



Chairwoman Baker, Ranking Member Driehaus and Members of the House Economic Development and Regulatory Reform Committee:

My name is Randy Moses, and I am the Associate Dean for Research at The Ohio State University College of Engineering. On behalf of the College of Engineering, I thank you for the opportunity to provide proponent testimony on HB 292. The College of Engineering at The Ohio State University enthusiastically supports the creation of the Aerospace and Technology Study Committee.

As background, the aerospace industry has a bright future. Global aircraft demand is projected to increase over the next decade at an annual rate 19%, which is higher than the U.S. economy as a whole. Also, aerospace-related manufacturing jobs pay well, with earnings that are 65% higher than the average manufacturing wage. In the Unmanned Aerial Vehicles (UAV) market alone, projections from the Association of Unmanned Vehicle Systems International suggest the UAV market would create more than 23,000 jobs from 2010-2025.

Aerospace and Technology is one of the strongest economic sectors within the State of Ohio. For instance:

- There are more than 100,000 jobs in the aerospace and aviation sector.¹
- It is one of the few sectors of the US economy that represents a positive trade balance.
- Ohio is the number one supplier state to both Boeing and Airbus—the only two companies in the world that build large commercial aircrafts—and the number three supplier to Northrop Grumman.
- Ohio supplies 17 percent of the nation's aircraft engine manufacturing and development workforce.
- Ohio is home to government and industry leaders, including GE Aircraft Engines, NetJets, NASA Glenn and Wright Patterson Air Force Base.

The Ohio State University, with its land-grant mission to support regional economic development, has education and research programs that are well-aligned with Aerospace and Technology. Specifically, the College of Engineering continues to make substantial investments in research and education programs in this area. For example, more than 40 of the College's 300 faculty members engage in research and graduate education in this area. Our faculty have secured more than \$160M over ten years in external, non-state research funding to support research and graduate experiential education in aerospace and aviation. We currently have more than 3,500 undergraduate students in related degree programs, and more than 300 graduate students are working on research projects directly in the aerospace field—feeding the workforce pipeline in this important and growing area.

Other states have coordinated statewide strategies in aerospace, and the benefit is evident. The proposed Aerospace and Technology Study Committee will provide the critical and strategic leadership and statewide coordination needed for Ohio to capitalize on its incredible legacy and assets. It will also increase Ohio's leadership and economic well-being in this important area.

Again, thank you for the opportunity to provide this testimony. I urge you to support HB 292 and, of course, will be happy to answer any questions you may have.

Randy Moses
Associate Dean for Research, Engineering
The Ohio State University

¹ Aerospace and Aviation Quick Facts, Jobs Ohio, August 2013. http://jobs-ohio.com/images/aerospace_aviation_aug13.pdf