



Ohio Aerospace and Aviation Technology Committee November 18, 2015 – Approved Minutes

Statehouse Room 017

10:00 AM – 12:00 PM

Chairman Perales called the meeting of the Ohio Aerospace and Aviation Technology Committee (OAATC) to order at 10:05 AM on November 18, 2015.

- The roll was called. A quorum was not present.
- Chairman Perales asked members of the committee and the audience to introduce themselves.
- Chairman Perales stated that he appreciated all the time and dedication the committee members have contributed to the committee.
- Chairman Perales indicated that since there is no quorum of the committee members, the minutes from the October 6th and November 18th meetings will be presented and approved at the next scheduled meeting on December 9, 2015.
 - Representative Perales indicated that he will announce and schedule four meetings in 2016.
- Chairman Perales encouraged committee to investigate the possibility of incorporating interns to assist in the workgroups. Possible interns could be students from universities, young professionals, professionals from Wright-Patterson Air Force Base, NASA Glenn, and aerospace industries/companies. Anyone in the audience with knowledge of possible interns was advised to contact the Chairman's office.
- Chairman Perales introduced his legislative aide, Andy Swaim, to present current legislation related to aerospace and aviation.
 - House Bill 218 – To enact sections 4561.50 and 4561.51 of the Revised Code to regulate the operation of drones near airports and to impose certain record-keeping requirements on retail sellers of drones (<https://www.legislature.ohio.gov/legislation/legislation-summary?id=GA131-HB-218>).
 - HB 218 had been scheduled twice for hearing in House Transportation and Infrastructure committee since October 6, 2015 meeting but had not yet heard.
 - Chairman Perales stated that awareness of unintended consequences of UAS legislation is an important role of the committee.
 - House Bill 386 - To amend sections 5.04 and 5.10 of the Revised Code to add a representation of the Wright Brothers' first piloted airplane to the Coat of Arms and Great Seal of the State of Ohio (<https://www.legislature.ohio.gov/legislation/legislation-documents?id=GA131-HB-386>).
 - HB 386 had been introduced and referred to House State Government Committee.

- Chairman Perales elaborated on need for an updated state seal. Emphasized the importance of “heritage” and adding an icon specific to Ohio to the state seal, since Ohio is the only United States state to be officially identified as the birthplace of aviation. HB Bill 386 has support of 40 co-sponsors.
- Chairman Perales introduced Bob Doyle with the “Triumph of Flight.”
- Mr. Doyle testified about new project to build a new monument in Ohio called “The Triumph of Flight” and invited colleague Curt Nelson to elaborate on the endeavor.
- Curt Nelson went into detail over the monument and the goals of the Triumph of Flight:
 - The monument is a replica of the 1903 Wright Flyer to be placed near the southwest corner of Ohio, the heart of Aviation Heritage Area (crossroads of I-70 and I-75).
 - Mr. Nelson stated that more than 53 million vehicles pass through this area.
 - He also noted that the site would include a large reflecting pool, a gift shop, and an educational area for acknowledging aviation and aerospace in Ohio.
 - The purpose of the monument will not just highlight Southwest Ohio, but all of Ohio as an aviation and aerospace powerhouse.
 - The monument would also potentially include a display of the Ohio Aviation Hall of Fame.
 - The monument will also include a statue of Wilbur and Orville Wright, a statue of Icarus and a statue of Neil Armstrong stepping on the moon.
- Chairman Perales thanked Bob Doyle and Curt Nelson for the progression of the project and the presentation and opened the floor for questions and/or comments
 - Dr. Mike Heil noted that he has been in contact with former Governor George Voinovich who supports the monument. He stated he would like to bring more of Northeast Ohio into the picture. He also elaborated by saying the project features ample space where different parts of Ohio may portray their heritage on the site.
 - Chairman Perales emphasized that the monument will encompass the whole state of Ohio to portray the collective aerospace and aviation heritage.
 - Dr. Vincent Russo asked if state funding has been requested.
 - Mr. Doyle replied that they have requested \$10M from the state capital budget. He explained that the entire project will cost \$20 million.
- No further questions were asked. Curt Nelson and Bob Doyle were thanked for their briefing on the project.
- Chairman Perales introduced Jessica Orr with Techhub to testify.
 - Jessica Orr testified on manufacturing in Ohio and the correlation it has with aerospace.
 - She stated that the Manufacturing Extension Partnership (MEP) was started over 20 years ago to be a catalyst for strengthening American manufacturing.
 - The MEP is a manufacturing life line staffed by trusted advisors with a background in manufacturing.
 - The MEP exists to:
 - Enhance competitiveness
 - Move quickly to find solutions
 - Engage the right resources
 - Deliver results for operations
 - The Ohio Manufacturing Extension Partnership (MEP) has 6 affiliates in Ohio.
 - The main focus of the program is on small and medium affiliates.
 - 5 key solution areas in the MEP are:
 - Continuous Improvement
 - Supply Chain Development
 - Workforce Development
 - Sustainability

- Tech Accelerations
 - Their facility is currently housed with the University of Dayton’s Research Institute.
 - Ms. Orr concluded that the MEP is a program suited to position Ohio’s supply chain to respond to commercial aviation opportunities.
- Chairman Perales thanked Ms. Orr for the presentation and testimony then opened the floor for questions and/or comments.
 - John Leland stated this is a multi-year program which UDRI (University of Dayton Research Institute) hopes to have much success. He stated that they are open to reaching new suppliers and collaborating with others to assist these suppliers.
- Chairman Perales asked what type of metrics are in place determine success of the project.
 - Jessica Orr stated that metrics will be seen through multiple avenues, such as:
 - Impact to Ohio finances and job creations
 - Number of jobs retained
 - Amount of new equipment added and incorporated
 - Number of new suppliers obtained
- Dr. Paul Orkwis asked what type of academia influences they have or aspire to have in the future. Dr. Orkwis stated we need to spread the word concerning this program and be proactive to see what sticks and what will impact the next generation of commercial relations.
 - Jessica Orr responded that they have a proactive approach to applying to small business and engaging with academia.
- Chairman Perales asked if there are any other questions. There were none. He thanked Ms. Orr again for her testimony.
- Chairman Perales introduced Mike Hripko to testify.
 - Mr. Hripko, Vice President of Youngstown State University, identified the improvements and developments of aerospace education at his university.
 - He then elaborated on the relevance and importance of work with Wright-Patterson Air Force Base and NASA Glenn Research Center.
- Chairman Perales thanked Mr. Hripko for his testimony. He then opened floor to committee members for questions or comments. There were none.
- Chairman Perales moved on to workgroup updates.
- Due to the absence of Mark Brown, Chairman Perales gave the update for the Outreach and Branding workgroup.
 - Chairman Perales identified 3 main outreach challenges:
 - Marketing
 - Messaging
 - Public Relations
- Chairman Perales introduced Bob Tanner to elaborate more on outreach.
 - Bob elaborated on the great aspects of the trade organization and aviation in Ohio. He also noted that the outreach subcommittee published articles on the national platform.
- Chairman Perales thanked Bob Tanner.
- Chairman Perales then mentioned the notion of the PR department.
 - He identified key components such as the new website, articles, TV, events, social media, etc.
- Chairman Perales invited his legislative aide, Andy Swaim, to elaborate on the OAATC Website.
 - Mr. Swaim testified on the website, stating that is currently being developed to accommodate professionals to share, edit, and collaborate on documents online.
 - Mr. Swaim then elaborated on the ability for individuals to receive/input information, publish events, view and post news articles and reports from workgroups, and the ability for committee members to share documents and collaborate.

- Chairman Perales stated the website’s purpose is to get information out to the public. He called it a one-stop shop for aerospace and aviation in Ohio and the US.
- Chairman Perales then emphasized the need for public publishing and outreach.
- Representative Baker stated that social media is a prevalent avenue for youth to inform themselves on the committee.
 - She advised that social media be emphasized even more.
- Chairman Perales agreed then reiterated that the new website should be able to accommodate all aspects of Aviation/Aerospace in Ohio and to establish credibility for committee.
 - He then stated that he wants pictures and documents to be consistently posted on the website.
- Chairman Perales went on to introduce the Workforce Development Group and Dr. Vincent Russo.
 - Dr. Russo first thanked Melinda Forsythe for her continual contribution.
 - He then went on to introduce a chart that correlated OAATC with OFMJC. He emphasized there is a significant distinction between the two entities.
- Dr. Russo went on to introduce 3 recommendations:
 - The first is to create an Ohio Aerospace and Aviation Business Round Table.
 - This would include high ranking business officials who would report to the legislators and establish goals for legislative actions.
 - Russo continually emphasized the need for a business round table to achieve its goals.
 - Chairman Perales thanked the suggestion and said he will look into it.
 - Recommendation #2 would be to develop and implement “targeted workforce development activities” among Aerospace and Aviation industries to nearby colleges and high schools.
 - Recommendation #3 is to develop a relationship between the State and Project Lead the Way that would lead to increasing interest in STEM careers.
 - Dr. Russo reported the next steps of the workforce development group would include finalizing each recommendation, preparing a report for Phase One, support OAATC as needed, and develop additional recommendations during Phase Two for next fall.
- Chairman Perales thanked Mr. Russo and his workforce group.
- Chairman Perales then asked committee members for any comments or questions.
 - Representative Baker asked how kids can gain enthusiasm for these opportunities and how these opportunities can be reached. She also asked how it can lead to well-paying jobs for them in the future.
- Dr. Russo emphasized that academia will be further addressed specifically.
- Chairman Perales then introduced Dr. Paul Orkwis for the Technology Development workgroup.
 - Dr. Orkwis reiterated the fundamental set of priorities (as previously stated in last meeting’s notes).
 - He then went straight to “Board 3” in his presentation and elaborated on NEXTGEN Air Traffic Management.
- Chairman Perales thanked Dr. Orkwis. He then asked for any questions.
- Committee member Dr. Russo asked if the technology development workgroup had discussed any emerging technologies pertaining to spacecraft.
 - Dr. Mike Heil responded that the Ohio Aerospace and Aviation Council is working on a space strategic plan that makes next generation space development a priority, since Ohio has a step up on other states in terms of resources.
 - Dr. Orkwis stated he would like more input from the committee for this idea.
- Chairman Perales emphasized that Ohio should be at the forefront of technology and aerospace.
- He then reiterated that “We have the resources.”

- Chairman Perales introduced Glenn Richardson with JobsOhio.
 - Mr. Richardson reported that Carlos Grodsinsky and he are working to get Airbus support to develop the next satellite constellation for advanced GPS.
 - He also stated that JobsOhio is looking for more collaboration with companies like Airbus to engage in further opportunities with aerospace in Ohio.
- Chairman Perales stated that JobsOhio will have more time in further meetings to discuss their developments due to their significant progress and relevant work.
- Chairman Perales introduced Ron Shroder with Industry Support workgroup
 - Mr. Shroder testified on the following key components:
 - The workforce group has 3 priorities that include data gathering, tax implications, and small businesses/research.
 - He also stated that he would like to compare Ohio's aerospace with Alabama's well-recognized aerospace industry.
 - Mr. Shroder explained that the Industry Support workgroup had drafted 2 potential legislation actions (general aviation tax exemption and fly-away sales tax exemption) to boost the aviation and aerospace industry in Ohio.
 - He stated that New York has also included a tax exemption around the sale on aviation aircrafts along with other states.
 - He asked Chairman Perales to take the legislative proposals into further consideration.
- Chairman Perales said an update will be provided in the next meeting.
 - Mr. Shroder noted that Bryan Budds was also added to the committee.
- Chairman Perales thanked Mr. Shroder for the update. He asked if there are any comments or questions. No further comments introduced.
- Chairman Perales introduced Dr. Russo to address Installations Support progress
 - Mr. Russo noted that no progress was reported from Jay Jabour, Installations Support Workgroup Lead.
- Chairman Perales thanked Dr. Russo and invited the audience to contribute to the discussion.
- Jeff Banks with Applied Aviation Technology approached the podium to testify. He identified the following concerns:
 - He encouraged construction of engines and aircrafts at a systematic level for Ohio and believed the entire process can be done in Ohio.
 - He noted that getting aircraft production to Ohio is extremely hard due to labor laws and that they need to be reformed.
- Chairman Perales noted that the infrastructure is not available yet.
 - Mr. Banks then emphasized that the general aviation industry has not been updated in 70 years; he believes general aviation is being neglected while commercial aviation is the primary focus.
- Chairman Perales thanked Mr. Banks for his input. He will further discuss this topic at the next meeting.
- Chairman Perales then invited Russ Kline from CBD Advisors to talk about aviation fuel.
 - Mr. Kline testified that ODOT and FAA are interested in supporting local airports.
- Chairman Perales thanked Mr. Kline for his testimony then introduced Doug Hammon, Director of OSU airport, to testify.
 - Mr. Hammon testified that ODOT is providing more in airport grants to general aviation airports in Ohio. He explained that there was more work to be done regarding state grant funding.
- Chairman Perales suggested that ODOT should look into allocating more staff for the Office of Aviation.
- He thanked Mr. Hammon for his input and asked for any comments.

- Dr. Orkwis announced that the University of Cincinnati is looking for 5 new professors for Aerospace Engineering and a chair professor in space exploration.
- Chairman Perales mentioned the new website should be able to provide such an avenue for these positions to be posted.
- Chairman Perales asked if anyone else has any questions. There were none.
- Chairman Perales then thanked all of the committee members and audience for attending the meeting.
- Chairman Perales adjourned the meeting at 11:58 am.