



U.S. Department  
of Transportation  
**Federal Aviation  
Administration**

Assistant Administrator for  
Human Resource Management

800 Independence Avenue, S.W.  
Washington, D.C. 20591

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Mr. Christian A. Klein  
Executive Vice President  
Aeronautical Repair Station Association  
121 North Henry Street  
Alexandria, VA 22314-2903

Dear Mr. Klein:

Thank you for your letter of February 5, 2019, highlighting the need to address the aviation industry requirement for a well-trained aviation workforce. The Federal Aviation Administration (FAA) appreciates the emphasis on the grants programs that will help expand and deliver the curriculum for the next generation of aviation industry workers and pilots.

The U.S. Department of Transportation (DOT) and the FAA are committed to implementing the provisions of the FAA Reauthorization Act of 2018 (P.L. 115-254) focused on addressing the aviation workforce shortages. As you are aware, the legislation allows for the annual allocation of a total of \$10,000,000 with up to \$5,000,000 each in grants funding for aircraft pilot and maintenance technical worker development programs in Fiscal Years (FY) 2019-2023.

We recognize that the current FAA budget does not include funding for the initiation of the aviation workforce development programs. We have committed to working with the DOT and the Office of Management and Budget to request funding and incorporate the grant programs into the FAA FY2021 work plan and budget.

The U.S. DOT and FAA are fully supportive of the provisions outlined in Section 625 of P.L. 115-254. We look forward to working with the aviation industry and educational institutions to meet the growing demand for a well-trained aviation workforce.

If you or your staff needs further assistance, please contact Philip Newman, Assistant Administrator for Government and Industry Affairs, at '(202) 267-3277.

Sincerely,

A handwritten signature in cursive script that reads "Annie B. Andrews".

Annie B. Andrews  
Assistant Administrator  
for Human Resource Management

February 5, 2019

The Honorable Elaine Chao  
Secretary  
U.S. Department of Transportation  
1200 New Jersey Avenue, S.E.  
Washington, D.C. 20590

The Honorable Mick Mulvaney  
Director  
Office of Management and Budget  
725 17th Street, N.W.  
Washington, D.C. 20503

**Aviation Industry Urges Full Funding for Technician & Pilot Workforce Grant Programs**

Dear Secretary Chao and Director Mulvaney:

The Federal Aviation Administration Reauthorization Act of 2018 (Public Law 115-254) created two new grant programs to recruit and train the next generation of aerospace workers and pilots. The undersigned 40 organizations, representing a broad cross-section of the aviation industry, urge the administration to seek full funding of \$10 million for these programs as part of its fiscal year (FY) 2020 budget request and to rapidly initiate these programs.

We are pleased that President Trump has made career technical education a priority and these programs will help achieve the administration's workforce development goals.

The resources provided through these temporary initiatives will incentivize businesses, labor and pilot organizations, schools, and governmental entities to work together to pursue innovative new strategies to develop technical talent and encourage our next generation of pilots to pursue careers in aviation. This, in turn, will help ensure the continued global leadership of America's aerospace sector.

The U.S. aviation industry is facing a technician and pilot shortage that threatens to undermine the growth and competitiveness of one of the most important sectors of our economy - one that generates more than seven percent of the U.S. gross domestic product, contributes \$1.5 trillion to the U.S. economy and supports more than 11.5 million jobs.

Boeing's 2018 Pilot & Technician Outlook for aviation jobs projects that 790,000 new civil aviation pilots, 754,000 new maintenance technicians and 890,000 new cabin crew will be needed to operate and maintain the global aircraft fleet over the next 20 years. In North America alone, Boeing suggests 206,000 new pilots and 189,000 new technicians will be needed over the next two decades.

To put the pilot forecast into perspective, North America will need slightly more than 10,000 new pilots each year on average to keep pace with air service demand and retirements. According to the FAA's airmen statistics, 5,437 original airmen Airline Transport Certificates (the certificate required to serve as a Part 121 airline pilot) were issued in the first 11 months of 2018. Failure to produce more pilots will further imperil air service to small communities, which are most vulnerable to air service losses due to the shortage.

While the number of pilot certificates issued by the FAA has decreased more than 60 percent since 1980, this mismatch of supply and demand offers a tremendous opportunity for students to pursue aviation careers, including aviation opportunities in the military. The Boeing forecast applies to the commercial aviation, business aviation, and civil helicopter industries; however, the U.S. military is also facing a shortage of pilots.

Similarly, the consulting firm Oliver Wyman has forecast that demand for aviation maintenance technicians will outstrip supply by 2022. The Aviation Technician Education Council recently determined that new entrants make up just two percent of the aviation technician population annually, while 30 percent of the workforce is at or near retirement age. Respondents to the Aeronautical Repair Station Association's 2018 member survey identified the technician shortage as the biggest strategic threat to the \$47 billion maintenance industry. More than 80 percent of respondents reported difficulty finding qualified technicians and more than half of responding companies had unfilled positions.

Initiatives for the aviation technical workforce include scholarships, apprenticeships, establishing new training programs, purchasing equipment for schools and supporting career transition for members of the armed forces. To incentivize collaboration to solve the technician shortage, the law requires grant applications to be jointly submitted by a school, local governmental entity, and a business or labor organization.

The new grant program for pilot education would support the creation and delivery of curriculum designed to provide high school students with meaningful science, technology, engineering, math and aviation education. The program has the potential to be a solution to the pilot shortage by reaching a diverse new audience and encouraging our nation's youth to become the next generation of commercial, general aviation, drone or military pilots.

Your leadership in recommending full funding for these programs will build on the progress from the recent FAA law and help ensure our nation's aviation industry will have the technical professionals and pilots needed to meet the growing demand for a well-trained aviation workforce.

Thank you for your consideration and leadership.

Sincerely,

Aeronautical Repair Station Association  
Aerospace Industries Association  
Aerospace Maintenance Council  
Aircraft Electronics Association  
Aircraft Mechanics Fraternal Association  
Aircraft Owners and Pilots Association  
Airlines for America  
Air Medical Operators Association  
Airports Council International – North America  
Allied Pilots Association  
American Association of Airport Executives  
Association for Unmanned Vehicle Systems  
International  
Aviation Council of Pennsylvania  
Aviation Suppliers Association  
Aviation Technician Education Council  
Cargo Airline Association  
Coalition of Airline Pilots Associations  
Experimental Aircraft Association  
Flight School Association of North America  
General Aviation Manufacturers Association

Greater Miami Aviation Association  
Helicopter Association International  
International Air Transport Association  
International Brotherhood of Teamsters  
International Council of Air Shows  
Modification and Replacement Parts Association  
National Agricultural Aviation Association  
National Air Carrier Association  
National Air Transportation Association  
National Association of State Aviation Officials  
National Business Aviation Association  
National League of Cities  
NetJets Association of Shared Aircraft Pilots  
Professional Aviation Maintenance Association  
Recreational Aviation Foundation  
Regional Air Cargo Carriers Association  
Regional Airline Association  
South Florida Aviation Maintenance Council  
Veterans Airlift Command  
Westchester Aircraft Maintenance Association