

AMENDMENT TO H.R. 2687
OFFERED BY MR. SMITH OF TEXAS

Page 5, line 10, insert “, of which \$318,200,000 shall be for Exploration Ground Systems” after “Launch System”.

Page 7, line 8, insert “, of which \$318,200,000 shall be for Exploration Ground Systems” after “Launch System”.

Page 9, lines 6 through 14, strike paragraphs (1) through (3) and insert the following:

1 (1) For all amounts of an increase less than or
2 equal to \$728,400,000:

3 (A) One third of such increase shall be for
4 the International Space Station Program.

5 (B) One third of such increase shall be for
6 the Space Launch System.

7 (C) One third of such increase shall be di-
8 vided evenly between—

9 (i) Commercial Crew Development ac-
10 tivities; and

11 (ii) the Orion crew capsule.

1 (2) For all amounts of an increase greater than
2 \$728,400,000, the first \$728,400,000 shall be allo-
3 cated under paragraph (1) and the remainder of the
4 increase shall be allocated as follows:

5 (A) One third of such increase shall be for
6 the International Space Station Program.

7 (B) One third of such increase shall be for
8 the Space Launch System.

9 (C) One third of such increase shall be di-
10 vided evenly between—

11 (i) Space Technology; and

12 (ii) the Orion crew capsule.

Page 10, line 3, insert “, commercial partners, and other not-for-profit partners” after “international partners”.

Page 11, line 8, insert “, commercial collaborations, and other not-for-profit collaborations” after “international collaborations”.

Page 11, line 9, strike “an international partner” and insert “such partnerships”.

Page 14, after line 5, insert the following new subsection:

13 (g) FULLEST COMMERCIAL USE OF SPACE.—

1 (1) REPORT.—Not later than 90 days after the
2 date of enactment of this Act, the Administrator
3 shall transmit to the Committee on Science, Space,
4 and Technology of the House of Representatives and
5 the Committee on Commerce, Science, and Trans-
6 portation of the Senate a report on current and con-
7 tinuing efforts by the Administration to “seek and
8 encourage, to the maximum extent possible, the full-
9 est commercial use of space,” as described in section
10 20102(c) of title 51, United States Code.

11 (2) ELEMENTS.—The report required under
12 subsection (a) shall include—

13 (A) an assessment of the Administration’s
14 efforts to comply with the policy;

15 (B) an explanation of criteria used to de-
16 fine compliance;

17 (C) a description of programs, policies, and
18 activities the Administration is using, and will
19 continue to use, to ensure compliance;

20 (D) an explanation of how the Administra-
21 tion could expand on the efforts to comply; and

22 (E) a summary of all current and planned
23 activities pursuant to this policy.

24 (h) BARRIERS TO FULLEST COMMERCIAL USE OF
25 SPACE.—Not later than 90 days after the date of enact-

1 ment of this Act, the Administrator shall transmit to the
2 Committee on Science, Space, and Technology of the
3 House of Representatives and the Committee on Com-
4 merce, Science, and Transportation of the Senate a report
5 on current and continuing efforts by the Administration
6 to reduce impediments, bureaucracy, redundancy, and
7 burdens to ensure the fullest commercial use of space as
8 required in section 20102(c) of title 51, United States
9 Code.

Page 15, line 8, through page 16, line 10, redesignate paragraph (2) through (6) as paragraphs (3) through (7), respectively.

Page 15, after line 7, insert the following new paragraph:

10 “(2) describe those technologies already under
11 development across the Federal Government or by
12 nongovernment entities which meet or exceed the
13 needs described in paragraph (1);

Page 21, after line 21, insert the following new subsection:

14 (e) NAMING COMPETITION.—Beginning not later
15 than 180 days after the date of enactment of this Act and
16 concluding not later than 1 year after such date of enact-
17 ment, the Administrator shall conduct a well-publicized

1 competition among students in elementary and secondary
2 schools to name the elements of the Administration’s ex-
3 ploration program, including—

4 (1) a name for the deep space human explo-
5 ration program as a whole, which includes the Space
6 Launch System, the Orion crew capsule, lunar
7 landers, and future missions; and

8 (2) a name for the Space Launch System.

Page 23, line 5, strike “and”.

Page 23, line 9, strike the period and insert “; and”.

Page 23, after line 9, insert the following new para-
graph:

9 (3) outlines any potential schedule delay to the
10 Space Launch System 2017 EM-1 launch as a result
11 of increased costs associated with conducting a com-
12 petition for an advanced booster.

Page 23, line 12 , insert “and no adverse schedule
impact pursuant to paragraph (3),” after “subsection
(a),”.

Page 36, line 3, through page 37, line 13, amend
section 215 to read as follows:

1 **SEC. 215. AEROSPACE SAFETY ADVISORY PANEL ADVICE.**

2 (a) IMPORTANCE.—Congress reaffirms the impor-
3 tance of the Aerospace Safety Advisory Panel in providing
4 advice to the Administrator and Congress in accordance
5 with the duties prescribed in section 31101 of title 51,
6 United States Code.

7 (b) INITIAL REPORT.—Not later than 30 days after
8 the date of enactment of this Act, the Administrator shall
9 report to the Committee on Science, Space, and Tech-
10 nology of the House of Representatives and the Committee
11 on Commerce, Science, and Transportation of the Senate
12 on the extent to which the Administration has followed,
13 intends to follow, or does not intend to follow the advice
14 in the 2012 Annual Report of the Aerospace Safety Advi-
15 sory Panel.

16 (c) ANNUAL REPORTS.—Section 31101 of title 51,
17 United States Code, is amended by striking subsection (e)
18 and inserting the following:

19 “(e) PANEL ANNUAL REPORT.—The Panel shall sub-
20 mit an annual report to the Administrator and to Con-
21 gress. The Panel shall include in such report an evaluation
22 of the Administration’s management and culture related
23 to safety. Each annual report shall include an evaluation
24 of the extent to which the Administration follows the Pan-
25 el’s advice.

1 “(f) ADMINISTRATOR ANNUAL REPORT.—Not later
2 than 30 days after each annual report by the Panel under
3 subsection (e), the Administrator shall report to the Com-
4 mittee on Science, Space, and Technology of the House
5 of Representatives and the Committee on Commerce,
6 Science, and Transportation of the Senate on the extent
7 to which the Administration has followed, intends to fol-
8 low, or does not intend to follow the Panel’s advice.”.

Page 44, after line 7, insert the following new section:

9 **SEC. 305. UTILIZATION OF INTERNATIONAL SPACE STA-**
10 **TION FOR SCIENCE MISSIONS.**

11 The Administrator shall utilize the International
12 Space Station and commercial services for Science Mission
13 Directorate missions in low-Earth orbit wherever it is
14 practical and cost effective to do so.

Page 45, line 5, insert “, commercial partners, and other not-for-profit partners” after “international partners”.

Page 49, line 19, strike “The Administrator” and insert “The Director of the Office of Science and Technology Policy and the Administrator”.

Page 67, before line 5, insert the following new section:

1 **SEC. 502. UTILIZATION OF THE INTERNATIONAL SPACE**
2 **STATION FOR TECHNOLOGY DEMONSTRA-**
3 **TIONS.**

4 The Administrator shall utilize the International
5 Space Station and commercial services for Space Tech-
6 nology Demonstration missions in low-Earth orbit wher-
7 ever it is practical and cost effective to do so.

Page 68, after line 7, insert the following new sub-
section:

8 (d) CONTINUATION OF SPACE GRANT PROGRAM.—
9 The Administrator shall continue to operate the National
10 Space Grant College and Fellowship program through a
11 national network consisting of a State-based consortium
12 in each State that provides flexibility to the States, with
13 the objective of providing hands-on research, training, and
14 education programs, with measurable outcomes, to en-
15 hance America’s STEM education and workforce.

Page 69, line 12, strike “and”.

Page 69, line 13, redesignate paragraph (4) as para-
graph (5).

Page 69, after line 12, insert the following new
paragraph:

1 (4) a description of the technologies and capa-
2 bilities anticipated to be gained from the proposed
3 mission that will enable future planetary defense
4 missions, against impact threats from near-Earth
5 objects equal to or greater than 140 meters in di-
6 ameter, which could not be gained by current or
7 planned missions; and

Page 79, line 16, insert “National Aeronautics and
Space Administration Authorization Act of 2013,” after
“section 2 of the”.

Page 81, line 3, insert “as well as the status of any
orbital debris mitigation concepts and technological op-
tions that have been developed or funded by any Federal
agency in the past 5 years, or that otherwise show sig-
nificant promise, in the near-term, to mitigate orbital de-
bris” after “wherever possible”.

Page 86, after line 17, insert the following new sec-
tion:

8 **SEC. 714. DETECTION AND AVOIDANCE OF COUNTERFEIT**
9 **ELECTRONIC PARTS.**

10 (a) REGULATIONS.—

11 (1) IN GENERAL.—Not later than 270 days
12 after the date of the enactment of this Act, the Ad-
13 ministrator shall revise the NASA Supplement to

1 the Federal Acquisition Regulation to address the
2 detection and avoidance of counterfeit electronic
3 parts.

4 (2) CONTRACTOR RESPONSIBILITIES.—The re-
5 vised regulations issued pursuant to paragraph (1)
6 shall provide that—

7 (A) Administration contractors who supply
8 electronic parts or products that include elec-
9 tronic parts are responsible for detecting and
10 avoiding the use or inclusion of counterfeit elec-
11 tronic parts or suspect counterfeit electronic
12 parts in such products and for any rework or
13 corrective action that may be required to rem-
14 edy the use or inclusion of such parts; and

15 (B) the cost of counterfeit electronic parts
16 and suspect counterfeit electronic parts and the
17 cost of rework or corrective action that may be
18 required to remedy the use or inclusion of such
19 parts are not allowable costs under Agency con-
20 tracts, unless

21 (i) the covered contractor has an oper-
22 ational system to detect and avoid counter-
23 feit parts and suspect counterfeit electronic
24 parts that has been reviewed and approved

1 by the Administration or the Department
2 of Defense;

3 (ii) the covered contractor provides
4 timely notice to the Administration pursu-
5 ant to paragraph (4); or

6 (iii) the counterfeit electronic parts or
7 suspect counterfeit electronic parts were
8 provided to the contractor as Government
9 property in accordance with part 45 of the
10 Federal Acquisition Regulation.

11 (3) SUPPLIERS OF ELECTRONIC PARTS.—The
12 revised regulations issued pursuant to paragraph (1)
13 shall—

14 (A) require that the Administration and
15 Administration contractors and subcontractors
16 at all tiers—

17 (i) obtain electronic parts that are in
18 production or currently available in stock
19 from the original manufacturers of the
20 parts or their authorized dealers, or from
21 suppliers who obtain such parts exclusively
22 from the original manufacturers of the
23 parts or their authorized dealers; and

24 (ii) obtain electronic parts that are
25 not in production or currently available in

1 stock from suppliers that meet qualifica-
2 tion requirements established pursuant to
3 subparagraph (C);

4 (B) establish documented requirements
5 consistent with published industry standards or
6 Government contract requirements for—

7 (i) notification of the Administration;

8 and

9 (ii) inspection, testing, and authen-
10 tication of electronic parts that the Admin-
11 istration or an Administration contractor
12 or subcontractor obtains from any source
13 other than a source described in subpara-
14 graph (A);

15 (C) establish qualification requirements,
16 consistent with the requirements of section
17 2319 of title 10, United States Code, pursuant
18 to which the Administration may identify sup-
19 pliers that have appropriate policies and proce-
20 dures in place to detect and avoid counterfeit
21 electronic parts and suspect counterfeit elec-
22 tronic parts; and

23 (D) authorize Administration contractors
24 and subcontractors to identify and use addi-

1 tional suppliers beyond those identified pursu-
2 ant to subparagraph (C), provided that—

3 (i) the standards and processes for
4 identifying such suppliers comply with es-
5 tablished industry standards;

6 (ii) the contractor or subcontractor
7 assumes responsibility for the authenticity
8 of parts provided by such suppliers as pro-
9 vided in paragraph (2); and

10 (iii) the selection of such suppliers is
11 subject to review and audit by appropriate
12 Administration officials.

13 (4) **TIMELY NOTIFICATION.**—The revised regu-
14 lations issued pursuant to paragraph (1) shall re-
15 quire that any Administration contractor or subcon-
16 tractor who becomes aware, or has reason to sus-
17 pect, that any end item, component, part, or mate-
18 rial contained in supplies purchased by the Adminis-
19 tration, or purchased by a contractor or subcon-
20 tractor for delivery to, or on behalf of, the Adminis-
21 tration, contains counterfeit electronic parts or sus-
22 pect counterfeit electronic parts, shall provide notifi-
23 cation to the applicable Administration contracting
24 officer within 30 calendar days.

1 (b) DEFINITIONS.—In this section, the term “elec-
2 tronic part” means a discrete electronic component, in-
3 cluding a microcircuit, transistor, capacitor, resistor, or
4 diode that is intended for use in a safety or mission critical
5 application.

