



AMENDMENT NO. _____ Calendar No. _____

Purpose: To include the National Oceanic and Atmospheric Administration in the National Engineering Biology Research and Development Initiative.

IN THE SENATE OF THE UNITED STATES—117th Cong., 1st Sess.

S. 1260

To establish a new Directorate for Technology and Innovation in the National Science Foundation, to establish a regional technology hub program, to require a strategy and report on economic security, science, research, innovation, manufacturing, and job creation, to establish a critical supply chain resiliency program, and for other purposes.

Referred to the Committee on _____ and
ordered to be printed

Ordered to lie on the table and to be printed

AMENDMENTS intended to be proposed by Mr. MARKEY

Viz:

1 On page 155, line 12, insert “the National Oceanic
2 and Atmospheric Administration,” after “Administra-
3 tion,”.

4 On page 168, strike lines 6 through 24 and insert
5 the following:

6 (2) DEPARTMENT OF COMMERCE.—

1 (A) NATIONAL INSTITUTE OF STANDARDS
2 AND TECHNOLOGY.—As part of the Initiative,
3 the Director of the National Institute of Stand-
4 ards and Technology shall—

5 (i) establish a bioscience research pro-
6 gram to advance the development of stand-
7 ard reference materials and measurements
8 and to create new data tools, techniques,
9 and processes necessary to advance engi-
10 neering biology and biomanufacturing;

11 (ii) provide access to user facilities
12 with advanced or unique equipment, serv-
13 ices, materials, and other resources to in-
14 dustry, institutions of higher education,
15 nonprofit organizations, and government
16 agencies to perform research and testing;
17 and

18 (iii) provide technical expertise to in-
19 form the potential development of guide-
20 lines or safeguards for new products, proc-
21 esses, and systems of engineering biology.

22 (B) NATIONAL OCEANIC AND ATMOS-
23 PHERIC ADMINISTRATION.—As part of the ini-
24 tiative, the Administrator of the National Oce-
25 anic and Atmospheric Administration shall—

- 1 (i) establish a program to conduct and
2 support omics research and associated
3 bioinformatic sciences to increase efficiency
4 and promote a sustainable bioeconomy
5 (blue economy) to develop the next genera-
6 tion of tools and products to improve eco-
7 system stewardship, monitoring, manage-
8 ment, assessments, and forecasts; and
- 9 (ii) collaborate with other agencies to
10 understand potential environmental threats
11 and safeguards relating to engineering bi-
12 ology.