

AMENDMENT TO H.R. 2687

OFFERED BY MS. EDWARDS OF MARYLAND

Page 65, line 13, through page 67, line 4, strike section 501 and insert the following:

1 **SEC. 501. SENSE OF CONGRESS.**

2 It is the sense of Congress that space technology is
3 critical to—

4 (1) enabling a new class of NASA missions be-
5 yond low-Earth orbit;

6 (2) developing technologies and capabilities that
7 will make NASA's missions more affordable and
8 more reliable; and

9 (3) improving technological capabilities and pro-
10 moting innovation for NASA and the Nation.

11 **SEC. 502. SPACE TECHNOLOGY PROGRAM.**

12 (a) ESTABLISHMENT.—The Administrator shall es-
13 tablish a space technology program to enable research and
14 development on advanced space technologies and systems
15 that are independent of specific space mission flight
16 projects. The program shall support—

17 (1) early-stage concepts and innovation;

18 (2) development of innovative technologies in
19 areas such as in-space chemical and electrical pro-

1 pulsion, power generation and storage, liquid rocket
2 propulsion, avionics, structures, and materials that
3 may enable new approaches to human and robotic
4 space missions;

5 (3) flight demonstrations of technologies, in-
6 cluding those that have the potential to benefit mul-
7 tiple NASA mission directorates, other Federal Gov-
8 ernment agencies, and the commercial space indus-
9 try;

10 (4) NASA commitments to Small Business In-
11 novation Research (SBIR) and Small Business
12 Technology Transfer (STTR) programs and activi-
13 ties; and

14 (5) research, development, and demonstration
15 of enabling technologies in support of future explo-
16 ration missions.

17 (b) RESEARCH AND DEVELOPMENT PROGRAM.—In
18 conducting the space technology program established
19 under this section, the Administrator shall—

20 (1) to the maximum extent practicable, use a
21 competitive process to select projects to be supported
22 as part of the program;

23 (2) make use of small satellites and NASA sub-
24 orbital platforms, to the extent practicable, to dem-

1 onstrate space technology concepts and develop-
2 ments; and

3 (3) undertake partnerships with other Federal
4 agencies, universities, private industry, and other
5 spacefaring nations, as appropriate.

6 (c) REPORT.—Not later than 180 days after the date
7 of enactment of this Act, the Administrator shall provide
8 to the Committee on Science, Space, and Technology of
9 the House of Representatives and the Committee on Com-
10 merce, Science, and Transportation of the Senate a report
11 comparing NASA’s space technology investments with the
12 16 high-priority technology areas identified by the Na-
13 tional Academies in the National Research Council’s re-
14 port on NASA’s Space Technology Roadmaps. The Ad-
15 ministrator shall identify how NASA will address any gaps
16 between the agency’s investments and the recommended
17 technology areas, including a projection of funding re-
18 quirements.

