

118TH CONGRESS  
1ST SESSION

# S. 1796

To amend title 49, United States Code, to direct the Administrator of the Federal Aviation Authority to continue operation of the Advanced Materials Center of Excellence, and for other purposes.

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## IN THE SENATE OF THE UNITED STATES

JUNE 1, 2023

Mr. MORAN (for himself and Ms. CANTWELL) introduced the following bill; which was read twice and referred to the Committee on Commerce, Science, and Transportation

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## A BILL

To amend title 49, United States Code, to direct the Administrator of the Federal Aviation Authority to continue operation of the Advanced Materials Center of Excellence, and for other purposes.

1 *Be it enacted by the Senate and House of Representa-*  
2 *tives of the United States of America in Congress assembled,*

3 **SECTION 1. SHORT TITLE.**

4 This Act may be cited as the “Joint Center of Excel-  
5 lence for Advanced Materials and Safety Act”.

6 **SEC. 2. ADVANCED MATERIALS CENTER OF EXCELLENCE.**

7 Section 44518 of title 49, United States Code, is  
8 amended—

1           (1) in subsection (a), by striking “March 1,  
2           2016” and all that follows through the period and  
3           inserting “on March 1, 2023, which shall focus on  
4           applied research and training on the safe use of  
5           composites and advanced materials in airframe  
6           structures. The Center shall also conduct research  
7           and development into aircraft structure crash wor-  
8           thiness and passenger safety, as well as address safe  
9           and accessible air travel of individuals with a dis-  
10          ability (as defined in section 382.3 of title 14, Code  
11          of Federal Regulations (or any successor regula-  
12          tion)), including materials required to facilitate safe  
13          wheelchair restraint systems on commercial aircraft.  
14          The Administrator shall award grants to the Center  
15          within 90 days from the date the Grants Officer rec-  
16          ommends a proposal for award to the Adminis-  
17          trator.”;

18           (2) by striking subsection (b) and inserting the  
19          following:

20          “(b) RESPONSIBILITIES.—The Center shall—

21           “(1) promote and facilitate collaboration among  
22          member universities, academia, the Federal Aviation  
23          Administration, the commercial aircraft industry, in-  
24          cluding manufacturers, commercial air carriers, and  
25          suppliers, and other appropriate stakeholders;

1           “(2) establish goals set to advance technology,  
2           improve engineering practices, and facilitate con-  
3           tinuing education in relevant areas of study, which  
4           should include all structural materials, such as car-  
5           bon fiber polymers and thermoplastic composites,  
6           and structural technologies, such as additive manu-  
7           facturing, to be used in applications within the com-  
8           mercial aircraft industry, including traditional fixed-  
9           wing aircraft, rotorcraft, and emerging aircraft types  
10          such as advanced air mobility aircraft; and

11          “(3) establish criteria for the safe movement of  
12          all passengers, including individuals with a disability  
13          (as defined in section 382.3 of title 14, Code of Fed-  
14          eral Regulations (or any successor regulation)), and  
15          individuals using their personal wheelchairs in flight,  
16          that takes into account the modeling, engineering,  
17          testing, operating, and training issues significant to  
18          all passengers and relevant stakeholders.”; and

19          (3) in subsection (c), by inserting “, and not  
20          more than \$20,000,000 for each of fiscal years 2024  
21          through 2028,” after “2023”.

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