

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	Greater Miami Aviation Association
Aerospace Industries Association	Helicopter Association International
Aerospace Maintenance Council	International Air Transport Association
Aircraft Electronics Association	International Brotherhood of Teamsters
Aircraft Mechanics Fraternal Association	International Council of Air Shows
Aircraft Owners and Pilots Association	Modification and Replacement Parts Association
Airlines for America	National Agricultural Aviation Association
Air Medical Operators Association	National Air Carrier Association
Airports Council International – North America	National Air Transportation Association
Allied Pilots Association	National Association of State Aviation Officials
American Association of Airport Executives	National Business Aviation Association
Association for Unmanned Vehicle Systems International	National League of Cities
Aviation Council of Pennsylvania	NetJets Association of Shared Aircraft Pilots
Aviation Suppliers Association	Professional Aviation Maintenance Association
Aviation Technician Education Council	Recreational Aviation Foundation
Cargo Airline Association	Regional Air Cargo Carriers Association
Coalition of Airline Pilots Associations	Regional Airline Association
Experimental Aircraft Association	South Florida Aviation Maintenance Council
Flight School Association of North America	Veterans Airlift Command
General Aviation Manufacturers Association	Westchester Aircraft Maintenance Association