

**AMENDMENT OFFERED BY Ms. Wilson TO THE  
AMENDMENT IN THE NATURE OF A SUBSTITUTE**

At the end of subtitle A of title IV, insert the following new section:

1 **SEC. 411. ADVANCED MANUFACTURING TECHNOLOGY CON-**  
2 **SORTIA.**

3 Section 33 of the National Institute of Standards and  
4 Technology Act (15 U.S.C. 278r) is amended to read as  
5 follows:

6 **“SEC. 33. ADVANCED MANUFACTURING TECHNOLOGY CON-**  
7 **SORTIA.**

8 “(a) **AUTHORITY.**—

9 “(1) **IN GENERAL.**—The Director shall carry  
10 out a program to facilitate the development of and  
11 provide support to industry-led consortia that will  
12 identify, prioritize, and address long-term,  
13 precompetitive industrial research needs in the area  
14 of advanced manufacturing.

15 “(2) **PROGRAM OBJECTIVES.**—The objectives of  
16 the program established under this section include  
17 the following:

1           “(A) To promote collective public-private  
2 efforts to develop key technology platforms and  
3 infrastructure for advanced manufacturing.

4           “(B) To enable the prioritization of public  
5 research portfolios to be more responsive to the  
6 long-term technology development needs of in-  
7 dustry.

8           “(C) To leverage Federal investment in ad-  
9 vanced manufacturing with shared investment  
10 by the private sector.

11           “(D) To increase industrial research and  
12 development investment in precompetitive tech-  
13 nology platforms and infrastructure.

14           “(E) To accelerate technological innovation  
15 in advanced manufacturing.

16           “(F) To foster broad participation by in-  
17 dustry, the Federal Government, institutions of  
18 higher education, and State, local, and tribal  
19 governments in advanced manufacturing re-  
20 search and development.

21           “(b) ACTIVITIES.—As part of the program estab-  
22 lished under this section, the Director shall—

23           “(1) support the formation of industry-led con-  
24 sortia composed of representatives from industry (in-  
25 cluding small and medium-sized manufacturers), in-

1 institutions of higher education, the Federal Govern-  
2 ment, State, local, and tribal governments, and other  
3 entities, as appropriate;

4 “(2) collaborate with consortia participants in  
5 the development of technology roadmaps that iden-  
6 tify research needs in the area of advanced manufac-  
7 turing;

8 “(3) support precompetitive research directed at  
9 meeting the research needs identified in the road-  
10 maps developed under paragraph (2);

11 “(4) promote the transfer of precompetitive  
12 technology platforms and infrastructure resulting  
13 from consortia research to the private sector and fa-  
14 cilitate open access to the intellectual property un-  
15 derpinning those platforms and technology; and

16 “(5) facilitate the development of new tech-  
17 nologies into commercial products.

18 “(c) SELECTION CRITERIA.—In selecting applica-  
19 tions for awards under this section, the Director shall con-  
20 sider, at a minimum—

21 “(1) the degree to which the activities proposed  
22 under the consortia will broadly impact manufac-  
23 turing, including regional manufacturing efforts, and  
24 increase the productivity and economic competitive-  
25 ness of the United States;

1           “(2) the level of technical risk to be addressed  
2           by the consortia;

3           “(3) the potential to produce fundamental new  
4           knowledge; and

5           “(4) the likelihood that the consortia will be-  
6           come self-sustaining, if appropriate.”.

