ON THE BENEFITS WE

2621

01:44:53,854 --> 01:44:54,821

RECEIVE FROM THE SATELLITE

2622

01:44:54,888 --> 01:44:55,622

APPLICATIONS.

2623

01:44:55,689 --> 01:44:58,091

SATELLITES, COMMUNICATIONS,

2624

01:44:58,158 --> 01:44:59,826

EARTH OBSERVATION AND POSITION

2625

01:44:59,893 --> 01:45:01,461

NAVIGATION AND TIMING HAVE

2626
01:45:01,528 --> 01:45:03,397
TRANSFORMED HOW WE'LL

2627
01:45:03,463 --> 01:45:05,799
COMMUNICATE, HOW WE NAVIGATE AND

2628
01:45:05,866 --> 01:45:06,833
SEE A WORLD.

2629
01:45:06,900 --> 01:45:09,703
HOW WE PRODUCE FOOD AND ENERGY,

2630
01:45:09,770 --> 01:45:12,272
CONDUCT BAKING, PREDICT THE

2631
01:45:12,339 --> 01:45:13,373
WEATHER, INSURE NATIONAL

2632
01:45:13,440 --> 01:45:15,375
SECURITY AND SO MUCH MORE.

2633
01:45:15,442 --> 01:45:20,080
THE UBIQUITY SATELLITE COVERAGE

2634
01:45:20,147 --> 01:45:21,815
PROVIDES ACCESS ACROSS THE GLOBE

2635
01:45:21,882 --> 01:45:23,116
THAT OTHERWISE WOULD BE

2636
01:45:23,183 --> 01:45:27,020
UNREACHABLE, PROVIDING SATELLITE

2637
01:45:27,087 --> 01:45:29,723
COMMUNICATION SERVICES TO

2638
01:45:29,790 --> 01:45:32,459

SCIENTISTS AT THE SOUTH POLE AND

2639

01:45:32,526 --> 01:45:35,562

PROVEN CRITICAL IN AREAS OF

2640

01:45:35,629 --> 01:45:42,202

NATIONAL DISASTERS.

2641

01:45:42,269 --> 01:45:43,770

SATELLITE IMAGERY ALLOWING FOR

2642

01:45:43,837 --> 01:45:46,339

THE SURVEY OF DAMAGE NOT JUST BY

2643

01:45:46,406 --> 01:45:48,408

MANAGEMENT OFFICIALS BUT BY

2644

01:45:48,475 --> 01:45:50,043

AVERAGE CITIZENS FROM ACROSS THE

2645

01:45:50,110 --> 01:45:50,544

GLOBE.

2646

01:45:50,610 --> 01:45:52,112

ALL OF THE GREAT THROUGHGS WE'VE

2647

01:45:52,179 --> 01:45:54,314

SEEN BECAUSE OF SATELLITE

2648

01:45:54,381 --> 01:45:57,184

TECHNOLOGY SHOULD NOT BE TAKEN

2649

01:45:57,250 --> 01:45:58,518

FOR GRANTED.

2650

01:45:58,585 --> 01:45:59,786

IT DEPENDS ON OUR INDUSTRY'S

2651
01:45:59,853 --> 01:46:01,321
ABILITY TO ACCESS SPECTRUM.

2652
01:46:01,388 --> 01:46:03,323
IN ORDER TO SUSTAIN AND MEET THE

2653
01:46:03,390 --> 01:46:05,125
GROWING DEMAND FOR SATELLITE

2654
01:46:05,192 --> 01:46:07,094
SERVICES WE ENCOURAGE REGULATORS

2655
01:46:07,160 --> 01:46:09,096
TO CONTINUE ALLOCATION OF

2656
01:46:09,162 --> 01:46:12,999
SATELLITE USE BOTH DOMESTICALLY

2657
01:46:13,066 --> 01:46:15,936
AND U.S. SUPPORT AT THE WORLD

2658
01:46:16,002 --> 01:46:18,205
COMMUNICATIONS CONFERENCE.

2659
01:46:18,271 --> 01:46:19,439
REGULATORY STREAMLINING AND

2660
01:46:19,506 --> 01:46:21,041
CERTAINTY ARE CRITICAL FOR THE

2661
01:46:21,108 --> 01:46:22,309
ADVANCEMENT OF NEW TECHNOLOGIES

2662
01:46:22,375 --> 01:46:23,376
IN THE INDUSTRY.

2663
01:46:23,443 --> 01:46:26,079

WITH PLANS TO LAUNCH SATELLITES

2664

01:46:26,146 --> 01:46:27,314

CONSTELLATIONS OF HUNDREDS IF

2665

01:46:27,380 --> 01:46:29,216

NOT THOUSANDS OF SATELLITES OVER

2666

01:46:29,282 --> 01:46:31,618

THE NEXT DECADE, IT IS CRUCIAL

2667

01:46:31,685 --> 01:46:34,221

THAT REGULATION BE ADAPTABLE TO

2668

01:46:34,287 --> 01:46:36,223

NEW TECHNOLOGIES.

2669

01:46:36,289 --> 01:46:38,525

FINALLY SUSTAINABLE DEVELOPMENT

2670

01:46:38,592 --> 01:46:40,293

MUST BE AT THE HEART OF

2671

01:46:40,360 --> 01:46:41,795

INNOVATIONS AND ADVANCEMENTS OF

2672

01:46:41,862 --> 01:46:44,464

THE SATELLITE INDUSTRY.

2673

01:46:44,531 --> 01:46:45,766

AS A SHARED NATIONAL RESOURCE IT

2674

01:46:45,832 --> 01:46:47,200

IS OUR RESPONSIBILITY TO MAKE

2675

01:46:47,267 --> 01:46:50,637

SURE THAT WE PROTECT SPACE AND

2676
01:46:50,704 --> 01:46:53,373
INSURE ITS AVAILABILITY FOR USE

2677
01:46:53,440 --> 01:46:54,541
BY FUTURE GENERATIONS.

2678
01:46:54,608 --> 01:46:55,976
THANK YOU, AND I LOOK FORWARD TO

2679
01:46:56,042 --> 01:46:56,910
YOUR QUESTIONS.

2680
01:46:56,977 --> 01:46:57,778
>> THANK YOU VERY MUCH.

2681
01:46:57,844 --> 01:46:58,478
WELL DONE.

2682
01:46:58,545 --> 01:47:02,482
APPRECIATE IT.

2683
01:47:02,549 --> 01:47:03,016
[APPLAUSE]

2684
01:47:03,083 --> 01:47:05,352
>> THE COALITION FOR DEEP SPACE

2685
01:47:05,418 --> 01:47:07,087
EXPLORATION, AND WE'RE GRATEFUL

2686
01:47:07,154 --> 01:47:08,021
FOR YOU HERE.

2687
01:47:08,088 --> 01:47:12,225
>> THANK YOU, MR. VICE

2688
01:47:12,292 --> 01:47:12,826

PRESIDENT.

2689

01:47:12,893 --> 01:47:15,495

MEMBERS OF THE COUNCIL, THANK

2690

01:47:15,562 --> 01:47:20,500

YOU FOR INVITING ME TO SPEAK.

2691

01:47:20,567 --> 01:47:22,502

ENTREPRENEURIAL INNOVATION ARE

2692

01:47:22,569 --> 01:47:24,171

WITHOUT DOUBT ENGINES FOR

2693

01:47:24,237 --> 01:47:25,305

ECONOMIC DEVELOPMENT IN SPACE.

2694

01:47:25,372 --> 01:47:27,774

BEGINNING WITH LOWER ORBIT AND

2695

01:47:27,841 --> 01:47:30,477

EXPANDING TOWARDS THE MOON.

2696

01:47:30,544 --> 01:47:31,244

AT THE SAME TIME GOVERNMENT

2697

01:47:31,311 --> 01:47:32,145

PROGRAMS SUCH AS THE SPACE

2698

01:47:32,212 --> 01:47:35,949

LAUNCH SYSTEM, THE GROUND SYSTEM

2699

01:47:36,016 --> 01:47:37,250

TO SUPPORT GOVERNMENT AND

2700

01:47:37,317 --> 01:47:41,721

INDUSTRY PROVIDE MUCH-NEEDED

2701
01:47:41,788 --> 01:47:42,722
INFRASTRUCTURE FOR FURTHER

2702
01:47:42,789 --> 01:47:43,590
ECONOMIC DEVELOPMENT.

2703
01:47:43,657 --> 01:47:44,925
THEY MAINTAIN PURPOSE AS A

2704
01:47:44,991 --> 01:47:48,528
SIGNAL TO OTHER GOVERNMENTS TO

2705
01:47:48,595 --> 01:47:56,603
THE U.S.

2706
01:47:56,670 --> 01:47:58,905
IT IS CRUCIAL, I WOULD LIKE TO

2707
01:47:58,972 --> 01:48:01,374
SUGGEST ACQUISITION REFORM.

2708
01:48:01,441 --> 01:48:05,011
THE FISCAL PROBLEMATIC REPORTING

2709
01:48:05,078 --> 01:48:13,119
MANAGEMENT PROGRAM AT THE OFTEN

2710
01:48:13,186 --> 01:48:16,690
GLACIAL PACE, WHAT SINGLE THING

2711
01:48:16,756 --> 01:48:19,492
COULD ADVANCE THE EXPLORATION OF

2712
01:48:19,559 --> 01:48:23,964
SPACE, FAR .0.

2713
01:48:24,030 --> 01:48:27,300

THE SLOW NURTURE CREATE BARRIERS

2714

01:48:27,367 --> 01:48:29,002

TO TECHNOLOGICAL ADVANCEMENT

2715

01:48:29,069 --> 01:48:31,071

POSING A THREAT TO OUR POSITION

2716

01:48:31,137 --> 01:48:32,405

IN SPACE.

2717

01:48:32,472 --> 01:48:34,107

THIS DOES NOT MEAN THAT

2718

01:48:34,174 --> 01:48:37,644

CONTRACTING SHOULD BE ABANDONED.

2719

01:48:37,711 --> 01:48:40,647

LARGE SCALE DEVELOPMENT PROGRAMS

2720

01:48:40,714 --> 01:48:42,849

PROVIDE STABILITY AND PROVIDES

2721

01:48:42,916 --> 01:48:44,618

SUSTAINMENT OVER THE YEARS AND

2722

01:48:44,684 --> 01:48:46,186

DECADES OFTEN REQUIRED FOR THESE

2723

01:48:46,253 --> 01:48:46,686

PROGRAMS.

2724

01:48:46,753 --> 01:48:49,322

THAT SAID THE MEANS TO LEAD THE

2725

01:48:49,389 --> 01:48:50,991

STARTING GATE WITH FAR NOR

2726
01:48:51,057 --> 01:48:55,195
AGILITY THAT CURRENTLY EXIST, AS

2727
01:48:55,262 --> 01:48:58,765
WELL AS ACCOUNTABILITY AND THE

2728
01:48:58,832 --> 01:49:00,634
PRIMARY INTEREST AND REFORM.

2729
01:49:00,700 --> 01:49:01,935
OTHER TRANSACTION.

2730
01:49:02,002 --> 01:49:05,205
AGREEMENTS OR OTAs PROVIDE AN

2731
01:49:05,272 --> 01:49:07,007
ADDITIONAL APPROACH.

2732
01:49:07,073 --> 01:49:09,576
OTAs PROVIDE FLEXIBILITY BUT

2733
01:49:09,643 --> 01:49:12,779
SPREES RISK OF REDUCED

2734
01:49:12,846 --> 01:49:14,214
ACCOUNTABILITY AND AM REDUCED

2735
01:49:14,281 --> 01:49:14,781
TRANSPARENCY.

2736
01:49:14,848 --> 01:49:20,587
THEY'RE RELATIVELY OF LOW VALUE.

2737
01:49:20,654 --> 01:49:26,726
THE DURING THIS, THE GOVERNMENT

2738
01:49:26,793 --> 01:49:28,128

HAS LEFT DEVELOPMENT IN THE

2739

01:49:28,194 --> 01:49:31,231

HANDS OF PRIVATE ENTERPRISE.

2740

01:49:31,298 --> 01:49:35,936

THE RESULTING SYSTEMS WERE AT

2741

01:49:36,002 --> 01:49:37,037

MUCH RED CROSS THAN CREDIT WOULD

2742

01:49:37,103 --> 01:49:38,238

HAVE ACHIEVED.

2743

01:49:38,305 --> 01:49:42,208

THE STORIES IS LESS CLEAR AS WE

2744

01:49:42,275 --> 01:49:43,710

HAVE A BALANCE OF GOVERNMENT

2745

01:49:43,777 --> 01:49:46,680

INSIGHT AND RISK TO HUMAN LIVES.

2746

01:49:46,746 --> 01:49:50,317

CONTINUE TO BE INNOVATIVE: I

2747

01:49:50,383 --> 01:49:53,987

TURNED TO.

2748

01:49:54,054 --> 01:50:01,962

THREES, WHICH P 3s TAKE MANY

2749

01:50:02,028 --> 01:50:03,263

FORMS.

2750

01:50:03,330 --> 01:50:06,700

THE SUCCESS OF P 30'S ARE HINGE.

2751
01:50:06,766 --> 01:50:11,037
ED ON INFORMED RISKS.

2752
01:50:11,104 --> 01:50:14,040
A REALISTIC BUSINESS CASE, AN

2753
01:50:14,107 --> 01:50:14,908
INDISPENSABLE REQUIREMENT, AND

2754
01:50:14,975 --> 01:50:18,478
MEANS TO INCENTIVIZE BUSINESS

2755
01:50:18,545 --> 01:50:20,113
WITH THE PUBLIC INTEREST.

2756
01:50:20,180 --> 01:50:22,248
AS THE PASS FORWARD, P 3s

2757
01:50:22,315 --> 01:50:23,383
CARRY MUCH PROCESS.

2758
01:50:23,450 --> 01:50:27,654
BUT AS ON EARTH THEY REQUIRE A

2759
01:50:27,721 --> 01:50:30,123
CAREFULLY THOUGHT OUT SET OF

2760
01:50:30,190 --> 01:50:31,791
REQUIREMENTS AND OBJECTIVES.

2761
01:50:31,858 --> 01:50:35,595
EACH OF THESE MODELS ATTEMPT TO

2762
01:50:35,662 --> 01:50:38,031
BALANCE RISK, COST AND MISSION

2763
01:50:38,098 --> 01:50:39,265

OBJECTIVES IN DIFFERENT WAYS.

2764

01:50:39,332 --> 01:50:40,900

I CAN'T SAY THIS STRONGLY

2765

01:50:40,967 --> 01:50:41,868

ENOUGH.

2766

01:50:41,935 --> 01:50:43,737

DECISIONS WITH REGARDING WHICH

2767

01:50:43,803 --> 01:50:46,172

APPROACH IS BEST FOR A GIVEN

2768

01:50:46,239 --> 01:50:49,576

OBJECTIVE CAN BE ADDRESSED

2769

01:50:49,642 --> 01:50:52,512

IDEOLOGICAL WHETHER POLITICAL OR

2770

01:50:52,579 --> 01:50:55,448

PHILOSOPHICAL BUT RATHER A

2771

01:50:55,515 --> 01:50:58,418

FRAMEWORK THAT ENCOURAGES

2772

01:50:58,485 --> 01:50:59,052

PRIVATE INVESTMENT AND

2773

01:50:59,119 --> 01:51:01,154

MARKETABLE SOLUTIONS AND ADAPT

2774

01:51:01,221 --> 01:51:02,589

TO ALWAYS CHANGING REALITIES

2775

01:51:02,655 --> 01:51:03,890

SHOULD BE OUR COLLECTIVE GOAL.

2776
01:51:03,957 --> 01:51:04,557
THANK YOU.

2777
01:51:04,624 --> 01:51:12,632
[APPLAUSE]

2778
01:51:12,699 --> 01:51:13,266
>> THANK YOU.

2779
01:51:13,333 --> 01:51:15,335
VERY WELL DONE.

2780
01:51:15,402 --> 01:51:18,738
AND LET ME MAYBE ASK A QUESTION

2781
01:51:18,805 --> 01:51:19,472
OF THE PANEL.

2782
01:51:19,539 --> 01:51:22,008
I HAVE A FEELING I'M GOING TO

2783
01:51:22,075 --> 01:51:24,477
GET WORD THAT WE NEED TO BE

2784
01:51:24,544 --> 01:51:28,782
MOVING TO OUR NEXT APPOINTMENT.

2785
01:51:28,848 --> 01:51:31,751
BUT MAYBE I CAN START WITH YOU,

2786
01:51:31,818 --> 01:51:33,353
DOCTOR, GIVEN YOUR EXTENSIVE

2787
01:51:33,420 --> 01:51:36,589
EXPERIENCE ON THE SPACE STATION,

2788
01:51:36,656 --> 01:51:39,059

THE PRESIDENT HAS ANNOUNCED OUR

2789

01:51:39,125 --> 01:51:42,429

PLAN TO TRANSITION TO A

2790

01:51:42,495 --> 01:51:47,067

DIFFERENT MODEL ONE OF OUR

2791

01:51:47,133 --> 01:51:49,936

PREVIOUS PANELISTS SAID, I

2792

01:51:50,003 --> 01:51:52,205

THOUGHT RATHER INSIGHTFULLY

2793

01:51:52,272 --> 01:51:55,875

WHERE WE WOULD TRANSITION THE

2794

01:51:55,942 --> 01:51:57,377

GOVERNMENT TO MORE TENANT AND

2795

01:51:57,444 --> 01:51:59,579

CUSTOMER RATHER THAN LANDLORD.

2796

01:51:59,646 --> 01:52:05,085

SO THAT WE CAN FOCUS ON HUMAN

2797

01:52:05,151 --> 01:52:07,754

EXPLORATION, AND PUSHING THE

2798

01:52:07,821 --> 01:52:08,421

BOUNDARIES.

2799

01:52:08,488 --> 01:52:10,090

SINCE YOU ALL REPRESENT THIS

2800

01:52:10,156 --> 01:52:11,991

INDUSTRY, COULD EACH OF YOU GIVE

2801
01:52:12,058 --> 01:52:17,230
ME ONE MINUTE ON WHERE THE

2802
01:52:17,297 --> 01:52:18,798
OPPORTUNITIES, THE CHALLENGES,

2803
01:52:18,865 --> 01:52:20,133
WHAT SHOULD THIS COUNCIL BE

2804
01:52:20,200 --> 01:52:22,302
AWARE OF AS WE SEEK TO MAKE THAT

2805
01:52:22,368 --> 01:52:22,869
TRANSITION.

2806
01:52:22,936 --> 01:52:24,571
AND DOCTOR, ON THE SPACE

2807
01:52:24,637 --> 01:52:25,805
STATION, YOU HAVE THOUGHT MORE

2808
01:52:25,872 --> 01:52:26,339
ABOUT IT.

2809
01:52:26,406 --> 01:52:30,844
>> I'LL START BY SAYING THAT THE

2810
01:52:30,910 --> 01:52:35,081
DEMAND SIGN IS AS IMPORTANT AS

2811
01:52:35,148 --> 01:52:36,382
IN THIS CASE.

2812
01:52:36,449 --> 01:52:37,550
DEVELOPING, FINDING ADDITIONAL

2813
01:52:37,617 --> 01:52:38,852

WAYS THAT HAVE BEEN DISCUSSED

2814

01:52:38,918 --> 01:52:40,920

BUT MANY OTHER WAYS TO ENCOURAGE

2815

01:52:40,987 --> 01:52:42,355

DEMAND TO DEVELOP ESPECIALLY

2816

01:52:42,422 --> 01:52:44,190

LOWER ORBITS IS CRITICAL.

2817

01:52:44,257 --> 01:52:46,159

WE NEED TO ESTABLISH SOME

2818

01:52:46,226 --> 01:52:47,927

CRITERIA FOR THAT TRANSITION.

2819

01:52:47,994 --> 01:52:49,329

THOSE SHOULD INCLUDE READINESS

2820

01:52:49,395 --> 01:52:51,998

TO ASSUME ROLE OF THE COMMERCIAL

2821

01:52:52,065 --> 01:52:53,433

INDUSTRY, AND THERE ARE A NUMBER

2822

01:52:53,500 --> 01:52:55,001

OF EFFORTS UNDER WAY RIGHT NOW.

2823

01:52:55,068 --> 01:52:57,570

AND THE EXPANDED INTERNATIONAL

2824

01:52:57,637 --> 01:52:58,838

COLLABORATION BOTH IN LOWER

2825

01:52:58,905 --> 01:53:00,540

ORBIT AND TOWARDS THE MOON IS

2826
01:53:00,607 --> 01:53:01,207
VERY IMPORTANT.

2827
01:53:01,274 --> 01:53:03,977
THE FRAMEWORK THAT GUIDED THE

2828
01:53:04,043 --> 01:53:05,812
DEVELOPMENT OF THE STATION HAS

2829
01:53:05,879 --> 01:53:09,516
HAPPENED THERE AND THAT'S

2830
01:53:09,582 --> 01:53:10,517
CRITICAL.

2831
01:53:10,583 --> 01:53:13,319
AND TECHNOLOGIES CONTINUE TO BE

2832
01:53:13,386 --> 01:53:14,521
DEVELOPED.

2833
01:53:14,587 --> 01:53:16,489
ENVIRONMENT CONTROL IS VERY

2834
01:53:16,556 --> 01:53:16,923
IMPORTANT.

2835
01:53:16,990 --> 01:53:18,458
ASTRONAUTS LIKE TO BREATHE IN

2836
01:53:18,525 --> 01:53:19,692
DEEP SPACE SO WE SHOULD BE SURE

2837
01:53:19,759 --> 01:53:21,394
WE HAVE A SYSTEM THAT WILL WORK

2838
01:53:21,461 --> 01:53:23,530

OVER LONG PERIOD OF TIME IN DEEP

2839

01:53:23,596 --> 01:53:23,963

SPACE.

2840

01:53:24,030 --> 01:53:26,132

AND THE VEHICLE ITSELF, WHAT IS

2841

01:53:26,199 --> 01:53:28,201

IT CAPABLE OF, AND WHAT DO WE

2842

01:53:28,268 --> 01:53:29,936

WANT TO DO WITH IT.

2843

01:53:30,003 --> 01:53:31,271

>> GOOD INSIGHTS.

2844

01:53:31,337 --> 01:53:34,073

ANYONE ELSE WITH JUST A QUICK

2845

01:53:34,140 --> 01:53:34,440

SHOT.

2846

01:53:34,507 --> 01:53:37,577

>> I WOULD LIKE TO ADDRESS

2847

01:53:37,644 --> 01:53:39,012

PROCUREMENT REFORM.

2848

01:53:39,078 --> 01:53:41,314

VERY OFTEN AS THE MILITARY IS A

2849

01:53:41,381 --> 01:53:42,382

LARGE CUSTOMER OF THE INDUSTRY,

2850

01:53:42,448 --> 01:53:43,883

MAKING THE TRANSITION FROM

2851
01:53:43,950 --> 01:53:45,985
VIEWING THEMSELVES AS PURCHASING

2852
01:53:46,052 --> 01:53:46,886
SATELLITES TO PURCHASING

2853
01:53:46,953 --> 01:53:48,521
SERVICE, AND IN ADDITION TO THE

2854
01:53:48,588 --> 01:53:49,689
SATELLITES THAT THEY HAVE A

2855
01:53:49,756 --> 01:53:50,456
SPECIFIC NEED.

2856
01:53:50,523 --> 01:53:52,659
BUT LOOKING AT HOW THEY CAN

2857
01:53:52,725 --> 01:53:54,961
ACQUIRE SATELLITE SERVICES MORE

2858
01:53:55,028 --> 01:53:58,064
QUICK WOULD BE IMPORTANT.

2859
01:53:58,131 --> 01:53:58,631
>> KEVIN.

2860
01:53:58,698 --> 01:54:01,568
>> JUST BRIEFLY, I THINK

2861
01:54:01,634 --> 01:54:02,902
ANTICIPATING THE KINDS OF

2862
01:54:02,969 --> 01:54:04,437
CAPABILITIES COMING FORWARD IN

2863
01:54:04,504 --> 01:54:07,507

THE MARKET, THE USE OF PUBLIC

2864

01:54:07,574 --> 01:54:09,742

POLICY CONCERNS, ETC. SOMETHING

2865

01:54:09,809 --> 01:54:11,911

NEEDS TO BE DONE PROACTIVELY.

2866

01:54:11,978 --> 01:54:14,013

NOT WAIT NOR SOMEBODY TO SHOW UP

2867

01:54:14,080 --> 01:54:15,448

WITH A NEW CAPABILITY FOR

2868

01:54:15,515 --> 01:54:15,982

LICENSING.

2869

01:54:16,049 --> 01:54:18,418

JUST TO TOUCH ON THERE, THE IDEA

2870

01:54:18,484 --> 01:54:20,553

OF HAVING A SMOOTH TRANSITION

2871

01:54:20,620 --> 01:54:23,056

PLAN, AVOIDING ANY KIND OF GAP,

2872

01:54:23,122 --> 01:54:26,893

AND AVOID UTILIZING THE

2873

01:54:26,960 --> 01:54:29,662

TECHNOLOGY THAT THE COMMERCIAL

2874

01:54:29,729 --> 01:54:32,198

INDUSTRY IS DRIVING WHETHER IT

2875

01:54:32,265 --> 01:54:34,734

BE HABITAT MODULES OR NEW

2876
01:54:34,801 --> 01:54:36,569
SYSTEMS OR EXPERIMENTS THAT ARE

2877
01:54:36,636 --> 01:54:38,004
TAKING PLACE ON THE

2878
01:54:38,071 --> 01:54:40,306
INTERNATIONAL SPACE STATION.

2879
01:54:40,373 --> 01:54:42,242
THERE ARE REMARKABLE

2880
01:54:42,308 --> 01:54:43,943
TECHNOLOGIES BEING DEVELOPED AT

2881
01:54:44,010 --> 01:54:45,311
A RAPID PACE AND WE WANT TO

2882
01:54:45,378 --> 01:54:46,779
SUPPORT THEM THROUGHOUT THE

2883
01:54:46,846 --> 01:54:48,781
TRANSITION OF THE PROCESS.

2884
01:54:48,848 --> 01:54:49,382
>> GREAT.

2885
01:54:49,449 --> 01:54:51,484
JOIN ME IN THANKING THIS

2886
01:54:51,551 --> 01:54:52,385
OUTSTANDING PANEL.

2887
01:54:52,452 --> 01:54:54,520
GREAT INSIGHTS, GREAT OVERVIEW.

2888
01:54:54,587 --> 01:54:55,521

THANK YOU SO MUCH.

2889

01:54:55,588 --> 01:54:56,222

GREAT JOB.

2890

01:54:56,289 --> 01:55:00,159

[APPLAUSE]

2891

01:55:00,226 --> 01:55:02,862

WILL THE MEMBERS OF THE NATIONAL

2892

01:55:02,929 --> 01:55:04,664

SPACE COUNCIL, THIS HAS BEEN A

2893

01:55:04,731 --> 01:55:05,598

GREAT DISCUSSION.

2894

01:55:05,665 --> 01:55:07,634

BEFORE WE ADJOURN, I WOULD LIKE

2895

01:55:07,700 --> 01:55:12,605

TO TASK A FEW ITEMS TO ASSIGN TO

2896

01:55:12,672 --> 01:55:14,641

ADMINISTRATOR LIGHTFOOT.

2897

01:55:14,707 --> 01:55:16,075

I APPRECIATE YOU WORKING WITH

2898

01:55:16,142 --> 01:55:18,811

COMMERCE AND STATE TO DEVELOP A

2899

01:55:18,878 --> 01:55:20,780

STRATEGY TO DEVELOP THE

2900

01:55:20,847 --> 01:55:22,448

FRAMEWORK FOR GREATER

2901
01:55:22,515 --> 01:55:27,987
COOPERATION WITH OUR PRIVATE

2902
01:55:28,054 --> 01:55:30,390
SECTOR PARTNERS, AND OUR

2903
01:55:30,456 --> 01:55:34,560
INTERNATIONAL PARTNERS AS WELL.

2904
01:55:34,627 --> 01:55:36,896
AND I WOULD RECOMMEND YOUR

2905
01:55:36,963 --> 01:55:40,667
RECOMMENDATIONS THIS FALL THAT

2906
01:55:40,733 --> 01:55:41,801
WE CAN FORWARD TO THE PRESIDENT

2907
01:55:41,868 --> 01:55:45,471
IN THE FORM OF A DECISION

2908
01:55:45,538 --> 01:55:45,972
MEMORANDUM.

2909
01:55:46,039 --> 01:55:49,876
WE ALREADY I THINK WE TOUCHED ON

2910
01:55:49,942 --> 01:55:51,344
A NUMBER OF ISSUES IN THE

2911
01:55:51,411 --> 01:55:52,645
PREVIOUS RECOMMENDATION, BUT

2912
01:55:52,712 --> 01:55:57,016
THIS MAN HAS BEEN A GREAT

2913
01:55:57,083 --> 01:55:58,685

AFFIRMATION OVER ALL.

2914

01:55:58,751 --> 01:56:03,423

WE'LL TAKE YOUR COUNCIL ON THIS.

2915

01:56:03,489 --> 01:56:05,325

LET ME THANK ALL THE MEMBERS OF

2916

01:56:05,391 --> 01:56:06,592

THE NATIONAL SPACE COUNCIL,

2917

01:56:06,659 --> 01:56:08,428

ESPECIALLY THE MEMBERS OF THE

2918

01:56:08,494 --> 01:56:10,229

CABINET WHO ARE HERE,

2919

01:56:10,296 --> 01:56:11,698

DISTINGUISHED MEMBERS OF THE

2920

01:56:11,764 --> 01:56:12,999

USER ADVISORY GROUP, I ENCOURAGE

2921

01:56:13,066 --> 01:56:14,500

ALL OF YOU WHO HAVE AN INTEREST

2922

01:56:14,567 --> 01:56:16,069

IN THE WORK OF THE NATIONAL

2923

01:56:16,135 --> 01:56:19,105

SPACE COUNCIL TO AVAIL YOURSELF

2924

01:56:19,172 --> 01:56:21,908

OF THE EXTRAORDINARY WOMEN AND

2925

01:56:21,974 --> 01:56:26,045

MEN WHO HAVE STEPPED FORWARD TO

2926
01:56:26,112 --> 01:56:28,414
OFFER ADVISE AND COUNSEL TO THE

2927
01:56:28,481 --> 01:56:31,050
WORK OF THE NATIONAL SPACE

2928
01:56:31,117 --> 01:56:32,251
COUNCIL.

2929
01:56:32,318 --> 01:56:35,755
I WANT TO THANK THE

2930
01:56:35,822 --> 01:56:37,890
EXTRAORDINARY MEN AND WOMEN OF

2931
01:56:37,957 --> 01:56:39,158
THE KENNEDY SPACE CENTER FOR

2932
01:56:39,225 --> 01:56:41,294
THEIR HOSPITALITY, AND TO EACH

2933
01:56:41,361 --> 01:56:42,862
AND EVERY ONE OF YOU, THANK YOU

2934
01:56:42,929 --> 01:56:44,564
FOR YOUR GREAT INTEREST IN THIS.

2935
01:56:44,630 --> 01:56:46,065
THE WORK WILL CONTINUE, AND

2936
01:56:46,132 --> 01:56:48,101
AMERICA IS LEADING IN SPACE

2937
01:56:48,167 --> 01:56:48,568
AGAIN.

2938
01:56:48,634 --> 01:56:49,502

THANKS TO ALL OF YOU.

2939

01:56:49,569 --> 01:56:51,571

THANK YOU, GOD BLESS YOU.