



1
00:00:01,180 --> 00:00:05,839
>>> GOOD AFTERNOON ERCHL.
I AM DANNY AND WELCOME TO NASA

2
00:00:05,839 --> 00:00:12,030
JOHNSON SPACE CENTER.
WE GATHERED HERE TO MAKE AN

3
00:00:12,030 --> 00:00:17,820
ANNOUNCEMENT.
AS YOU CAN SEE I AM JOINED BY

4
00:00:17,820 --> 00:00:25,190
THE DIRECTOR HERE AT JOHN SAN
SPACE CENTER.

5
00:00:25,190 --> 00:00:31,570
KURT THE INTERNATIONAL SPACE
PROGRAM MANAGER AND THE CHIEF

6
00:00:31,570 --> 00:00:34,079
SCIENTISTS FOR THE SPACE STATION
PROGRAM.

7
00:00:34,079 --> 00:00:37,020
NOW EACH PARTICIPANT IS GOING TO
MAKE OPENING REMARKS, AND THEN

8
00:00:37,020 --> 00:00:40,530
WE WILL OPEN IT UP FOR THE
QUESTION HERE IN THE ROOM AND

9
00:00:40,530 --> 00:00:44,010
THEN ON THE PHONE.
WITH THAT I WILL HAND IT OVER TO

10
00:00:44,010 --> 00:00:46,410
THE DOCTOR TO KIKT OFF.
>> THANK YOU.

11
00:00:46,410 --> 00:00:53,579
I WOULD LIKE TO WELCOME YOU ALL
AND FOR THOSE OF ROW WATCHING ON

12
00:00:53,579 --> 00:00:57,090
NASA TV AND LISTENING TO US ON
THE PHONE.

13
00:00:57,090 --> 00:00:59,600
THANK YOU FOR JOINING US FOR AN
IMPORTANT ANNOUNCEMENT.

14
00:00:59,600 --> 00:01:04,940
THEY'RE ADMITTED FOR ADVANCING
SPACE FLIGHT AND IT'S AT THE

15
00:01:04,940 --> 00:01:11,530
HEART OF THE MISSION.
WE MUST BE MEAN AND ADAPTABLE TO

16
00:01:11,530 --> 00:01:17,040
CHANGE.
THIS IS APPLIED TO EVERY FASSETT

17
00:01:17,040 --> 00:01:21,640
THAT WE TOUCH TODAY FROM THE
INTERNATIONAL SPACE STATION TO

18
00:01:21,640 --> 00:01:25,230
THE VARIOUS TECHNOLOGY PROGRAMS
THAT ARE LAYING THE GROUND WORK

19
00:01:25,230 --> 00:01:33,270
FOR OUR JOURNEY TO MARS.
FOR MORE THAN 15 YEARS IS A

20
00:01:33,270 --> 00:01:39,020
LABORATORY ADVANCE THAT WILL
ENABLE FUTURE EXPLORATION AND

21
00:01:39,020 --> 00:01:41,650
BENEFIT THE LIVES OF PEOPLE ON
EARTH.

22
00:01:41,650 --> 00:01:45,280
A LOT OF WORK IS DONE BY MANY
TALENTED PEOPLE INSIDE AND

23
00:01:45,280 --> 00:01:48,720
OUTSIDE OF NASA TO GET THE MOST
OUT OF THIS ONE OF A FIELD

24
00:01:48,720 --> 00:01:52,500
FACILITY.
IT'S A BLUEPRINT FOR A GLOBAL

25
00:01:52,500 --> 00:01:59,740
COOPERATION AND THE PARTNERSHIP
AGENCIES WORKING TO COMMON GOAL

26
00:01:59,740 --> 00:02:02,730
AND THE NEW COMMERCIAL SPAGS
MARKET IS CONTINUING TO TAKE

27
00:02:02,730 --> 00:02:05,990
SHAPE.
A DESTINATION FOR THE COMMERCIAL

28
00:02:05,990 --> 00:02:10,719
SCIENTIFIC RESEARCH, TECHNOLOGY
DEVELOPMENT AND HUMAN AND CARGO

29
00:02:10,719 --> 00:02:14,249
TRANSPORTATION.
WITH THAT, WE'RE SEEING THE NEXT

30
00:02:14,249 --> 00:02:21,859
CHAPTER IN THE PARTNERSHIP TO
ENSURE THAT NASA MAINTAINS THE

31
00:02:21,859 --> 00:02:25,129
ABILITY TO RESUPPLY THE SPACE
STATION THROUGH THE UNITED

32
00:02:25,129 --> 00:02:29,559
STATES THROUGH 2024.
>> ALL RIGHT.

33
00:02:29,559 --> 00:02:31,560
THANK YOU ELLEN.
WITH THAT I AM GOING HAND IT

34
00:02:31,560 --> 00:02:36,069
OVER TO SAM.
HE IS THE DIRECTOR OF THE NASA

35
00:02:36,069 --> 00:02:40,340
SPACE DIVISION AND JOINING US
HERE IN HOUSTON.

36
00:02:40,340 --> 00:02:42,310
THANKS DAN, OVER TO YOU.
>> THANK YOU.

37
00:02:42,310 --> 00:02:46,920
FIRST OF ALL, IT'S GOOD TO BE
HERE TO ANNOUNCE THE AWARDS FOR

38
00:02:46,920 --> 00:02:50,049
THE CRS 2.
SEVEN YEARS AGO WHEN THEY

39
00:02:50,049 --> 00:02:55,779
ANNOUNCED THE CONTRACTS AND
SPACE X, WE ENTER INTRODUCED A

40
00:02:55,779 --> 00:03:00,659
NEW WAY OF DOING BUSINESS AND
THEN THE ADVANCE OF THE ARROW

41
00:03:00,659 --> 00:03:05,579
SPACE AND THEN THE COMMERCIAL
PRAS CONTRACTING.

42
00:03:05,579 --> 00:03:10,510
TODAY THE PROVIDERS HAVE
DELIVERED OVER 35,000 POUND

43
00:03:10,510 --> 00:03:13,960
APPROXIMATES OF RESEARCH, CREW
AND MAINTENANCE TO THE HARDWARE

44
00:03:13,960 --> 00:03:17,359
AND SPACE STATION.
IT HAS NOT BEEN EASY BY ANY

45
00:03:17,359 --> 00:03:20,510
MEASURE.
BOTH OF THE PROVIDERS HAVE THE

46
00:03:20,510 --> 00:03:24,900
LAUNCH FAILURES AND ARE IN THE
PROCESS OF RECOVERY.

47
00:03:24,900 --> 00:03:29,780
NASA AND THE PARTNERS HAVE
LEARNED FROM THE FAILURES AND

48
00:03:29,780 --> 00:03:33,919
THE RECOVERY TO FLIGHT.
LOOKING FORWARD TO CONTINUING

49
00:03:33,919 --> 00:03:37,669
THE CARGO TO THE SPACE STATION
AND THEN THROUGH THE COMMERCIAL

50
00:03:37,669 --> 00:03:41,870
AND CREW INDUSTRY TO DELIVER
AMERICAN AND INTERNATIONAL CREW

51
00:03:41,870 --> 00:03:45,419
MEMBERS TO THE SPACE STATION
FROM THE UNITED STATES.

52
00:03:45,419 --> 00:03:52,540
WE'RE TAKING AN ADVANTAGE AND
LEVERAGING THE MECHANISMS AND

53
00:03:52,540 --> 00:03:56,589
NASA IS GOING TO FOCUS THE
RESOURCES ON EXPANDING THE HUMAN

54
00:03:56,589 --> 00:04:03,219
AND DEEP SPACE AND THEN THE
JOURNEY TO MARS.

55
00:04:03,219 --> 00:04:06,650
CARGO ALONG WITH THE COMMERCIAL
CREW ARE THE MAJOR ELEMENTS IN

56
00:04:06,650 --> 00:04:11,349
ENABLING THE GROWTH OF A LOWER
ORBIT COMMERCIAL MARKET

57
00:04:11,349 --> 00:04:14,200
OPPORTUNITY.
BOTH ON THE SUPPLY AND THE

58
00:04:14,200 --> 00:04:16,600
DEMAND SIDE.
A LITTLE BIT LATER YOU JULIE

59
00:04:16,600 --> 00:04:21,660
WILL HIGHLIGHT WHAT'S BEEN
TURNING OVER THE ACCESS TO THE

60
00:04:21,660 --> 00:04:24,240
PRIVATE INDUSTRY.
THE NATIONAL LAB AND VIA THE

61
00:04:24,240 --> 00:04:30,280
CASES IS TAKING ADVANTAGE AND
THAT COMMERCIAL CARGO PROVIDE

62
00:04:30,280 --> 00:04:33,789
ERS HAVE PROVIDED TO REALLY
EXPAND THE PRIVATE AND

63
00:04:33,789 --> 00:04:39,740
NONGOVERNMENT OR NASA GOVERNMENT
USE OR RESEARCH ON BOARD THE

64
00:04:39,740 --> 00:04:42,689
SPACE STATION.
NOW I WOULD LIKE TO ANNOUNCE THE

65
00:04:42,689 --> 00:04:46,270
CRS AWARDEES IF THAT'S OKAY WITH
EVERYONE.

66
00:04:46,270 --> 00:04:59,370
IN ALPHABETICAL ORDER.
FIRST ATK OF DELL LIS, VIRGINIA.

67
00:04:59,370 --> 00:05:05,889
AND SPACE X OF CALIFORNIA.
THESE ARE UPON THE AWARD AND

68
00:05:05,889 --> 00:05:09,880
EACH CONTRACT GUARANTEES A
MINIMUM OF SIX MISSIONS AND

69
00:05:09,880 --> 00:05:26,340
HOWEVER, TODAY WE HAVE NOT
ORDERED NOTIFY THE MISS.

70
00:05:26,340 --> 00:05:36,189
NASA WILL BE ABLE TO TAKE
ADVANTAGE OF THE EXPLORATION AND

71
00:05:36,189 --> 00:05:40,240
THE MARKET AND LOWER URBAN.
>> ALL RIGHT.

72
00:05:40,240 --> 00:05:43,129
THANK YOU STAN.
NOW WE'RE GOING TO GO TO THE

73
00:05:43,129 --> 00:05:47,510
SPACE NATION PROGRAM MANAGER SO
THAT HE CAN SHARE MORE DETAILS

74
00:05:47,510 --> 00:05:51,340
AND THE SERVICE OPTIONS FOR THE
CONTRACT.

75
00:05:51,340 --> 00:05:54,380
>> THANKS.
IT'S GREAT TO BE HERE, AND IT'S

76
00:05:54,380 --> 00:05:58,610
REALLY A PLEASURE TO MAKE THESE
ANNOUNCEMENTS AND GET ON WITH

77
00:05:58,610 --> 00:06:01,129
THE BUSINESS INTERNATIONAL SPACE
STATION.

78
00:06:01,129 --> 00:06:04,379
THE COURSE COLLECTION COMMITTEE
EVALUATED ALL OF THE PROPOSALS

79
00:06:04,379 --> 00:06:12,939
AND BASED ON THAT THE ELECTION
OFFICIALS PICKED THE BEST VALUE

80
00:06:12,939 --> 00:06:20,729
TO MEET THE REQUIREMENTS THE
REASON THAT WE'RE HERE IS NOT TO

81
00:06:20,729 --> 00:06:25,580
TALK ABOUT THE CONTRACT BUT WHAT
THE CONTRACTS ENABLE.

82
00:06:25,580 --> 00:06:28,840
IT'S REALLY IMPORTANT AND VERY
VERY IMPORTANT THAT WE CONTINUE

83
00:06:28,840 --> 00:06:32,780
ON THE WORK THAT WE'RE DOING ON
ISS AND THESE CONTRACTS WILL

84
00:06:32,780 --> 00:06:36,409
ENABLE US TO DO THAT.
SCIENCE AND RESEARCH IN THAT

85
00:06:36,409 --> 00:06:42,879
LABORATORY THAT ONLY WE CAN
EXPLORE OUTSIDE OF THE EARTH ES

86
00:06:42,879 --> 00:06:48,570
GRAVITY.
IT WILL ALLOW US TO ADVANCE IT

87
00:06:48,570 --> 00:06:53,490
DEEPER INTO SPACE AND ALL OF
THESE THINGS ARE ENABLE BY THE

88
00:06:53,490 --> 00:06:56,310
CONTRACTS.
WE USE THE KNOWLEDGE GAINING

89
00:06:56,310 --> 00:07:01,460
FROM THE CRS 1 CONDITION TRACT
AND APPLY THAT KNOWLEDGE TO OUR

90
00:07:01,460 --> 00:07:07,990
REQUIREMENTS FOR CRS 2.
WHEN WE AWARDED THE CRS 1, WE

91
00:07:07,990 --> 00:07:11,740
WERE LEARNING HOW TO OPERATE IS
ISS WITHOUT A SPACE SHUTTLE.

92
00:07:11,740 --> 00:07:17,729
WE HAVE BEEN FLYING THE ISS FOR
A WHILE, AND IT TOOK US A WHILE

93
00:07:17,729 --> 00:07:22,000
TO LEARN THE NEW CONTRACTS AND
HOW TO WRITE THEM APPROPRIATELY.

94
00:07:22,000 --> 00:07:26,640
WE LEARNED A LOT OF TIMES THAT
WE VOLUME OUT AS WE SAY AND FILL

95
00:07:26,640 --> 00:07:30,919
UP THE VOLUME OF THE COMMERCIAL
ONE VEHICLES BUT NOT REALLY USE

96
00:07:30,919 --> 00:07:37,990
THE MASS CAPABILITIES.
WE HAVE ADDED IN CRS 2 TO

97
00:07:37,990 --> 00:07:41,129
MEASURE THE VOLUME AND THE MASS
AND USE THAT AND THE VEHICLES

98
00:07:41,129 --> 00:07:45,449
MORE EFFICIENTLY.
THEY ALLOW THE DELIVERY OF

99
00:07:45,449 --> 00:07:52,830
LARGER CARGO AND REDUCE THE
TOTAL NUMBER OF MISSIONS.

100
00:07:52,830 --> 00:07:54,949
THAT'S IMPORTANT FOR A COUPLE OF
REASONS.

101

00:07:54,949 --> 00:07:58,039

IT'S MORE IN THE TERMS OF THE
CREW TONS AND THAT'S THE BOARD

102

00:07:58,039 --> 00:08:01,319

THE ISS.
WHEN THE CREWS IS UNPACKING AND

103

00:08:01,319 --> 00:08:04,669

REPACKING THE CARGO, THAT'S TIME
THAT THEY'RE SPENDING NOT DOING

104

00:08:04,669 --> 00:08:10,259

THE RESEARCH AND ALSO IT'S
IMPORTANT BASICALLY BECAUSE

105

00:08:10,259 --> 00:08:14,479

COMES AND GOING OF VEHICLES IS
TIME SENSITIVE AND MONITORING

106

00:08:14,479 --> 00:08:18,169

THE APPROACH AND DEPARTURE OF
THE VEHICLES.

107

00:08:18,169 --> 00:08:23,590

WITH THE CRS 1, WE ISSUE THE
TASK ORDER WHEN IT'S AWARDED FOR

108

00:08:23,590 --> 00:08:27,280

A DOLLAR FIGURE FOR 20 METRIC
TON OF CARGO.

109

00:08:27,280 --> 00:08:30,630

THAT'S THE ORIGINAL REQUIREMENT
IN CRS 1.

110

00:08:30,630 --> 00:08:36,099

CRS 2 IS DIFFERENT.
IT ALLOWS US MORE FLEXIBILITY

111

00:08:36,099 --> 00:08:42,169

AND IS THE RIGHT MIX OF THE
FLIGHTS AND ADMISSIONS.

112

00:08:42,169 --> 00:08:47,740

WE WILL BEGIN TO WORK WITH THE
CONTRACTS AND THOSE TO SEE WHAT

113

00:08:47,740 --> 00:09:02,850

MEETS THE MISSIONS IN THE KEY
YEAR AND THEN THE VICINITY AND

114

00:09:02,850 --> 00:09:06,110

THEN DOCKING AND UNDOCKING FROM
THE ISS.

115

00:09:06,110 --> 00:09:10,350

WE ADDED THE RESTRAINTS ON THE
MILESTONE PAYMENT THAT IS THE

116

00:09:10,350 --> 00:09:13,770

PROCESS IS BEING MADE ON THE
STATION INTEGRATION BEFORE WE

117

00:09:13,770 --> 00:09:18,760

AWARD THE MILESTONES.
CRS WILL IS GOING REREQUIRE

118

00:09:18,760 --> 00:09:28,529

PREAND POST FLIGHT.
OFFER WERE ALLOWED†-- FIRST THEY

119

00:09:28,529 --> 00:09:32,220

WERE REQUIRED TO MEET THEM AND
THEY WERE ALLOWED THE OPTIONAL

120

00:09:32,220 --> 00:09:37,649

CAPABILITIES AND MIXING THEM IN
A MANNER THAT THEY PICK.

121

00:09:37,649 --> 00:09:41,760

OFFER WERE ALLOWED TO DO THE
DIFFERENT TYPES OF MISSIONS IN

122

00:09:41,760 --> 00:09:44,670

ORDER TO MEET THE REQUIREMENTS.
EACH COMPANIES MISSIONS ARE

123

00:09:44,670 --> 00:09:48,300

UNIQUE AND THAT'S ONE OF THE
GREAT THINGS ACT THE CONTRACT.

124

00:09:48,300 --> 00:09:53,890

NASA CAN SELECT ANY OF THEM FROM
THE COMPANIES OFFERING THAT DO

125

00:09:53,890 --> 00:09:58,400

THE MISSIONS OR ISS REQUIREMENTS
FOR A GIVEN YEAR.

126

00:09:58,400 --> 00:10:06,370

THE CAPABILITIES OR REQUIREMENTS
WERE THE TON AND TO SEE THE MASS

127

00:10:06,370 --> 00:10:12,871

AND DOWN MASS OF 2.5 TO 5 METRIC
TON AND THEN THE DOWN MASS IS

128

00:10:12,871 --> 00:10:25,910

RECOVERABLE OR DISPOSAL.
AS MENTIONED IN CON JUNCTION

129

00:10:25,910 --> 00:10:29,339

WITH IT, THEY NEED TO HAVE A
MINIMUM OF THE PRESSURE CARGO

130

00:10:29,339 --> 00:10:35,110

DENSITY AND THE BAG EQUIVALENT
TO 1 YOU THOUSAND KILOGRAMS OF

131

00:10:35,110 --> 00:10:39,930

CARGO.

THE SPACE STATION REQUIRES

132

00:10:39,930 --> 00:10:48,180

APPROXIMATELY FOUR ANNUALLY AND

RESUPPLY IS PROVIDED AND MUST BE

133

00:10:48,180 --> 00:10:51,131

SPREAD OUT FOR NUM ER OOUS

REASONS AND SPACE AVAILABLE IS

134

00:10:51,131 --> 00:10:56,259

ON THE ISS AND SUPPLIES, LAUNCH

DATES.

135

00:10:56,259 --> 00:11:02,670

MEANING THAT THERE'S MULTIPLE

VEHICLES AND CARGO VEHICLES FROM

136

00:11:02,670 --> 00:11:06,199

THE OTHER PARTNERS.

TIME COMMITMENT FROM THE CREW

137

00:11:06,199 --> 00:11:11,160

AND TRAFFIC TO AND FROM THE

INTERNATIONAL SPACE STATION.

138

00:11:11,160 --> 00:11:18,279

THE VEHICLE IS ONLY A FEW COURTS

FOR THE BIRTHING AND DOCKING.

139

00:11:18,279 --> 00:11:27,680

FINALLY AND THEN ABOARD THE ISS.

>> GOING ABOARD THAT IS A TIME

140

00:11:27,680 --> 00:11:31,790

CONSUMING PROCESS, AND THERE'S

NO ONE THERE AND ARE T

141

00:11:31,790 --> 00:11:35,970

RESEARCHERS.

WE WERE TAKING ANY TIME TO GET

142

00:11:35,970 --> 00:11:39,759

THAT AND TAKING AWAY TIME FROM

THE VALUABLE RESEARCH AND

143

00:11:39,759 --> 00:11:43,290

UTILIZATION AND THEN THEREFORE

WE WANT TO BE AS EFFICIENT AS WE

144

00:11:43,290 --> 00:11:46,850

COULD.

LET'S TALK ABOUT THE SPECIFICS

145

00:11:46,850 --> 00:11:53,220

OF THE PROPOSALS.

ATK AND THEIR PO POSELE IS

146

00:11:53,220 --> 00:11:58,990

STANDARD MISSIONS.

TWO PROVIDE PRESSURE CARGO AND

147

00:11:58,990 --> 00:12:08,470

DELIVABLE AND THEN DISPOSAL.

THEY OFFER TWO VARIANCE ON

148

00:12:08,470 --> 00:12:12,990

DIFFERENT LAUNCH VEHICLES.

ONE IN FLORIDA AND ONE IN

149

00:12:12,990 --> 00:12:15,350

VIRGINIA.

ALL MISSION FROM THE PROPOSAL GO

150

00:12:15,350 --> 00:12:23,130

TO THE SPACE STATION.

NEVADA PROPOSED TWO STANDARD

151

00:12:23,130 --> 00:12:26,670

MISSIONS.

BOTH OF THEM PROVIDE PRESSURIZED

152

00:12:26,670 --> 00:12:35,250

CARGO AND RETURN.

THESE MISSIONS BOTH TYPES OF

153

00:12:35,250 --> 00:12:38,290

MISSION LAUNCH FROM FLORIDA.

>>> ONE TYPE AND ONE OF THE

154

00:12:38,290 --> 00:12:41,770

MISSIONS HAS THE ABILITY TO DOCK

THE ISS AND THE SECOND HAS THE

155

00:12:41,770 --> 00:12:47,030

ABILITY TO BIRTH THE ISS.

SPACE X IS TWO STANDARD MISSIONS

156

00:12:47,030 --> 00:12:54,389

AND THEN IT'S THE CARGO AND

DELIVERY AND RETURN AND THEN THE

157

00:12:54,389 --> 00:12:56,060

DISPOSAL.

IT'S LAUNCHING FROM FLORIDA AND

158

00:12:56,060 --> 00:13:02,250

ONE MISSION TYPE GO TO THE ISS

AND ONE BURSTS TO THE ISS.

159

00:13:02,250 --> 00:13:04,930

WITH ALL OF THAT IN MIND, IT

BRINGS US TO COST.

160

00:13:04,930 --> 00:13:10,430

IT WILL DEPEND ON THE TYPES THAT

ARE ORDERED.

161

00:13:10,430 --> 00:13:16,940

WHEN WE'RE ORDERING BASED ON THE
CURRENT NEEDS AND LIKE I SAID

162

00:13:16,940 --> 00:13:23,529

PREVIOUSLY AND IT'S THE SPACE
STATION TO ORDER UP THE TYPE OF

163

00:13:23,529 --> 00:13:26,870

MIX AND PRESSURED AND
UNPRESSURIZED RETURN THAT WE

164

00:13:26,870 --> 00:13:31,860

NEEDED.
WHILE WE DO NOT HAVE TO TOTAL

165

00:13:31,860 --> 00:13:39,110

VALUE OF THE CONTRACT, THE IN
DEFINITE QUANTITY ABLES US TO DO

166

00:13:39,110 --> 00:13:45,230

THE MISSIONS AND IT PROVIDES US
THE GREATEST BENEFIT TO NASA

167

00:13:45,230 --> 00:13:50,370

THAT THAT WE CAN FULLY UTILIZE
THE ASSET THAT WE HAVE IN SPACE.

168

00:13:50,370 --> 00:13:56,790

MISSION IS OUT WE ORDER AND WHEN
WE ORDER.

169

00:13:56,790 --> 00:14:00,589

THAT'S THE CONTRACT AND WE HAVE
THE FLEXIBILITIES THAT WE NEED

170

00:14:00,589 --> 00:14:05,480

IN ORDER TO HAVE THE MISSIONS AL
LA CART AND THE GROUPINGS AND

171

00:14:05,480 --> 00:14:10,269

THAT MAKES IT POSSIBLE TO GET A
COST AT THIS STATE.

172

00:14:10,269 --> 00:14:15,440

EACH ONE IS COMPLEX AND REQUIRES
SEVERAL YEARS OF LEAGUE TIME.

173

00:14:15,440 --> 00:14:21,860

THE DISCUSSION WILL START VERY
SOON LEADING TO THE WORK TO THE

174

00:14:21,860 --> 00:14:25,459

ISS LATER THIS YEAR, AND WE WANT
TO MAKE SURE THAT ALL OF THE I S

175

00:14:25,459 --> 00:14:30,029

REQUIREMENTS ARE MET.
WE EXPECT THE FIRST MISSIONS TO

176

00:14:30,029 --> 00:14:34,139

BEGIN IN 2019.
AFTER WE HAVE HAD HAD TIME TO

177

00:14:34,139 --> 00:14:38,560

DEBRIEF ALL OF THE COMPANIES
THAT ADMITTED PROPOSALS, WE CAN

178

00:14:38,560 --> 00:14:43,519

DO DETAILS AND MAKING THIS KNOWN
TO PUBLIC.

179

00:14:43,519 --> 00:14:47,420

THE ULTIMATE GOAL IS TO ENSURE
THAT WE MAXIMIZE THE USE OF THE

180

00:14:47,420 --> 00:14:52,699

SPACE STATION BY PROVIDING
SERVICES TO INTERNATIONAL SPACE

181
00:14:52,699 --> 00:14:54,420
STATION.
I WANT TO DISPOSE OF ANY

182
00:14:54,420 --> 00:14:59,329
UNNECESSARY CARGO AND RETURN
BACK THE NECESSARY RESEARCH AND

183
00:14:59,329 --> 00:15:03,030
CARGO THAT WE NEED BACK TO THE
GROUND.

184
00:15:03,030 --> 00:15:09,089
THE YEARS 2019-2024.
THAT IS THAT THAT WE KEEP IT

185
00:15:09,089 --> 00:15:13,490
FULLY STOCKED WITH YOU CREW AND
THEN THE CHIEF SCIENTIST AND HER

186
00:15:13,490 --> 00:15:19,350
TEAM AND GOVERNMENT AGENCY AND
INTERNATIONAL PARTNERS TO FULLY

187
00:15:19,350 --> 00:15:26,569
UTILIZE THE ISS AS A LABORATORY.
THIS LABORATORY AND THE NATIONAL

188
00:15:26,569 --> 00:15:34,790
LABORATORY IS RAN AND THEY'RE A
BIG PART OF THE ISS WILL ALLOW

189
00:15:34,790 --> 00:15:39,920
US TO MAKE CASES AND THEIR USE
OF THE NATIONAL LAB SUCCESSFUL.

190
00:15:39,920 --> 00:15:45,410
WE LOOK FORWARD TO WORKING WITH
ORBITAL ATK IN NEVADA HERE IN

191
00:15:45,410 --> 00:15:48,519
THE FUTURE.
THANK YOU DAN.

192
00:15:48,519 --> 00:15:53,490
>> THANK YOU KURT.
NOW TO THE CHIEF SCIENTIST FOR

193
00:15:53,490 --> 00:15:56,899
THE SPACE STATION PROGRAM.
JULIE?

194
00:15:56,899 --> 00:16:00,670
>> THANKS SO MUCH DAN.
EVERYDAY NASA AND OUR PARTNERS

195
00:16:00,670 --> 00:16:05,319
HAVE RESEARCH ON BOARD THE
INTERNATIONAL SPACE STATION.

196
00:16:05,319 --> 00:16:09,639
THAT NEED TO BE DELIVERED TO THE
SPACE STATION AND THEN RETURNED

197
00:16:09,639 --> 00:16:15,240
HERE BACK ON EARTH.
WE RELY ON THE SERVICE PROVIDER

198
00:16:15,240 --> 00:16:20,170
FOR THE TRANSPORTATION.
THE EXPERIENCE HAS SHOWN HOW

199
00:16:20,170 --> 00:16:22,480
IMPORTANT THE ACCESS THE STATION
IS.

200
00:16:22,480 --> 00:16:26,040
NOT JUST FOR NASA, BUT FOR THE
WIDE ARRAY OF THE COMPANY NOW

201
00:16:26,040 --> 00:16:29,649
TAKING ADVANTAGE OF THE STATIONS
ROLE OF THE U.S. NATIONAL

202
00:16:29,649 --> 00:16:32,199
LABORATORY.
WORKING WITH THE COMMERCIAL

203
00:16:32,199 --> 00:16:36,330
RESUPPLY PARTNERS AS WELL ASs
THE CENTER FOR THE ADVANCE AND

204
00:16:36,330 --> 00:16:41,459
BASES OF THE NATIONAL LAB HAS
LEAD TO THE US USERS OF THE

205
00:16:41,459 --> 00:16:45,630
SECTOR AND OTHER GOVERNMENT
AGENCIES AND EVEN OTHER

206
00:16:45,630 --> 00:16:49,949
COUNTRIES TAKING ADVANTAGE OF
IT.

207
00:16:49,949 --> 00:16:56,110
THE NEW COMPANY WILL MAINTAIN
THE FLEXIBILITY REQUIRED TO MEET

208
00:16:56,110 --> 00:17:00,449
THE DEMANDS OF THE SPACE STATION
RESEARCH AND THE ABILITY TO FLY

209
00:17:00,449 --> 00:17:07,350
ON PRESSURED PAYLOADS AND THEN
GOING UP LATER THIS YEAR AND

210
00:17:07,350 --> 00:17:12,500
EARTH OBSERVATION LIKE THE
INTERNATIONAL SPACE STATION AND

211

00:17:12,500 --> 00:17:17,620

AN INSTRUMENT LOOKING AT WINDS
AND THE ABILITY TO RETURN TO

212

00:17:17,620 --> 00:17:19,750

SAMPLES AND HARDWARE BACK TO
EARTH.

213

00:17:19,750 --> 00:17:25,510

THE RETURN TO THE MISSION AND
THEN THAT MEANS THAT A SAMPLE

214

00:17:25,510 --> 00:17:30,370

RETURN COULD BE IN THREE TO SIX
HOURS OF LANDING INSTEAD OF 24

215

00:17:30,370 --> 00:17:34,880

HOURS AND THAT'S A HUGE ADVANCE
FOR THE NUMBER AND THEN THE

216

00:17:34,880 --> 00:17:37,220

POTENTIAL SERVICE OF WHICH WE'RE
REALLY EXCITED.

217

00:17:37,220 --> 00:17:42,131

CRS TWO RESUPPLY WILL OVER LAP
WITH THE COMMERCIAL TWO PROGRAM

218

00:17:42,131 --> 00:17:46,420

AND THAT'S GOING TO ENABLE US TO
DO THE ASTRONAUT TO THE NATION

219

00:17:46,420 --> 00:17:50,330

AND INCREASING THE AMOUNT OF
TIME FOR THE RESEARCH.

220

00:17:50,330 --> 00:17:55,870

THE CRS 2 COMPANY IS GOING AS
WELL TAZ RESEARCH AND SUPPLY OF

221

00:17:55,870 --> 00:17:59,710

THE MEMBERS.

WE THE SCIENTIFIC COMMUNITY

222

00:17:59,710 --> 00:18:04,830

THAT'S NOT LIMITED TO SPACE

SCIENCE BUT PHYSICAL SCIENCE,

223

00:18:04,830 --> 00:18:09,940

EARTH SCIENCE, PHYSICS AND MORE

LEARN EVERYDAY FROM THE RESEARCH

224

00:18:09,940 --> 00:18:14,380

CONDUCTED ON THE SPACE STATION,

AND WE USE THAT IN WAYS TO

225

00:18:14,380 --> 00:18:16,710

BENEFIT.

SOME ARE IMMEDIATE AND

226

00:18:16,710 --> 00:18:22,670

TANGIBLE RIGHT HERE ON EARTH AND

SOME HAVE THE DIVIDENDS TO

227

00:18:22,670 --> 00:18:28,920

CONTINUE THE EXPLORATION.

IT'S DEEPER INTO SPACE AND WE'RE

228

00:18:28,920 --> 00:18:32,050

THRILLED WHAT THE TODAY'S AWARD

MEANS TO INSURE THAT THE WORK

229

00:18:32,050 --> 00:18:35,190

CONTINUES SO THAT WE CAN GET THE

MOST OUT OF THE SPACE STATION

230

00:18:35,190 --> 00:18:39,630

AND THEN MAINTAINING THE

FLEXIBILITY NECESSARY.

231

00:18:39,630 --> 00:18:47,730

THANK YOU JULIE.

THANK YOU AGAIN TO ALL OF THE

232

00:18:47,730 --> 00:18:50,070

BRIEFERS.

WE'RE GOING OPEN IT UP FOR

233

00:18:50,070 --> 00:18:52,530

QUESTIONS.

JUST A REMINDER FOR ANYBODY ON

234

00:18:52,530 --> 00:18:55,330

THE PHONE, IF YOU HAVE A

QUESTION YOU HAVE TO PRESS STAR

235

00:18:55,330 --> 00:19:00,510

ONE TO GET IN THE KEY AND THEN

STAR TWO TO WITHDRAWAL IT ONCE

236

00:19:00,510 --> 00:19:06,880

IN THERE.

KEEP IN MIND WITH ANY NASA THE

237

00:19:06,880 --> 00:19:11,100

DETAILS WILL BE RELEASED AT THE

APPROPRIATE TIME IN THE FUTURE.

238

00:19:11,100 --> 00:19:14,280

I ASK THAT EVERYBODY STICK TO

ONE QUESTION FOR NOW.

239

00:19:14,280 --> 00:19:18,130

WE HAVE A HIGH VOLUME OF PEOPLE

WAITING TO ASK QUESTIONS, AND IF

240

00:19:18,130 --> 00:19:20,550

WE HAVE TIME AT THE END, WE WILL

GO AROUND FOR FOLLOW UPS.

241

00:19:20,550 --> 00:19:23,170

AS ALWAYS, START OFF WITH YOUR
NAME AND AFFILIATION.

242

00:19:23,170 --> 00:19:27,600

WE WILL START GOING LEFT TO
RIGHT LIKE I ALWAYS DO.

243

00:19:27,600 --> 00:19:32,250

>> HE HAS BEEN HERE.

>> HI, ROBERT FROM COLLECT

244

00:19:32,250 --> 00:19:38,070

FACE.COM.

IT WAS MENTIONED THAT CRS 1 AND

245

00:19:38,070 --> 00:19:44,010

CAN YOU COMMENT ON HOW IF AT ALL
THE RESENT LAUNCH FAILURES

246

00:19:44,010 --> 00:19:48,000

PLAYED INTO THE DECISION TO PICK
THREE PROVIDERS AND TO GIVE YOU

247

00:19:48,000 --> 00:19:53,000

THE OPTION OF THAT AFTER
EXPERIENCING TO PROVIDERS BEING

248

00:19:53,000 --> 00:19:58,170

GROUNDED.

>> I GUESS THAT I WILL TAKE THE

249

00:19:58,170 --> 00:20:02,020

QUESTION.

SO FIRST OF ALL THE SOURCE

250

00:20:02,020 --> 00:20:04,900

SELECTION IS BASED ON A NUMBER
OF FACTORS.

251

00:20:04,900 --> 00:20:09,940

ONE OF THEM IS PAST PERFORMANCE.
SO FOR IN A FAIL YAU OF FACTORS

252

00:20:09,940 --> 00:20:13,490

INTO PAST PERFORMANCE.
IN THAT SENSE IS IT WAS

253

00:20:13,490 --> 00:20:19,310

CONSIDERED IN OUR SELECTION OF
THE OFFICERS FOR THIS.

254

00:20:19,310 --> 00:20:24,610

YOU'RE RIGHT, ONE OF THE THINGS
FROM THE STANDPOINT AND IT'S

255

00:20:24,610 --> 00:20:29,990

IMPORTANT TO HAVE MORE THAN ONE
SUPPLY CHAIN AND HAVING MULTIPLE

256

00:20:29,990 --> 00:20:36,550

OFFER MEANS THAT ANY GIVEN TIME
IT'S GOING TO BE ONE IN NEVADA

257

00:20:36,550 --> 00:20:49,450

AND SPACE X OVER LAY TK AND THEN
YOU HAVE THE ABILITY

258

00:20:49,450 --> 00:20:51,760

THAT'S A
BIG HELP TO US.

259

00:20:51,760 --> 00:20:55,880

NOW ALL OF THESE HAVE DIFFERENT
CAPABILITIES.

260

00:20:55,880 --> 00:21:01,660

THERE ARE DIFFERENCES AND THERE
ARE IMPACTS ASSOCIATED WITH IT.

261

00:21:01,660 --> 00:21:06,370

THAT'S CERTAINLY A CONSIDERATION
THAT WE THOUGHT ABOUT EVEN IN

262

00:21:06,370 --> 00:21:17,400

DEVELOPING THE PER CUREMENT AND
SELECTING THE WINNERS OF THIS.

263

00:21:17,400 --> 00:21:20,990

>> THE SECOND CONTRACT IS HARDER
THAN THE FIRST CONTRACT AND THE

264

00:21:20,990 --> 00:21:22,680

FACT THAT YOU'RE HERE SEVEN
YEARS LATER.

265

00:21:22,680 --> 00:21:34,850

>> KIND OF WONDERING THE PICTURE
AND THE COMMERCIAL SECTOR AND

266

00:21:34,850 --> 00:21:39,780

THEN THE CONTRACT AND THEN THE
NEXT STEP IS IT HABITAT?

267

00:21:39,780 --> 00:21:50,820

WHERE DO YOU SEE IT PROGRESSING?
>> WELL, I WILL TAKE A SHOT AT

268

00:21:50,820 --> 00:21:52,742

IT.
ONE OF THE THINGS THAT WE'RE

269

00:21:52,742 --> 00:21:59,600

TRYING TO DO THROUGH THE CASES
IS FOSTER A LOWER ORBIT ECONOMY,

270

00:21:59,600 --> 00:22:03,940

SO WHERE WE HAVE THE OPPORTUNITY
TO ACHIEVE THAT GOAL THROUGH

271

00:22:03,940 --> 00:22:07,420

COMMERCIAL CONTRACTS LIKE THIS
THAT ARE FIXED PRICE THAT I

272

00:22:07,420 --> 00:22:10,230

THINK THAT YOU WILL SEE TO
CONTINUE, IT'S HARD TO SIT HERE

273

00:22:10,230 --> 00:22:14,210

AND SAY EXACTLY WHAT THEY ARE.
WE WANT TO MAKE SURE THAT WE

274

00:22:14,210 --> 00:22:19,420

HAVE THE BEST VALUE FOR THE
GOVERNMENT AND AMERICAN PEOPLE.

275

00:22:19,420 --> 00:22:21,800

WE ALSO WANT TO MAKE SURE THAT
YOU'RE ACHIEVING THE KBOEL OF

276

00:22:21,800 --> 00:22:26,870

FOSTERING A COMMERCIAL ECONOMY
AT THE LOWER ON BIT.

277

00:22:26,870 --> 00:22:29,791

ABSOLUTELY YOU WILL SEE MORE AS
THE TIME GOES ON TO WHAT THE PA

278

00:22:29,791 --> 00:22:40,040

SPECIFICS ARE.
>> AS WE MOVE FORWARD NOT ONLY

279

00:22:40,040 --> 00:22:43,400

WHAT COMES AFTER THE SPACE
STATION, BUT AS WE MOVE THE

280

00:22:43,400 --> 00:22:52,270

HUMAN SPACE FLIGHT, WE'RE
LOOKING AT WAYS AND MEANS TO

281

00:22:52,270 --> 00:22:56,130

DEVELOP THE COMMERCIAL AND THEN
THE U.S. INDUSTRY IN GENERAL TO

282

00:22:56,130 --> 00:23:01,260

ACHIEVE THE GOALS.
WE HAVE MADE NO DECISIONS ON

283

00:23:01,260 --> 00:23:07,310

WHAT IS COMMERCIAL AND WE'RE
LOOKING AT THE POSSIBILITIES.

284

00:23:07,310 --> 00:23:15,240

WE'RE LEVELING TODAY TO ENABLE
AND NOT ONLY JUST, YOU KNOW,

285

00:23:15,240 --> 00:23:20,400

MODULES AND SPACECRAFT BUT THE
WAY THAT WE DO BUSINESS.

286

00:23:20,400 --> 00:23:24,970

ALSO IN DEVELOPING THE
COMMERCIAL DEMANDS AND THAT'S

287

00:23:24,970 --> 00:23:29,450

MORE IMPORTANT THAN THE
COMMERCIAL SUPPLY AS WELL.

288

00:23:29,450 --> 00:23:33,340

>> JULIE, YOU TALKED ABOUT THE.
[INAUDIBLE]

289

00:23:33,340 --> 00:23:36,280

WHAT ARE THE COMPLICATIONS OF
THAT AND HOW DO YOU GET THEM

290

00:23:36,280 --> 00:23:44,320

THERE?
THREW LIGHTBULBS, TALK TO ME ON

291

00:23:44,320 --> 00:23:47,780

WHY THAT'S IMPORTANT.

>> WELL THE TECHNICAL REASON

292

00:23:47,780 --> 00:23:52,920

THAT WE DON'T HAVE SEVEN

ASTRONAUTS TODAY THAT YOU CAN'T

293

00:23:52,920 --> 00:23:59,090

HAVE LIGHTBULB CAPACITY FOR

SEVEN YOU CREW MEMBERS.

294

00:23:59,090 --> 00:24:01,870

ONCE WE HAVE THE COMMERCIAL

CREW, THAT WILL ALLOW THE

295

00:24:01,870 --> 00:24:04,790

TRANSPORTATION OF FOUR MEMBERS

TOUP THE SPACE STATION AS WELL

296

00:24:04,790 --> 00:24:11,250

AS RETURN OF THEM IN THE

FUNCTION.

297

00:24:11,250 --> 00:24:17,080

AND THEN FROM A RESEARCH

PERSPECTIVE IT'S HUGE.

298

00:24:17,080 --> 00:24:20,580

THEN ALL YOU HAVE TO DO IS

BRING A FEW EXTRA SUPPLIES HERE

299

00:24:20,580 --> 00:24:29,220

AND THEN IT'S THE SAME ONE IF

THEN THE WHOLE RESEARCH IN ALL

300

00:24:29,220 --> 00:24:43,090

OF THEIR TIME.

A

301

00:24:43,090 --> 00:24:53,470

[INAUDIBLE]

>> GOING

302

00:24:53,470 --> 00:25:04,370

TO THE PHONE NOW AND IF
YOU'RE ON THE LINE AND LET'S

303

00:25:04,370 --> 00:25:08,760

START OFF WITH ALLEN BOIL OR
KEITH WIRE.

304

00:25:08,760 --> 00:25:10,460

ALLEN?

>> THANK YOU FOR TAKING MY

305

00:25:10,460 --> 00:25:13,530

QUESTION.

I WANT TO ASK MORE ABOUT THE

306

00:25:13,530 --> 00:25:17,690

PLANS TO CHASE THE DREAM TAKER.
I JUST WANT TO MAKE SURE THAT

307

00:25:17,690 --> 00:25:22,870

ONE OF THEM RECALLS FOR THEM TO
RETURN TO EARTH.

308

00:25:22,870 --> 00:25:28,280

I THINK THAT'S WHAT THE
CAPABILITY OF GETTING SOMETHING

309

00:25:28,280 --> 00:25:33,771

BACK IN THREE OR FOUR HOURS.
IF THAT'S THE CASE, CAN YOU

310

00:25:33,771 --> 00:25:38,980

TRAUMATIC ABOUT THE NEW
[INAUDIBLE]

311

00:25:38,980 --> 00:25:42,750

IN THE FLEET AND WHAT IT MEANS
FOR SCIENCE AND WHAT IT MEANS

312

00:25:42,750 --> 00:25:50,870

FOR THE PERCEPTION THAT PEOPLE
MIGHT HAVE WITH THE EFFORTS.

313

00:25:50,870 --> 00:25:58,750

THANK YOU.

>> THOSE

314

00:25:58,750 --> 00:26:04,760

TYPES OF MISSIONS AND
THEN IT'S INTERACTION WITH THE

315

00:26:04,760 --> 00:26:18,510

SPACE STATION AND THEN THEN IT
ALSO HAS A MILD ER RETURN

316

00:26:18,510 --> 00:26:29,900

PROFILE & THEN IT'S
FINALLY A

317

00:26:29,900 --> 00:26:34,600

DIFFERENT AND THIN IT'S A LITTLE
BIT ABOUT THAT.

318

00:26:34,600 --> 00:26:38,040

WE HAVE THE ABILITY TO DIAL UP
THAT CAPABILITY AND THEN IF IT'S

319

00:26:38,040 --> 00:26:40,960

ONE OF OUR CAPABILITIES IS
UNABLE TO US.

320

00:26:40,960 --> 00:26:45,530

>> ADDING TO WHAT IT IS AND
RIGHT NOW THERE'S BIOLOGY

321

00:26:45,530 --> 00:26:48,590

STUDIES THAT ARE GOING ON AND WE
BRING HOME THE LIVE ORGANISMS.

322

00:26:48,590 --> 00:26:53,490

WHEN THEY COME HOME AND IF IT'S
A HARD LANDING AND AT SEA FOR A

323

00:26:53,490 --> 00:26:57,141

COUPLE OF DAYS, YOU HAVE
DISRUPTED THAT BEFORE THEY TAKE

324

00:26:57,141 --> 00:27:01,410

THE FINAL SET OF MEASUREMENTS
AND THEN THE RAPID RETURN PLUS

325

00:27:01,410 --> 00:27:04,870

THREE HOURS OR SIX HOURS IS
REALLY VALUABLE AND THEN THE

326

00:27:04,870 --> 00:27:11,520

SOFT LANDING IS ALSO VALUABLE.
IT'S ALSO GOOD FOR THINGS RIEX

327

00:27:11,520 --> 00:27:16,510

EXPERIMENTS THAT IT COULD
ACTUALLY DISRUPT THE SAMPLES.

328

00:27:16,510 --> 00:27:20,800

THIS IS A NICE CAPABILITY TO ADD
TO THE THINGS THAT WE HAVE ABLE.

329

00:27:20,800 --> 00:27:23,530

>> OKAY.

LET'S GO TO JASON.

330

00:27:23,530 --> 00:27:28,010

JAY SNON.

>> HEY, THIS IS JASON.

331

00:27:28,010 --> 00:27:34,380

SORRY, HAVING A HARD TIME
GETTING OFF OF SPEAKER PHONE.

332

00:27:34,380 --> 00:27:39,870

REGARDING THAT YOU HAVE TWO
PARTICIPANTS UNDER CR 1, WHAT

333

00:27:39,870 --> 00:27:45,920

CAN WE SEE CHANGE OTHER THAN THE
SEVEN ASTRONAUT, AND HOW MUCH

334

00:27:45,920 --> 00:27:55,891

DID THE REQUEST PLAY IN NASA
FACILITY TO ADD THE PARTNER?

335

00:27:55,891 --> 00:28:01,520

>> SO I WOULD SAY THE REAL ISSUE
WITH HAVING TWO OR LESSONS

336

00:28:01,520 --> 00:28:05,360

LEARNED IN CRS 1, THE BIG ISSUE
IS THAT WE WANT TO MAKE SURE

337

00:28:05,360 --> 00:28:10,881

THAT WE HAVE A ROBUST SWEEP OF
VEHICLES THAT GO UP TO ISS.

338

00:28:10,881 --> 00:28:32,220

I E MENTIONED A LOWER EQUALITY
AND

339

00:28:32,220 --> 00:28:35,080

WE'RE LOOKING VERY MUCH
FORWARD TO HAVING ALL THREE

340

00:28:35,080 --> 00:28:41,860

COMPANIES PROVIDE IT AND THEN
IT'S NOT SO MUCH THE INDIVIDUAL

341

00:28:41,860 --> 00:28:46,220

VEHICLES AS IT IS THE FACT THAT
WE'RE CARRYING MORE CARGO ON THE

342

00:28:46,220 --> 00:28:53,030

VEHICLE AND THEY'RE WE'RE GOING
TO HAVE FEWER VEHICLES OVER TIME

343

00:28:53,030 --> 00:29:07,260

AND THEN THAT HELPS AND THEN SAY
DANGEROUS AND THEY REQUIRE THE

344

00:29:07,260 --> 00:29:11,040

ATTENTION OF OUR CREW MEMBERS,
SO WE HAVE TO SET UP ALL OF THE

345

00:29:11,040 --> 00:29:17,110

EQUIPMENT NECESSARY SI FOR THE
BIRTHING AND MONITOR IT AND

346

00:29:17,110 --> 00:29:22,330

UNTRUE WITH THE UNBIRTHING AND
HAVING FEWER OF THOSE ALLOWS US

347

00:29:22,330 --> 00:29:27,540

TO USE MORE TIME FOR RESEARCH.
FINALLY THE DIFFERENT TYPES OF

348

00:29:27,540 --> 00:29:31,600

MISSIONS AND SOME OF THEM ARE
DOCKING AND BIRTHING.

349

00:29:31,600 --> 00:29:36,730

WE HAVE TO DOCKING PORTS AND TWO
BIRTHS ONES AND IT ALLOWS US TO

350

00:29:36,730 --> 00:29:56,470

UTILIZE AND THEN IT'S FLEXIBLE.
>> OKAY.

351

00:29:56,470 --> 00:29:59,530

THANK YOU FOR TAKING MY
QUESTIONS.

352

00:29:59,530 --> 00:30:12,150

CAN YOU COMMENT THE TASK ORDER
AND THEN WILL EACH MISSION BE

353

00:30:12,150 --> 00:30:21,280

COMPETED AND EACH TASK ORDER AND
AMONG THE THREE.

354

00:30:21,280 --> 00:30:26,160

>> OUR PLAN IS TO WORK WITH THE
COMPANIES AND WORKING WITH THEM

355

00:30:26,160 --> 00:30:29,860

AND DOING ASSESSMENT.
IT'S IMPORTANT TO US ON WHEN WE

356

00:30:29,860 --> 00:30:34,840

WILL ISSUE THE FIRST TASK ORDER
FOR ISS INTEGRATION, AND WE WILL

357

00:30:34,840 --> 00:30:40,270

DO THAT LATER ON THIS YEAR.
WE EXPECT THE FIRST FLIGHT UNDER

358

00:30:40,270 --> 00:30:45,590

CRS TWO TO BE IN LATE 2019.
THAT'S OKAY.

359

00:30:45,590 --> 00:30:48,520

FROM AN ISS PERSPECTIVE AND
OPERATION THAT'S OKAY.

360

00:30:48,520 --> 00:30:53,320

WE HAVE THE FLIGHTS UNDER CRS
ONE THAT WILL ALLOW THE ISS TO

361

00:30:53,320 --> 00:30:56,570

BE PRODUCTIVE ALL OF THE WAY
THROUGH THE TIME PERIOD.

362

00:30:56,570 --> 00:31:02,730

SO THE MESHING LOOKS LIKE IT'S
GOING WORK OUT REALLY WELL.

363

00:31:02,730 --> 00:31:04,990

AGAIN LIKE I SAID WE WILL BEGIN
TO WORK WITH THE COMPANIES

364

00:31:04,990 --> 00:31:10,660

IMMEDIATELY ON THEIR FLIGHTS,
BUT THE TASK ORDERS MIGHT FOLATE

365

00:31:10,660 --> 00:31:12,890

THIS YEAR.

>> OKAY.

366

00:31:12,890 --> 00:31:16,120

NEXT UP WE HAVE EF BILL WITH CBS
NEWS.

367

00:31:16,120 --> 00:31:19,430

BILL?

>> YES, THANK YOU.

368

00:31:19,430 --> 00:31:26,010

KURT YOU'RE SAYING ALL THREE OF
THE WINNERS CAN DELIVER ER ALL

369

00:31:26,010 --> 00:31:30,621

OF THEM TO THE STATION, BUT THEY
CAN BRING THEM BACK TOWN TO THE

370

00:31:30,621 --> 00:31:34,800

EARTH.

ALSO YOU SAID DOCKING AND

371

00:31:34,800 --> 00:31:37,500

BIRTHING, SO I AM ASSUMING THAT
ANY VEHICLE THAT DOCKS IS GOING

372

00:31:37,500 --> 00:31:43,320

TO KWO TO THE ZONE AND FORWARD
AND ANY BIRTHING GOES TO THE

373

00:31:43,320 --> 00:31:47,230

INVADERS.
IS THAT RIGHT?

374

00:31:47,230 --> 00:31:52,820

>> AS ALWAYS YOUR KNOWLEDGE OF
THE ISS IMPRESSING ME BILL.

375

00:31:52,820 --> 00:32:00,840

FIRST OF ALL ALL OF THEM CAN CAN
BRING UP PRESSURIZED CARGO.

376

00:32:00,840 --> 00:32:04,190

ALL OF THEM AND WHEN I SAY
ALL†-- EACH COMPANY HAS THE

377

00:32:04,190 --> 00:32:07,110

ABILITY TO BRING THEM UP AND
EACH COMPANY HAS THE ABILITY TO

378

00:32:07,110 --> 00:32:13,230

BRING UP UNPRESSURIZED.
IN ALL THREE COMPANY VERSUS IF

379

00:32:13,230 --> 00:32:25,310

ABILITY TO DISPOSE OF IT.
HOWEVER, SIERRA, NEVADA AND THEN

380

00:32:25,310 --> 00:32:31,820

THE SCIENCE SAMPLE ARE ONLY TWO
OPTIONS FOR THAT.

381

00:32:31,820 --> 00:32:37,880

IT'S NEVADA AND SPACE X.
THOSE ARE THE TWO OPTIONS THAT

382

00:32:37,880 --> 00:32:44,590

HAVE RECOVERABLE DOWN MATS.
NONE OF THEM PROVIDE

383

00:32:44,590 --> 00:32:48,751

UNPRESSURIZED DOWN MATS.
IT'S A LITTLE†-- I REALIZE THAT

384

00:32:48,751 --> 00:32:51,780

IT'S A LITTLE BIT CONFUSING, AND
I APOLOGIZE FOR THAT.

385

00:32:51,780 --> 00:32:55,150

IT'S CONFUSING TO HAVE THE PRESS
CONFERENCE, BUT GREAT

386

00:32:55,150 --> 00:32:58,730

FLEXIBILITY TO DO THE
INTERNATIONAL SPACE STATION

387

00:32:58,730 --> 00:33:01,570

PROGRAM.
THAT'S ONE OF THE GREAT THINGS.

388

00:33:01,570 --> 00:33:08,310

WE HAVE A DIAL AND WE CAN BY
PICKING THE VARIOUS COMPANIES

389

00:33:08,310 --> 00:33:13,550

AND ADMISSIONS, WE HAVE THE
ABILITY TO MANGE OUR RISKS AND

390

00:33:13,550 --> 00:33:16,780

TO GET THE RIGHT AMOUNT AND
BALANCE OF THE DISPOSAL OF THE

391

00:33:16,780 --> 00:33:21,341

CARGO VERSES THE RECOVERY OF THE
CARGO.

392

00:33:21,341 --> 00:33:23,560

>> OKAY.

NEXT UP WE HAVE KEN CRAMER WITH

393

00:33:23,560 --> 00:33:26,470

THE UNIVERSE TODAY.

>> HI.

394

00:33:26,470 --> 00:33:31,390

THANK YOU FOR DOING THIS.

I WONDER IF IF YOU TALK MORE ON

395

00:33:31,390 --> 00:33:34,840

SMC.

DID YOU PICK THEM SPECIFICALLY

396

00:33:34,840 --> 00:33:39,630

BECAUSE THEY CAN LAND ON THE RUN
WAY IN A FEW HOURS, IS IT MORE

397

00:33:39,630 --> 00:33:47,130

TO HAVE A REDUNDANCY WITH THE
CARGO PROVIDER AND ALSO CAN YOU

398

00:33:47,130 --> 00:33:50,340

PROVIDE AN UPDATE ON THE NEXT
MISSION OR TWO THAT YOU'RE

399

00:33:50,340 --> 00:33:54,890

PLANNING TO THE ISS?

>> SO WE ACTUALLY PICKED THEM

400

00:33:54,890 --> 00:33:57,210

BECAUSE THERE'S A GREAT
PROPOSALLE.

401

00:33:57,210 --> 00:34:10,389

THE DETAILS WILL BE MADE PUBLIC
AND IN TERMS OF OPERATION ON THE

402

00:34:10,389 --> 00:34:15,639

ISS WE ARE CURRENTLY WORKING
WITH THE SPACE X ON THE NEXT

403

00:34:15,639 --> 00:34:19,740

MISSION TO ISS.
WE CALL IT SPACE X EIGHT.

404

00:34:19,740 --> 00:34:25,470

THEY CALL IT FALCON NINE AND WE
TYPICALLY LET THOSE COMPANIES

405

00:34:25,470 --> 00:34:30,250

ANNOUNCE THE LAUNCH DATE, BUT I
CAN TELL YOU THAT WE'RE IN

406

00:34:30,250 --> 00:34:33,289

CONTACT COMMUNICATION.
THEY'RE FIRST OF ALL RECOVERING

407

00:34:33,289 --> 00:34:37,629

FROM A MISHAP.
NUMBER ONE AND NUMBER TWO IS THE

408

00:34:37,629 --> 00:34:44,159

FALCON NINE AND THE TYPE OF THE
FALCON IS A NEW VEHICLE AND

409

00:34:44,159 --> 00:34:47,269

HIGHER TRUST ENGINE IN THE
STATE.

410

00:34:47,269 --> 00:34:53,549

SO NOT ONLY ARE WE RECOVERING,
BUT WE'RE WORKING TO BASICALLY

411

00:34:53,549 --> 00:34:56,970

MODIFY THE VEHICLE, SO THEY HAVE
FLOWN THAT ONCE IN DECEMBER AND

412

00:34:56,970 --> 00:34:59,740

VERY SUCCESSFUL.
AS YOU NOTICED THEY LANDED THE

413

00:34:59,740 --> 00:35:04,369

FIRST STAGE BACK ON THE GROUND
IN FLORIDA.

414

00:35:04,369 --> 00:35:08,509

THEY'RE LOOKING AT THE DATA.
WE'RE ACTUALLY THE THIRD FLIGHT

415

00:35:08,509 --> 00:35:15,440

OF THE ROCKET AND THEN THAT'S
THE THIRD FLIGHT OF THIS NEW

416

00:35:15,440 --> 00:35:18,060

TYPE OF ROCKET.
SO WE WILL LET THE SPACE X

417

00:35:18,060 --> 00:35:21,319

IDENTIFY THE LAUNCH DATE.
WE'RE WORKING WITH THEM AND

418

00:35:21,319 --> 00:35:23,430

CERTAINLY MEETS THE
REQUIREMENTS.

419

00:35:23,430 --> 00:35:35,650

OA 6 IS OVER ATK 6 WILL LAUNCH
FROM FLORIDA.

420

00:35:35,650 --> 00:35:41,660

IT'S MARCH 10th AND THAT APPEARS
TO BE ON TRACK.

421

00:35:41,660 --> 00:35:46,730

THE ORBITAL 5 AND I APOLOGIZE
FOR THE WAY THAT WE NUMBER

422

00:35:46,730 --> 00:35:52,119

THINGS, BUT IT'S GOING TO BE OUT
IN THE SUMMER DATES.

423

00:35:52,119 --> 00:35:59,450

THAT'S GOING FROM THE 230
ROCKET.

424

00:35:59,450 --> 00:36:02,210

I CAN TELL YOU RIGHT NOW THINGS
ARE GOING WELL ON ORBIT.

425

00:36:02,210 --> 00:36:06,470

WE'RE PREPARING FOR THE SPACE
WALK TOMORROW AND PREPARING TO

426

00:36:06,470 --> 00:36:12,680

HAVE SPACE 8 ARRIVE IN THE NEAR
FUTURE.

427

00:36:12,680 --> 00:36:20,470

>> OKAY.
NEXT UP WE

428

00:36:20,470 --> 00:36:25,690

HAVE IRENE.
>> THANK YOU VERY MUCH.

429

00:36:25,690 --> 00:36:34,289

DO THESE CONTRACTS HAVE A
MAXIMUM VALUE SIMILAR TO THE

430

00:36:34,289 --> 00:36:45,039

3.1†BILLION?
>> SO THE CONTRACTS HAVE WHAT WE

431

00:36:45,039 --> 00:36:47,950

ACCEPTABILITY HAS A MAXIMUM
VALUE OF \$14†BILLION.

432

00:36:47,950 --> 00:36:52,480

I CAN TELL YOU THAT THE FLIGHTS
THAT WE'RE LOOKING AT IS NOWHERE

433

00:36:52,480 --> 00:36:54,930

NEAR THE VALUE.
WE DON'T WANT TO GET CLOSE TO

434

00:36:54,930 --> 00:36:59,910

THAT.
FROM A FEDERAL REQUIREMENT WE

435

00:36:59,910 --> 00:37:03,450

HAVE TO PUT A MAXIMUM CONTRACT
VALUE, AND THAT'S WHAT WAS PUT

436

00:37:03,450 --> 00:37:07,880

IN THEM AND THE REQUEST FOR
PROPOSAL.

437

00:37:07,880 --> 00:37:13,030

THERE'S A MINIMUM NUMBER TOSS
THE CONTRACTS AND THERE'S A

438

00:37:13,030 --> 00:37:16,599

MINIMUM OF SIX MISSIONS FROM
EACH OF THE PROVIDERS.

439

00:37:16,599 --> 00:37:18,549

WHAT'S THE PERFORMANCE TIME FOR
WERE THE BIG NUMBER CONTRACT AND

440

00:37:18,549 --> 00:37:19,549

HOW LONG WILL YOU BE DOING THE
MISSIONS AT LEAST FROM THE

441

00:37:19,549 --> 00:38:10,069

BEGINNING AND ALSO FOR JULIE†--

>> I WILL PASS IT OVER TO JULIE

442

00:38:10,069 --> 00:38:15,099

FOR HER QUESTION.

THE IN TENT FOR NOW AND THE LAW

443

00:38:15,099 --> 00:38:19,039

OF THE LAND AND THE

AUTHORIZATION BILL IS 2024.

444

00:38:19,039 --> 00:38:24,789

ALL ON THE FLOOR THE

INTERNATIONAL PARTNERS HAVE ALSO

445

00:38:24,789 --> 00:38:29,200

AGREED TO GO TO 2024.

THEY'RE HAVING THE IS SERIAL

446

00:38:29,200 --> 00:38:33,519

MEETING AND THAT'S WHERE THEY

TAKE AN ACTION IN DECEMBER OF

447

00:38:33,519 --> 00:38:38,519

THIS YEAR AND WE'RE LOOKING FOR

WARD TO POSITIVE RESULTS.

448

00:38:38,519 --> 00:38:42,530

SO AS I SAID EARLIER WE EXPECT

THE FIRST FLIEKT TO BE IN THE

449

00:38:42,530 --> 00:38:47,210

LATTER HALF OF THE 2019.

IT'S AUTHORIZED IN THE UNITED

450

00:38:47,210 --> 00:38:53,440

STATES AND THAT'S THE PERIOD.

GAIN ONE OF THE BENEFITS OF THIS

451

00:38:53,440 --> 00:38:58,299

IS THERE'S GOING TO BE ENOUGH
ROOM BETWEEN WHAT WE EXPECT TO

452

00:38:58,299 --> 00:39:02,029

PAY NOW AND THE MAXIMUM CONTRACT
VALUE.

453

00:39:02,029 --> 00:39:06,319

SHOULD ISS BE EXTENDED OR NEED A
LARGER NUMBER OF FLIGHTS TWHAN

454

00:39:06,319 --> 00:39:08,720

WE THINK RIGHT NOW?
THERE'S PLENTY OF ROOM TO DO

455

00:39:08,720 --> 00:39:17,380

THAT AND NOT ADJUST THE VALUE.
IT WILL NOT FORCE US TO DO THE

456

00:39:17,380 --> 00:39:21,220

PRECURMENT.
NONE OF THOSE THINGS ARE FIN

457

00:39:21,220 --> 00:39:23,410

TIF.
I AM TELLING YOU WHAT THE

458

00:39:23,410 --> 00:39:30,880

OPTIONS ARE RELATIVE TO WHAT
WOULD HAPPEN BEYOND THE 2024 AND

459

00:39:30,880 --> 00:39:33,470

BEYOND.
>> TO GIVE YOU SOME EXAMPLES OF

460

00:39:33,470 --> 00:39:35,839

THE SCIENCE THAT WE CAN NOT DO
TODAY THAT WE WILL BE ABLE TO DO

461
00:39:35,839 --> 00:39:41,640
IS THAT THERE ARE A WHOLE BUNCH
OF ASPECTS THAT ARE APPEALING TO

462
00:39:41,640 --> 00:39:44,289
SCIENCE.
THE BIG ONE THAT STANDS OUT IS

463
00:39:44,289 --> 00:39:47,710
OUR RETURN.
THE RETURN WITHIN THREE TO SIX

464
00:39:47,710 --> 00:39:53,599
HOURS OF LANDING.
SOME EXAMPLES OF THINGS THAT WE

465
00:39:53,599 --> 00:39:57,390
CAN NOT DO TODAY IS DEFINITELY
ALL OF THE THINGS THAT WE'RE

466
00:39:57,390 --> 00:40:01,880
DOING WITH THE LIVING ORGANISM.
SOME THINGS DON'T MATTER AS MUCH

467
00:40:01,880 --> 00:40:06,150
AS OTHERS.
WE HAVE A LIVE RETURN COMING UP

468
00:40:06,150 --> 00:40:14,920
ON A FUTURE MISSION AND THERE
ARE A LOT OF REASONS TO USE THE

469
00:40:14,920 --> 00:40:18,230
ANIMALS AND LOOK AT THINGS LIKE
BALANCE AND SENSORY MOTOR AND

470
00:40:18,230 --> 00:40:21,940
THE FACT THAT IT'S GOING CHANGE
RAPIDLY THAT WE HAVE TO HAVE THE

471

00:40:21,940 --> 00:40:26,960

ANIMAL IN THE BACK WAY.

ALSO MICROBIOLOGY AND PLANT

472

00:40:26,960 --> 00:40:33,130

SETTINGS AND ALL OF THOSE START

TO ADAPT AND TO BE ABLE TO LOOK

473

00:40:33,130 --> 00:40:38,119

AT THE GENETICS OF WHAT ACTUAL

GENES ARE BEING EXPRESSED, IT

474

00:40:38,119 --> 00:40:44,609

GETS THE MEASURES.

ANOTHER AREA THAT'S IMPORTANT IS

475

00:40:44,609 --> 00:40:50,160

THERE'S A NUMBER OF STUDIES TO

LOOK AND THAT WAS IN PAIN EVEN

476

00:40:50,160 --> 00:40:53,150

WHEN THEY RETURN TO EARTH FOR A

PERIOD OF TIME.

477

00:40:53,150 --> 00:40:56,530

SOME OF THAT WORKS WHERE WE GOT

THE SAMPLES BACK IN THREE TO SIX

478

00:40:56,530 --> 00:41:05,001

HOURS.

THOSE ARE THE EXAMPLES AND SOME

479

00:41:05,001 --> 00:41:12,309

OF THE HIGH PROFILE WORK.

>> NEXT IS GERMANY AND THEN

480

00:41:12,309 --> 00:41:15,329

PLEASE JUST ONE QUESTION EACH

FOR NOW SO THAT EVERYONE CAN CAN

481

00:41:15,329 --> 00:41:18,990

GET A CHANCE.

>> HI, THANKS FOR TAKING MY

482

00:41:18,990 --> 00:41:21,300

QUESTION.

I WAS WONDERING IF YOU CAN HELP

483

00:41:21,300 --> 00:41:27,309

ME UNDERSTAND HOW TO ORBITAL
CONTRACT WILL WORK IN VIRGINIA

484

00:41:27,309 --> 00:41:32,980

AND FLORIDA?

IS THAT A CASE BY CASE BASIS, OR

485

00:41:32,980 --> 00:41:37,549

WHAT IS HAPPENING THERE?

>> SO THE CONTRACT AND THE

486

00:41:37,549 --> 00:41:45,299

PROPOSALS ALLOW THE ADMISSION
AND THEN THE CARGO ALLOW THE

487

00:41:45,299 --> 00:41:50,779

ADMISSION TYPE THAT WAS LAUNCHED
FROM FLORIDA ON A ROCKET OR FROM

488

00:41:50,779 --> 00:41:55,710

VIRGINIA WHILE VIRGINIA ON A
TRUCK.

489

00:41:55,710 --> 00:42:00,369

REALLY IT'S UP TO NASA TO DECIDE
WHICH OF THESE VEHICLES.

490

00:42:00,369 --> 00:42:06,769

NOW THEY HAVE CAPABILITIES AND
GAIN WHAT KEEPS THEM AND THE

491

00:42:06,769 --> 00:42:09,761

COST.

WE HAVE THE ABILITY TO E VALUE

492

00:42:09,761 --> 00:42:12,069

WAIT WHAT WE NEED AND TO MAKE
THE SELECTION.

493

00:42:12,069 --> 00:42:16,230

WE HAVE TO MAKE THE SELECTION
YEARS IN ADVANCE AND THEN IT'S

494

00:42:16,230 --> 00:42:18,540

GOING TO BUILD AND TEST THE
ROCKET BEFORE YOU'RE READY TO

495

00:42:18,540 --> 00:42:21,340

FLY IT.

SO WHAT WE EXPECT TO DO IS IS

496

00:42:21,340 --> 00:42:25,539

EVALUATE AND WE'RE STARTING IT
IN THE RETURN WITH THE COMPANIES

497

00:42:25,539 --> 00:42:29,519

AND THEN WE WILL LOOK AT THE
REQUIREMENTS AND MAKE A

498

00:42:29,519 --> 00:42:31,730

DECISION.

IT MAY NOT BE THE SAME ROCKET

499

00:42:31,730 --> 00:42:38,769

AND SAME LOCATION EVERY TIME.
WE MIGHT PROVIDE A FEW FLIGHTS.

500

00:42:38,769 --> 00:42:45,450

WE WILL JUST HAVE TO SEE AS THE
WORK ASSESSMENTS WITH THE

501

00:42:45,450 --> 00:42:50,310

PROVIDERS GOES.

>> NEXT WE HAVE DANA HOLE.

502

00:42:50,310 --> 00:42:54,310

>> YES, HI THANKS FOR TAKING THE
CALL.

503

00:42:54,310 --> 00:42:57,910

SO FOR EACH COMPANY AND IT HASs
A MINIMUM OF THE SIX MISSIONS.

504

00:42:57,910 --> 00:43:03,680

IS IT FAIR TO DESCRIBE A
STRAIGHT THREE WAY SPLIT OR THE

505

00:43:03,680 --> 00:43:06,170

MONITORING AMOUNTS COULD DIFFER
WILDLY.

506

00:43:06,170 --> 00:43:12,220

I GUESS THAT PART OF THE E
QUESTION IS WHAT THE COST THAT

507

00:43:12,220 --> 00:43:19,839

EACH COMPANIES BEEN.

>> IT HAS A MINIMUM OF SIX PER

508

00:43:19,839 --> 00:43:26,590

SELECTING, SO IN THAT SENSE
EVERYONE IS GOING TO GET THE

509

00:43:26,590 --> 00:43:29,500

MINIMUM.

IT'S LIKELY THAT WE WILL BUY

510

00:43:29,500 --> 00:43:33,349

MORE THAN 18 FLIGHTS.

WE HAVE THREE WINNERS.

511

00:43:33,349 --> 00:43:35,799

IF WE NEED MORE THAN 18 FLIGHT
ITSELF, WE WILL TALK ABOUT WHAT

512

00:43:35,799 --> 00:43:41,660

HAPPENS FROM THERE.
DEPENDS ON HOW YOU'RE LOOKING AT

513

00:43:41,660 --> 00:43:50,770

IT AND THE COST FROM THE IS
PROVIDERS AND THEN DO THEY LOOK

514

00:43:50,770 --> 00:43:52,210

DIFFERENT.
THE CAPABILITIES ARE DIFFERENT.

515

00:43:52,210 --> 00:43:58,369

IT'S HARD TO GO AND MATCH UP
EXACTLY, YOU KNOW, WHICH ONE.

516

00:43:58,369 --> 00:44:03,880

IS IT A 33†PERCENT OR 34†PERCENT
SPLIT.

517

00:44:03,880 --> 00:44:07,650

FROM A STRAIGHT BUY, YOU CAN SAY
YES.

518

00:44:07,650 --> 00:44:11,259

>> OKAY.
NEXT WE HAVE JAMES DEAN WITH

519

00:44:11,259 --> 00:44:14,130

FLORIDA TODAY.
JAMES?

520

00:44:14,130 --> 00:44:17,650

>> HI, THANK YOU.
BECAUSE THE DREAM CHASER HAS NOT

521
00:44:17,650 --> 00:44:21,700
THROWN YET, IS THERE A
REQUIREMENT FOR IT AGAIN BEFORE

522
00:44:21,700 --> 00:44:26,109
IT GETS THE CONTRACT ADMISSIONS
AND ANY CHANGES TO THE IN COME

523
00:44:26,109 --> 00:44:49,480
VEHICLES?
DO I EXPECT SIERRA TO HAVE TEST

524
00:44:49,480 --> 00:44:52,410
FLIGHTS?
ABSOLUTELY BUDDY.

525
00:44:52,410 --> 00:44:56,769
YOU'RE BUYING A SERVICE AND HERE
ARE THE REQUIREMENTS.

526
00:44:56,769 --> 00:45:01,829
WE'RE BUYING ONE, AND THIS IS
HOW IT IS.

527
00:45:01,829 --> 00:45:08,970
THE BIGGEST DIFFERENCE THAT YOU
WILL SEE IS SOME OF THEES ARE

528
00:45:08,970 --> 00:45:11,369
BIRTHING AND SOME OF THESE ARE
DOCKING.

529
00:45:11,369 --> 00:45:18,680
SOME OF THESE WILL FLY UP AND
THEN THERE'S†-- THE CREW DOES

530
00:45:18,680 --> 00:45:24,140
NOT HAVE TO OPERATE AT ALL TO
MAKE THEM SUCCESSFUL.

531

00:45:24,140 --> 00:45:28,390

IT'S AN AUTOMATION AND TASK THAT
HAS TO HAPPEN.

532

00:45:28,390 --> 00:45:35,160

THAT'S GOING TO BE REALLY COOL.
THE BIRTHING MISSION REQUIRES

533

00:45:35,160 --> 00:45:39,109

ISS CREW MEMBERS AND THEY HAVE
TO OPERATE THE ARM.

534

00:45:39,109 --> 00:45:44,910

YOU MIGHT ASK WHY IN THE WORLD
WOULD YOU SELECT THAT?

535

00:45:44,910 --> 00:45:47,720

SOME OF THE CARGO THAT WE HAVE
IS REALLY BIG.

536

00:45:47,720 --> 00:45:53,180

SO IT'S REALLY LARGE AND WE HAVE
THE ABILITY TO MOVE RACKS AND TO

537

00:45:53,180 --> 00:45:59,480

A BIRTHING MATCH.
DOCKING HATCHES ARE ABOUT THE

538

00:45:59,480 --> 00:46:05,170

SIZE OF A HUMAN AND IT'S REALLY
AGAIN WHAT DO WE NEED IN TERMS

539

00:46:05,170 --> 00:46:08,529

OF A MIX AT ANY GIVEN TIME ON
THE ISS.

540

00:46:08,529 --> 00:46:17,289

AS FAR AS THE DETAILS AND
PROPOSAL AND WATER LANDING,

541

00:46:17,289 --> 00:46:19,579

THERE ARE SOME THAT TALK ABOUT A
LAND LANDING.

542

00:46:19,579 --> 00:46:23,779

I DON'T KNOW HOW MUCH DETAIL WE
CAN TALK ABOUT IT AT THIS TIME.

543

00:46:23,779 --> 00:46:28,309

LET ME DIFFER THE ANSWER TO YOUR
QUESTION HERE A LITTLE BIT AND

544

00:46:28,309 --> 00:46:31,390

WE CERTAINLY WILL PROVIDE IT
SHORTLY.

545

00:46:31,390 --> 00:46:40,470

>> NEXT UP IS STEPHEN CLARK.
>> HI, THANKS FOR TAKING MY

546

00:46:40,470 --> 00:46:43,109

QUESTION.
I WAS WONDERING IF HE WAS

547

00:46:43,109 --> 00:46:51,140

CONSIDERING HOW MANY FLIEKTS
WERE AWARDED TO US AND THEN

548

00:46:51,140 --> 00:46:54,269

CONTRACTORS ARE STILL TEN OR 15
RESPECTFULLY.

549

00:46:54,269 --> 00:46:57,480

DO YOU EXPECT TO ISSUE ANYMORE
TAX ORDERS.

550

00:46:57,480 --> 00:47:07,269

ARE YOU BRIEFING THE GAPS THAT
WERE MADE WITH CR 1 AND THE CR 2

551
00:47:07,269 --> 00:47:09,160
MISSION?
THANKS.

552
00:47:09,160 --> 00:47:14,480
>> THE ANSWER FOR THE SECOND
QUESTION IS YES.

553
00:47:14,480 --> 00:47:24,779
WE LIKE THE
BRIDGE THE GAP IF

554
00:47:24,779 --> 00:47:27,941
YOU WILL BETWEEN CRS 1 AND CRS
2.

555
00:47:27,941 --> 00:47:35,739
WE HAVE A PROPOSAL ON OUR HANDS
AND UNDER CRS 1 FOR SOME

556
00:47:35,739 --> 00:47:41,150
FLIGHTS.
WE ARE STILL EVALUATING, AND SO

557
00:47:41,150 --> 00:47:44,130
THE SECOND QUESTION AND ANSWER
IS YES.

558
00:47:44,130 --> 00:47:49,160
AS FAR AS THE PA SIMILAR I CAN
NUMBERS BUT I DON'T HAVE THE

559
00:47:49,160 --> 00:47:54,650
DATA TO GO FROM MY MEMB BY, I
WOULD RATHER TAKE A NOTE AND WE

560
00:47:54,650 --> 00:48:13,440
WILL GET THAT ENTITY JUST A FEW
MINUTES AFTER WE'RE DONE.

561
00:48:13,440 --> 00:48:17,579
>> PRESS STAR ONE TO MAKE SURE
THAT YOU'RE IN RQ.

562
00:48:17,579 --> 00:48:30,499
NEXT UP

563
00:48:30,499 --> 00:48:38,460
TO HENRY VIA SATELLITE.
--

564
00:48:38,460 --> 00:48:45,640
[INAUDIBLE]
>> YEAH, THE NEW CONTRACT IS THE

565
00:48:45,640 --> 00:48:49,650
SILENCE ON THAT.
TODAY UNDER THE CRS 1 AS YOU

566
00:48:49,650 --> 00:48:55,420
KNOW WE'RE FLYING DEPLOY ERS AND
LAUNCHING NOT ONLY THEM BY THE

567
00:48:55,420 --> 00:49:01,250
WAY BUT OTHER DEPLOY ERS.
WE LAUNCHED ANOTHER ONE ON THE

568
00:49:01,250 --> 00:49:10,510
LAST ORBITAL FLIGHT HERE.
YES, I EXPECT THAT THEY WILL

569
00:49:10,510 --> 00:49:16,359
CONTINUE TO DO THE SMALL
SATELLITE.

570
00:49:16,359 --> 00:49:29,710
THEY'RE THERE FOR THE LAB AND I
EXPECT THAT TO CONTINUE AND TO

571

00:49:29,710 --> 00:49:33,210
GROW.
IT WAS NOT ADDRESS IN THE

572
00:49:33,210 --> 00:49:36,930
CONTRACT AND IT'S ONE OF THE
GOALS THAT I MENTIONED EARLIER

573
00:49:36,930 --> 00:49:41,999
TO FOSTER AS THE COMMON GAME AS
WE KNOW AND IT KEEPS A GROWING

574
00:49:41,999 --> 00:49:46,989
PORTION.
>> ALL RIGHT.

575
00:49:46,989 --> 00:49:49,069
WE'RE GOING BRING IT BACK HERE
INSIDE OF THE ROOM REAL QUICK.

576
00:49:49,069 --> 00:49:51,299
WE HAVE THE ROOM FOR A FOLLOW
UP.

577
00:49:51,299 --> 00:49:55,789
ROBERT, YOU HAD HAD ONE REAL
QUICK.

578
00:49:55,789 --> 00:49:59,410
>> IT WAS MENTIONED THAT UNDER
CR 2 YOU HAVE TO INCREASE THE

579
00:49:59,410 --> 00:50:10,140
MASS ON ALL THREE VEHICLES.
IS THAT NEW AND CAN YOU CLARIFY

580
00:50:10,140 --> 00:50:21,909
THE THINGS OFFER MORE MASS THAN
JUST DOING IT.

581

00:50:21,909 --> 00:50:27,599
>> SO SO IT WAS A MINIMUM.
I MENTIONED A 2.5 TO FIVE METRIC

582
00:50:27,599 --> 00:50:32,660
TONS OF CARGO THAT THEY HAD HAD
THE MEET IN ORDER TO COMPLETE

583
00:50:32,660 --> 00:50:39,912
FOR 3 TO THE 2.
I WOULD TELL YOU THAT IT'S

584
00:50:39,912 --> 00:50:41,079
DIFFERENT.
THE ACT TO DO ONE IS DIFFERENT

585
00:50:41,079 --> 00:50:43,430
FROM THE ABILITY TO IN
TOLERATIONAL THERE ISN'T A CRISP

586
00:50:43,430 --> 00:50:46,380
ANSWER TO YOUR QUESTION.
WHAT IS GOING TO GO IS GO O

587
00:50:46,380 --> 00:50:48,210
OFFER IF ADMISSIONS.
IS IT DIFFERENT, YES I EXPECT IT

588
00:50:48,210 --> 00:50:50,089
TO BE DIFFERENT.
THAT'S THE DETAILS.

589
00:50:50,089 --> 00:50:52,109
>> OKAY.
WE DO TIME FOR A COUPLE OF MORE.

590
00:50:52,109 --> 00:50:53,920
MIRDZA, AND DIFFERENT ROCKETS.
DOES THAT THAN IT'S GOING TO BE

591

00:50:53,920 --> 00:50:55,410
FLEXIBLE AS TO LIKE YOU RINING
ON THE ADREAM WAY.

592
00:50:55,410 --> 00:50:57,029
I HAVE HEARD OF MARK AND THEM
TALKING ABOUT THE DREAM AND YOU

593
00:50:57,029 --> 00:51:00,000
CAN PROEBLG ASK MINIMUM WHERE
YOU MIGHT COULD LAND FOR US

594
00:51:00,000 --> 00:51:02,829
YOULY LIKES THE SAMPLES, AND WE
CONTINUE HAVE A†-- AT THE

595
00:51:02,829 --> 00:51:03,829
AIRPORT, WE DON'T HAVE THAT MUCH
LAND.

596
00:51:03,829 --> 00:51:07,339
AIR TRAFFIC CORRAL ERS WOULD.
>> OTHER HAS BEEN TO SAY THAT

597
00:51:07,339 --> 00:51:10,049
IT'S GOING LAUNCH IN ROCKET AND
WE'RE GOING LAND NEXT THE

598
00:51:10,049 --> 00:51:11,599
FACILITIES AND SUPPORT THE ERIE
SEARCH.

599
00:51:11,599 --> 00:51:16,359
>> NEXT THE IS KEN AND SO THE
234U78 ER ONE AND NUMBER TWO BY

600
00:51:16,359 --> 00:51:19,289
THE WAY IF ANYONE DRAWS A 12
MONTH PERIOD, YOU KNOW DEPENDING

601

00:51:19,289 --> 00:51:23,239
ON WHERE IT FALLS IT MAYBE MORE
OR LESS.

602
00:51:23,239 --> 00:51:28,039
THAT'S WHY I DID NOT WANT
ANYBODY TO GO AND BEAT ME OVER

603
00:51:28,039 --> 00:51:29,039
THE HEAD.
SO?

604
00:51:29,039 --> 00:51:32,720
GENERAL WE EXPECT FOUR FLIEKTS
AND THE PROCESS VEHICLE IS THE

605
00:51:32,720 --> 00:51:35,180
RUSSIAN VEHICLE.
THE RUSSIANS HAVE RESPONSIBILITY

606
00:51:35,180 --> 00:51:40,349
TO LAUNCH THEIR CARGO AND SO I
DON'T SEE ANYTHING HAPPENING AND

607
00:51:40,349 --> 00:51:47,150
THIS HAS NO IMPACT ON THE
RUSSIAN ABILITY FOR ISS.

608
00:51:47,150 --> 00:51:49,490
>> ALL RIGHT.
NOW WE HAVE FRANK MOURNING WITH

609
00:51:49,490 --> 00:51:50,490
AVIATION WEEK.
FRANK?

610
00:51:50,490 --> 00:51:53,010
>> THANK YOU AGAIN.
KURT, I BELIEVE NEVADA HAD A

611

00:51:53,010 --> 00:51:56,430
SEPARATE CARGO MODULE LIKE A
TRAILER BEHIND THE LIFTING OF

612
00:51:56,430 --> 00:51:59,670
THE BODY SHAPE.
IS THAT PART OF THIS CONTRACT,

613
00:51:59,670 --> 00:52:04,269
AND HOW WOULD YOU USE THAT NEW
CAPABILITIES OR PLANNED CAPE

614
00:52:04,269 --> 00:52:05,701
BLTH.
THE QUALITY OF PRESSURE IEDSED

615
00:52:05,701 --> 00:52:07,890
CARGO THAT'S PROBABLY THE MOST
THAT I COULD SAY AT THIS POINT

616
00:52:07,890 --> 00:52:10,309
IN TIME.
IT'S A GOOD VEHICLE, AND WE'RE

617
00:52:10,309 --> 00:52:12,789
LOOKING FORWARD TO HAVE THAT AND
CARRY THE CARGO OUT.

618
00:52:12,789 --> 00:52:15,560
>> OKAY.
I AM GOING TO BRING IT BACK IN

619
00:52:15,560 --> 00:52:20,569
THE ROOM FOR THE FOLLOW UPS.
ERIC, DO YOU HAVE ONE?

620
00:52:20,569 --> 00:52:23,390
>> YEAH, ERIC HERE AND YOU
TALKED ABOUT THE LANDING CAPE

621

00:52:23,390 --> 00:52:25,292
KTS OF DREAM CHASING AND THEN
COULD THAT LAND SOMEWHERE AND

622
00:52:25,292 --> 00:52:28,750
GIVEN THE LOCATION FOR THAT AND
THEN HOW LONG, I THINK THAT

623
00:52:28,750 --> 00:52:31,520
THREE OR SIX HOURS WAS A DREAM
CHASER.

624
00:52:31,520 --> 00:52:35,330
IS LONG IS IT BEFORE YOU CAN GET
IT OFF LINE.

625
00:52:35,330 --> 00:52:37,910
>> THE DRAGON RIGHT NOW THE
PROPOSAL WAS SIX HOURS FOR EARLY

626
00:52:37,910 --> 00:52:40,670
CAPE KTS AND WE LOOK FORWARD TO
THAT.

627
00:52:40,670 --> 00:52:43,780
THEY HAVE A LAND LANDING AND A
WATER LANDING.

628
00:52:43,780 --> 00:52:48,470
GAIN IT DEPENDING ON THE TYPE OF
ADMISSION THAT WE PICK TO O GO

629
00:52:48,470 --> 00:52:51,140
BY.
IN EITHER CASE, WE WILL HAVE TO

630
00:52:51,140 --> 00:52:59,910
ABILITY TO HAVE A SIX HOUR.
I THINK THAT THE LAND LANING WAS

631

00:52:59,910 --> 00:53:05,040
A THREE HOUR RECOVERY CAPABILITY
AND SO AGAIN I WILL TELL YOU

632
00:53:05,040 --> 00:53:11,829
THAT I AM EXCITED ABOUT THE CAPE
KTS THAT WE HAVE AND OUR ACT TO

633
00:53:11,829 --> 00:53:15,339
GO AND SELECT THE DIFFERENT
TYPES OF MISSIONS.

634
00:53:15,339 --> 00:53:18,749
IT'S GOING TO BE ALLOW THE
FLEXIBILITIES.

635
00:53:18,749 --> 00:53:21,220
>> SO I HEAR THAT YOU'RE
RECRUTEDING ON A NEW†-- WHAT'S

636
00:53:21,220 --> 00:53:25,829
THE KIND OF MESSAGE THAT DOES
THIS SEND TO THEM ON WHAT THEY

637
00:53:25,829 --> 00:53:29,210
WILL BE ABLE TO DO WHEN THEY
COME TO NASA?

638
00:53:29,210 --> 00:53:31,150
>> WELL, THERE'S A VEHICLE OF
VEHICLES THAT THE ASTRO NAUGHTS

639
00:53:31,150 --> 00:53:34,559
FLY ON.
WE WANT THEM TO FLY ON THE SPACE

640
00:53:34,559 --> 00:53:37,970
STATION, AND WE HAVE A COUPLE OF
U.S. VEHICLES IN DEVELOPMENT TO

641

00:53:37,970 --> 00:53:40,740
DO THAT AND AS WELL AS
CONTINUING WITH THE FLU AND THEN

642
00:53:40,740 --> 00:53:42,849
THEY'RE SAYING THAT WE CAN MAKE
THE PLANS TO MAKE SURE THAT WE

643
00:53:42,849 --> 00:53:46,280
HAVE THE TOTAL OF SEVEN CREW
MEMBERS THAT WOULD PLY UP ON THE

644
00:53:46,280 --> 00:53:49,930
CAPABILITY AND COMMERCIAL CREW
AND SO IT'S ALL PART OF THE KICK

645
00:53:49,930 --> 00:53:50,930
CHUR TO SUPPORT ISS IN THE
FUTURE.

646
00:53:50,930 --> 00:53:54,809
>> WE WILL TAKE A FEW MORE
FOLLOW UPS ON THE PAGE.

647
00:53:54,809 --> 00:53:59,249
>> IS IT CORRECT TO SAY THAT THE
AWARDS COMPLETE THE FLEET OF

648
00:53:59,249 --> 00:54:04,180
VEHICLES THAT WILL VISIT THE ISS
AND THEN THE OPERATIONS WITH 24

649
00:54:04,180 --> 00:54:06,919
O WERE ANY OTHER THAT CAN COME
INTO THE PICTURE?

650
00:54:06,919 --> 00:54:12,539
>> YEAH, I CAN ANSWER WE HAVE NO
OTHER VEHICLES AND THEN THE

651

00:54:12,539 --> 00:54:16,589
CARGO VEHICLES AND THEN IT'S
IMPORTANT FOR CARRYING THE

652
00:54:16,589 --> 00:54:20,160
CARGO, AND THEY WILL CONTINUE
AND THAT PROVIDED BY THE

653
00:54:20,160 --> 00:54:23,489
JAPANESE SPACE EXPLORATION.
THAT'S OUR†-- THAT'S THE ONLY

654
00:54:23,489 --> 00:54:27,829
THING THAT WE HAVE PLANNED IN
THE POINT IN TIME.

655
00:54:27,829 --> 00:54:31,650
THE RUSSIANS HAVE TALKED ABOUT A
NUMBER OF VEHICLES THAT THEY

656
00:54:31,650 --> 00:54:36,990
HAVE PLANNED TO GO AND BUILD.
NO NUMBER ONE AND NUMBER TWO IS

657
00:54:36,990 --> 00:54:40,819
THE RUSSIAN PHILOSOPHY AND
THAT'S EVOLUTION.

658
00:54:40,819 --> 00:54:48,160
I DON'T WANT TO SPEAK FOR THE
RUSSIANS, BUT YOU WOULD HAVE TO

659
00:54:48,160 --> 00:54:50,299
TALK ABOUT THEM ABOUT THE
SPECIFICS OF THE THING.

660
00:54:50,299 --> 00:54:51,299
>> OKAY.
NOW IRENE.

661

00:54:51,299 --> 00:54:52,339

>> OKAY.

CAN YOU TALK ABOUT BACK IN

662

00:54:52,339 --> 00:54:57,150

NOVEMBER THEY WERE QUIT PUBLIC
ABOUT THE DECISION, AND ANY

663

00:54:57,150 --> 00:55:03,819

REASON SPECIFICALLY FOR THE
DELAY IN THE FIRST FLIGHT UNDER

664

00:55:03,819 --> 00:55:07,180

THE NEW CONTRACT FROM 2018-2019?
THANK YOU.

665

00:55:07,180 --> 00:55:14,720

>> RELATIVELY TO BOEING, I AM
NOT SURE WHAT I CAN SAY AT THIS

666

00:55:14,720 --> 00:55:17,010

POINT IN TIME.
I WANT TO DIFFER THAT.

667

00:55:17,010 --> 00:55:19,900

AT THE RIGHT TIME, WE CAN
DISCUSS THAT FURTHER.

668

00:55:19,900 --> 00:55:24,440

WE HAVE TO HAVE BRIEFINGS WITH
THE OFFER AND THEN IF I CAN I

669

00:55:24,440 --> 00:55:26,430

WOULD LIKE TO DIFFER FROM
ANSWERING THAT QUESTION.

670

00:55:26,430 --> 00:55:29,200

I PROMISE TO ANSWER THAT IN THE
FUTURE.

671

00:55:29,200 --> 00:55:35,190
LET'S SEE AND THE O OPINION†--
CAN YOU REMIND ME OF THE SECOND

672
00:55:35,190 --> 00:55:39,510
PART OF THE QUESTION?
>> OF THE CHANGE OF TARGET

673
00:55:39,510 --> 00:55:42,059
LAUNCH UNDER THE CONTRACT IN
2018-2019.

674
00:55:42,059 --> 00:55:44,950
>> YES, WE DELAYED THIS A NUMBER
OF TIMES.

675
00:55:44,950 --> 00:55:49,650
IT WAS VERY COMP WILL COLLATED
AND WE HAD MULTIPLE OFFICERS AS

676
00:55:49,650 --> 00:55:57,700
YOU KNOW AND IT TOOK US A WHILE
AND THEN THE ADMISSION TYPES OF

677
00:55:57,700 --> 00:56:00,650
THE VEHICLES AND THEN JUST
TURNED OUT TO BE A COMPLICATED

678
00:56:00,650 --> 00:56:03,359
PROCESS.
OF THE RESULTS AND TAKING THE

679
00:56:03,359 --> 00:56:08,200
TIME OF THE DETAILS AND MAKING
THE RIGHT CHOICE FOR NASA AND

680
00:56:08,200 --> 00:56:10,890
THE UNITED STATES, THAT CAUSED
US TO DELAY.

681

00:56:10,890 --> 00:56:13,619
IF YOU LOOK AT EACH CONTRACT AND
OFFER SAYS HEY, I NEED SO MUCH

682
00:56:13,619 --> 00:56:20,170
TIME TO INTERGRATE AND TO DO MY
ISS AND THEN SO MUCH TIME TO

683
00:56:20,170 --> 00:56:23,270
BUILD ANY VEHICLE BEFORE I AM
READY TO FLY.

684
00:56:23,270 --> 00:56:29,489
WHEN YOU PUT THAT TOGETHER, IT
PUTS THEM IN THE LATTER HALF.

685
00:56:29,489 --> 00:56:35,799
SO THE REAL REASON FOR THE DELAY
WAS BEING DELIBERATE AND CAREFUL

686
00:56:35,799 --> 00:56:40,880
AND MAKING THE RIGHT DECISION
AND THAT YOU HEARD TODAY.

687
00:56:40,880 --> 00:56:43,809
THAT'S CAUSED US TO DELAY A
LITTLE BIT.

688
00:56:43,809 --> 00:56:48,640
>> OKAY.
WE HAVE TIME FOR TWO MORE ON THE

689
00:56:48,640 --> 00:56:50,779
PHONE.
>> YES, THANK YOU.

690
00:56:50,779 --> 00:56:56,829
I WAS WONDERING IF YOU CAN
COMMENT ON HOW DYNAMIC IT WILL

691

00:56:56,829 --> 00:57:02,880
BE AND FOR EXAMPLE IF YOU WERE
TO ORDER THE SAME MISSION FROM A

692
00:57:02,880 --> 00:57:05,580
CONTRACTOR MULTIPLE TIMES, WOULD
YOU ANTICIPATE THAT IT WOULD

693
00:57:05,580 --> 00:57:15,510
STEP DOWN OVER TIME, AND AS YOU
ISSUE THEM, ARE YOU GOING KEEP

694
00:57:15,510 --> 00:57:23,440
THEM AMONG THE CONTRACTORS AND
BASED ON THAT PRICE?

695
00:57:23,440 --> 00:57:26,240
>> THE PRICE OF THE VARIOUS
OFFER†-- AT THIS POINT IN TIME

696
00:57:26,240 --> 00:57:29,970
WE'RE NOT READY TO RELEASE THAT.
I DON'T KNOW IF WE'RE EVER GOING

697
00:57:29,970 --> 00:57:38,890
TO BE READY.
SO IT'S HARD TO ANSWER THE

698
00:57:38,890 --> 00:57:49,900
QUESTION AND THE FACT THAT EACH
MISSION TYPE AND PROVIDER IS

699
00:57:49,900 --> 00:57:53,890
DIFFERENT.
THERE'S NOT REALLY GOING TO BE

700
00:57:53,890 --> 00:58:01,920
AN APPLE TO APPLE COMPARISON.
AS WE GO FORWARD AND ISSUE THE

701

00:58:01,920 --> 00:58:04,489
TASK TO GO, THERE'S A MINIMUM
REQUIREMENT AND YOU CAN

702
00:58:04,489 --> 00:58:16,979
GUARANTEE AND WE CAN GUARANTEE
THAT WE WILL BUY SIX FROM EACH

703
00:58:16,979 --> 00:58:24,010
ONE OF THEM AND BEYOND THAT
AGAIN AND EVEN WITHIN THAT AND

704
00:58:24,010 --> 00:58:35,390
BETWEEN NOW AND 2024, WE WILL
SEE WHAT WE NEED AT ANY BEGIN

705
00:58:35,390 --> 00:58:44,839
TIME.
PRICE IS GOING TO BE A FACTOR,

706
00:58:44,839 --> 00:58:50,210
BUT IT'S ONE OF MANY MANY
FACTORS.

707
00:58:50,210 --> 00:58:54,859
I DON'T SEE IT AS GOING OUT AND
BUYING GAS.

708
00:58:54,859 --> 00:58:56,569
IT'S MUCH MORE COMPLICATED THAN
THAT.

709
00:58:56,569 --> 00:59:01,409
THE PRICE IS REALLY SIX OR SEVEN
AND NOT THE DRIVING REQUIREMENT.

710
00:59:01,409 --> 00:59:04,319
>> OKAY.
AND LASTLY OVER TO KEN WITH THE

711

00:59:04,319 --> 00:59:10,779

NEW YORK TIMES AGAIN.

>> OKAY.

712

00:59:10,779 --> 00:59:17,269

THANKS.

CAN YOU GIVE US A MINIMUM OF THE

713

00:59:17,269 --> 00:59:21,569

CONTRACTS BY MULTIPLYING SIX BY
THE CHEAPEST OPTION.

714

00:59:21,569 --> 00:59:30,349

>> I COULD, YES I COULD.

BUT I WON'T.

715

00:59:30,349 --> 00:59:42,720

AGAIN I APPRECIATE YOUR EARS AND
EAGERNESS TO KNOW, BUT THAT'S

716

00:59:42,720 --> 00:59:44,400

NOT INFORMATION THAT WE CAN GIVE
AT THIS TIME.

717

00:59:44,400 --> 00:59:46,349

THE COMPETITION WAS VERY
COMPETITIVE.

718

00:59:46,349 --> 00:59:50,380

AS YOU WILL SEE THE COURSE AND
THE CRITERIA FOR MAKING THE

719

00:59:50,380 --> 00:59:56,329

SOURCE COLLECTION AND PRICE WAS
A VERY IMPORTANT IN TERMS OF

720

00:59:56,329 --> 00:59:58,840

SELECTING THESE THREE COMPANIES
AND THEY'RE OFFERINGS.

721

00:59:58,840 --> 01:00:08,049
THEY'RE SO DIVERSE IN THE
CAPABILITIES AND I WILL TELL YOU

722
01:00:08,049 --> 01:00:11,021
THAT IT'S WAY UNDER SIGNIFICANT
AND WAY UNDER THE MAXIMUM

723
01:00:11,021 --> 01:00:17,829
CONTRACT VALUE THAT I MENTIONED
EARLIER.

724
01:00:17,829 --> 01:00:25,170
I CAN'T GIVE YOU THE ACTUAL
MINIMUM PRICE.

725
01:00:25,170 --> 01:00:31,249
NOT ONLY IMPLIES THAT MEETS ALL
OF THE REQUIREMENTS AND THE

726
01:00:31,249 --> 01:00:34,039
MINIMUM PRICE IS NOT ALL OF
OURS.

727
01:00:34,039 --> 01:02:20,109
UNFORTUNATELY I WILL NOT TELL
YOU THE PRICE OF THE DAY AND

728
01:02:20,109 --> 01:02:48,140
NUMBER TWO

729
01:02:48,140 --> 01:03:05,049
IT'S NOT
THAT CUT AND

730
01:03:05,049 --> 01:03:38,049
DRY.
>> WILL

731
01:03:38,049 --> 01:04:31,729

ALL RIGHT.
I WANT TO

732

01:04:31,729 --> 01:04:34,109

THANK EVERYBODY FOR
JOINING US TODAY AND THANKS

733

01:04:34,109 --> 01:04:39,079

AGAIN TO THE BRIEFERS FOR THE
HISTORIC ANNOUNCEMENT.

734

01:04:39,079 --> 01:04:42,789

AGAIN THE ELECTION AND THE
DETAILS WILL BE RELEASED IN THE

735

01:04:42,789 --> 01:04:47,579

FUTURE AT THE APPROPRIATE TIME.
ANY FOLLOW UP QUESTIONS CAN BE

736

01:04:47,579 --> 01:04:50,529

DIRECTED TO NASA'S OFFICE OF
COMMUNICATION.

737

01:04:50,529 --> 01:04:54,130

YOU CAN READ MORE OF THE YOUR
HONORNY AND THE HUMAN SPACE

738

01:04:54,130 --> 01:04:59,140

FLIGHT AND THE SPACE STATION AND
BEYOND ONLINE AT NASA.GOV.