



AMENDMENT NO. _____ Calendar No. _____

Purpose: To provide for the leveraging of commercial satellite servicing capabilities across NASA mission directorates.

IN THE SENATE OF THE UNITED STATES—114th Cong., 2d Sess.

S. 3346

To authorize the programs of the National Aeronautics and Space Administration, and for other purposes.

Referred to the Committee on _____ and ordered to be printed

Ordered to lie on the table and to be printed

AMENDMENT intended to be proposed by Mr. GARDNER

Viz:

1 At the end of subtitle B of title VI, add the following:

2 **SEC. 626. LEVERAGING COMMERCIAL SATELLITE SERV-**

3 **ICING CAPABILITIES ACROSS MISSION DI-**

4 **RECTORATES.**

5 (a) **FINDINGS.**—Congress makes the following find-

6 ings:

7 (1) Refueling and relocating aging satellites to

8 extend their operational lifetimes is a capacity that

9 NASA will substantially benefit from and is impor-

10 tant for lowering the costs of ongoing scientific, na-

11 tional security, and commercial satellite operations.

1 (2) The technologies involved in satellite serv-
2 icing, such as dexterous robotic arms, propellant
3 transfer systems, and solar electric propulsion, are
4 all critical capabilities to support a human explo-
5 ration mission to Mars.

6 (b) SENSE OF CONGRESS.—It is the sense of Con-
7 gress that—

8 (1) satellite servicing is a vital capability that
9 will bolster the capacity and affordability of NASA's
10 ongoing scientific and human exploration operations
11 while simultaneously enhancing the ability of domes-
12 tic companies to compete in the global marketplace;
13 and

14 (2) future NASA satellites and spacecraft
15 across mission directorates should be constructed in
16 a manner that allows for servicing in order to maxi-
17 mize operational longevity and affordability.

18 (c) LEVERAGING OF CAPABILITIES.—The Adminis-
19 trator shall identify orbital assets in both the Science Mis-
20 sion Directorate and the Human Exploration and Oper-
21 ations Mission Directorate that could benefit from satellite
22 servicing-related technologies, and shall work across all
23 NASA mission directorates to evaluate opportunities for
24 the private sector to perform such services or advance
25 technical capabilities by leveraging the technologies and

- 1 techniques developed by NASA programs and other indus-
- 2 try programs.