

# AIAA Congressional Visits Day 2021 Formal Training Slides

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# Today's Agenda

- **1:00 – 1:05 p.m.:** Welcome remarks from Dan Dumbacher, Executive Director, AIAA
- **1:05 – 1:10 p.m.:** Remarks from Tim Dominick, PP Chair, AIAA
- **1:10 – 2:00 p.m.:** High-level review of key issues, pertinent legislation, and general information
- **2:00 – 2:25 p.m.:** Remarks from Kate Kronmiller, Vice President of Government Relations, Jacobs
- **2:25 – 2:50 p.m.:** Remarks from Rick Podliska, Senior Policy Advisor, Rep. Bill Posey (FL)
- **2:50 – 3:00 p.m.:** Break
- **3:00 – 3:45 p.m.:** Dos and Don'ts (mock Hill meetings)
- **3:45 – 4:00 p.m.:** Audience Q&A
- **4:00 – 5:00 p.m.:** State Team Breakouts

# Submitting Questions

- All questions should be submitted using the Q&A tab at the bottom of the screen
- We will try to answer all questions during the training session
  - Some questions will be answered aloud for the broader group
  - Other questions will be answered via a direct response

# The Legislative Process

## 1 EVERY LAW STARTS WITH AN IDEA



That idea can come from anyone, even you! Contact your elected officials to share your idea. If they want to try to make it a law, they will write a bill.

## 2 THE BILL IS INTRODUCED

A bill can start in either house of Congress when it's introduced by its primary sponsor, a Senator or a Representative. In the House of Representatives, bills are placed in a wooden box called "the hopper."



Here, the bill is assigned a legislative number before the Speaker of the House sends it to a committee.

## 3 THE BILL GOES TO COMMITTEE

Representatives or Senators meet in a small group to research, talk about, and make changes to the bill. They vote to accept or reject the bill and its changes before sending it to:

**the House or Senate floor for debate or to a subcommittee for further research.**

## 4 CONGRESS DEBATES AND VOTES

Members of the House or Senate can now debate the bill and propose changes or amendments before voting. If the majority vote for and pass the bill, it moves to the other house to go through a similar process of committees, debate, and voting. Both houses have to agree on the same version of the final bill before it goes to the President.



### DID YOU KNOW?

The House uses an electronic voting system while the Senate typically votes by voice, saying "yay" or "nay."

## 5 PRESIDENTIAL ACTION

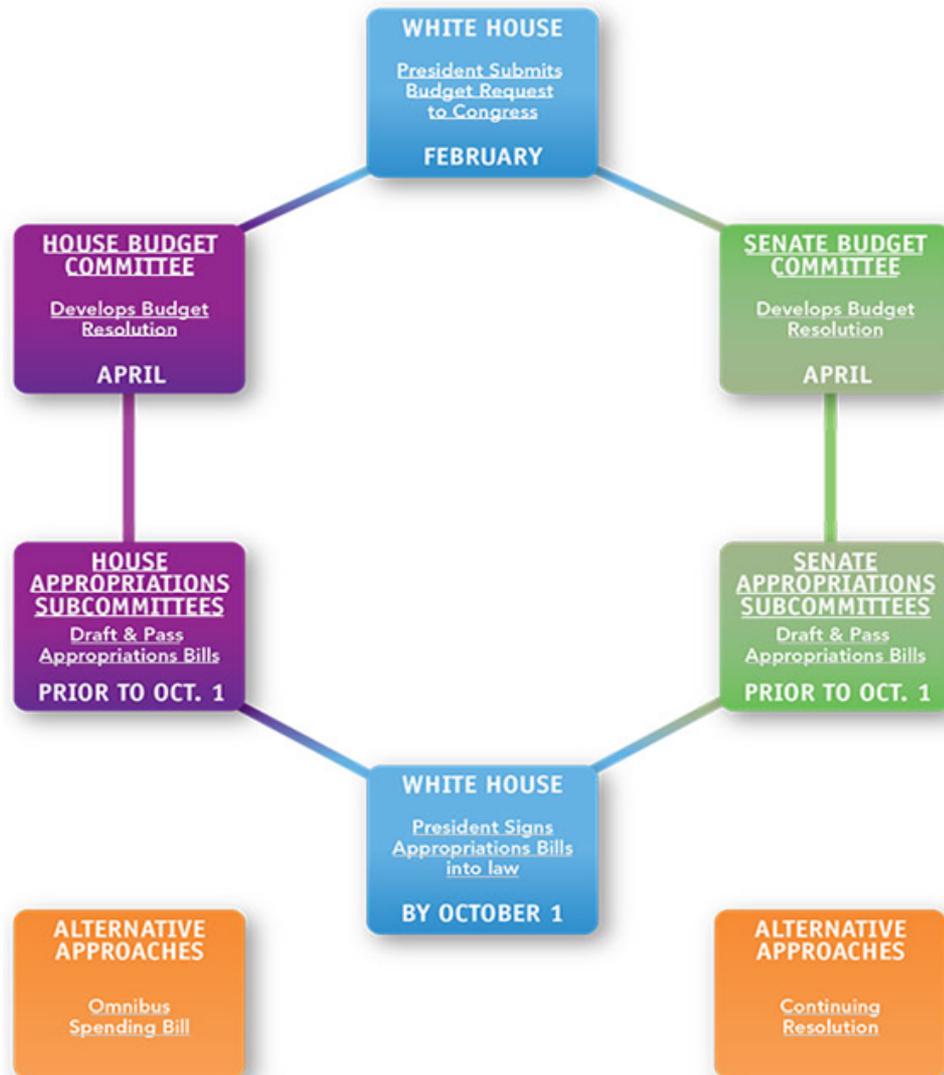
When the bill reaches the President, he or she can:

### ✓ APPROVE and PASS

The President signs and approves the bill. The bill is law.



# Federal Appropriations Process



# Key Issues

- Focal points of the Institute's engagement with Congress, the administration, state and local officials
- Support formation of discussions at annual AIAA forums
- Form the basis of smaller focused events (on and off Capitol Hill)
- Three Policy Pillars:
  - Funding Stability and Competitiveness
  - R&D and Innovation
  - Workforce Development and Enhancement
- Our motive is to strengthen our profession and serve as a valued resource for decision makers

# Executive Summary – Primary Message

- The COVID-19 pandemic has created a crisis for the A&D industry
- The industry is critical to our economic prosperity and national security
- The industry has stepped-up in response to the crisis by rapidly producing and transporting needed PPE, developing and delivering critical ventilators, and now distributing the vaccines
- It will be an essential part of our nation's rapid recovery from the pandemic
- The sector is also critical for addressing climate change and it provides significant opportunity for young people of all races and economic conditions to tackle complex challenges
- AIAA calls on lawmakers to support the people and the companies of the A&D industry by increasing investments in research and providing adequate funding for programs and missions

# Pertinent Legislation

## Research Funding and Innovation

### [H.R. 869](#) – Research Investment to Spark the Economy (RISE) Act

- Recommends that Congress appropriate about \$25 billion across science agencies to address disruptions to research projects and support research on pandemic preparedness.
- Introduced by Reps. Dianna DeGette (D-CO) and Fred Upton (R-MI)
- Referred to the House Committee on Science, Space, and Technology
- Related legislation ([S. 289](#)) introduced by Sens. Edward Markey (D-MA) and Thom Tillis (R-NC) and referred to the Senate Committee on Health, Education, Labor, and Pensions

## A&D Jobs and Supply Chain

### [H.R. 553](#) – Aviation Manufacturing Jobs Protection Act

- Establishes a temporary relief program to provide a 50 percent cost-share to help cover costs of pay, benefits, and training for employees at risk of being furloughed or who were furloughed due to the pandemic.
- Introduced by Reps. Ron Estes (R-KS) and Rick Larsen (D-WA)
- Referred to the House Committee on Transportation and Infrastructure
- Related legislation introduced by Sen. Jerry Moran (R-KS) **has been included in the COVID-19 relief package**

# Policy Pillar: Funding Stability and Competitiveness

- Provide stable and sustained funding for the A&D sector, including:
  - DOD, at a level that supports efficient, effective **multi-year acquisitions and operations**.
  - NASA directorates in a balanced and predictable manner to meet **short and long-term program and mission requirements**.
  - FAA at a level to support **safe ongoing operations**, to incorporate **vital technology advancements**, and to lead **collaboration with global civil aviation regulatory authorities**.
  - **Foundational and applied research in federal laboratories and universities** at levels consistent with maximizing economic growth & technological leadership.
  - Streamlining the **certification and defense acquisition processes** by tailoring oversight requirements to risk.
  - Accelerating the establishment of policies for advancing the **development and integration of new aerospace technologies**, often by small businesses, into A&D supply chains and into larger society.
  - Examining **A&D current and planned product supply chains** to identify policy initiatives to address potential global disruption weaknesses, such as access to rare earth elements essential for weapons systems.
  - Continuing to review and roll back **restrictive export controls**.

# Policy Pillar: R&D and Innovation

- Invest in A&D research and development to protect jobs now, provide opportunity for future employment, and to sustain into the future the U.S. leadership position in aerospace innovation. For example,
  - Supporting robust, **long-term federal research and technology initiatives** in aeronautics and space funded at a level that will ensure U.S. leadership in critical areas such as artificial intelligence, autonomy, cybersecurity, hypersonics, and robotics.
  - Offering **incentives for research by large corporations and small businesses**, including the commercialization of that research into new products and services.
  - Streamlining the **federal government's A&D product development process** by tailoring risk acceptance to better align with potential benefits, timeliness, and lifecycle cost management.
- Invest in the tools and processes that support and drive innovation, advancing research into new technologies and development into new A&D products. For example,
  - Sustaining **infrastructure critical to the advancement of R&D** such as computational modeling/simulation and experimental ground and flight-testing capabilities.
  - Supporting federal programs in critical areas to **accelerate innovation and technology transition** to operational applications.
  - Re-energizing the **Small Business Innovation Research (SBIR) program** across the government by emphasizing new initiatives that address barriers in bringing SBIR/STTR technologies to the marketplace.

# Pertinent Legislation

## H.R. 476 – Innovation Centers Acceleration Act

- Establishes an \$80 Billion national investment in 9 Innovation Centers over 9 years, as determined by a national competition among major metropolitan areas.
- Introduced by Reps. Joe Morelle (D-NY) and Teri Sewell (D-AL) on 01/25/21
- Referred to the House Committee on Science, Space, and Technology
- Related legislation introduced by Sens. Chris Coons (D-DE) and Dick Durbin (D-IL)

# Policy Pillar: Workforce Development and Enhancement

- **Enable a diverse and robust STEM pipeline. For example,**
  - Develop **public/private partnerships** at national, state, and local levels to:
    - Rebuild the nation's K-12 educational process, with particular focus in underrepresented and economically disadvantaged communities – as math and reading proficiencies below 50 percent overall and much lower for minority students limit the future of many.
    - Broadly expand and increase availability of remedial learning to help bridge the gap for those struggling in K-12 to future opportunities in tech/craft apprenticeships and at colleges/universities.
  - Pass legislation, such as the Higher Education Act, that enhances the **pipeline of STEM-competent workers** into the U.S. economy, including initiatives aimed at underrepresented communities and institutions.
  - Encourage the recruitment and professional development of **K-12 STEM teachers** through federal incentives, increased salaries, improved working conditions, and grants.
  - Increase research grants to minority-serving institutions by utilizing specific targets and goals to improve capabilities and include research as direct technical support to the vital programs of federal agencies.
  - Encourage support of professional societies as sources of knowledge, career growth, and organizations with direct connection to drive the above STEM-related recommendations.
- **Support development of the workforce for all skill types and stages of career to advance learning commensurate with tech and product advancement. For example,**
  - Promote **training and educational initiatives** that support knowledge retention and stability for mid-career and transitioning workforce.
  - Incentivize industry to recruit **military personnel transitioning to the civilian workforce** by standardizing the process and better categorizing the military skill set.
  - Pass visa legislation that welcomes and retains **highly educated international professionals** who earn advanced STEM degrees from U.S. colleges and universities.

# Pertinent Legislation

## Workforce Preparation and Diversity

### [S.360](#) – 21<sup>st</sup> Century Space Grant Modernization Act

- Updates the Space Grant program and ensure that the program equally balances the needs of NASA with individual state STEM workforce needs.
- Introduced by Sens. Shelly Moore Capito (R-WV) and Kyrsten Sinema (D-AZ) on 02/23/21
- Referred to the Senate Committee on Commerce, Science, and Transportation

### [H.R. 720](#) – CHANCE in TECH Act

- Directs the Secretary of Labor to enter into contracts with industry intermediaries for purposes of promoting the development of and access to apprenticeships in the technology sector.
- Introduced by Rep. Seth Moulton (D-MA) on 02/02/21
- Referred to the House Committee on Education and Labor

### [H.R. 594](#) – Working on Rewarding and Keeping Employees Resilient (WORKER) Act

- Advances STEM education and provides for improved worker training, retention, and advancement.
- Introduced by Rep. Tim Ryan (D-OH) on 01/28/21
- Referred to the House Committee on Education and Labor

# Pertinent Legislation (cont.)

## [H.R. 447](#) – National Apprenticeship Act

- Authorizes \$3.5 billion over the next five years for registered apprenticeships, as well as youth apprenticeships and pre-apprenticeships.
- Introduced by Rep. Bobby Scott (D-VA) on 01/25/21
- Referred to the House Committee on Education and Labor

## [H.R. 210](#) – Rural STEM Education Act

- Directs NSF to support research on ways to improve the quality and accessibility of STEM instruction in rural schools, including through online coursework.
- Introduced by Rep. Frank Lucas (R-OK) on 01/05/21
- Referred to the House Committee on Science, Space, and Technology

## [H.R. 204](#) – STEM Opportunities Act

- Expands collection of demographic data on federal research grant applicants and promote the identification and dissemination of best practices for increasing diversity in STEM.
- Introduced by Rep. Eddie Bernice Johnson (D-TX) on 01/05/21
- Referred to the House Committee on Science, Space, and Technology

# Pertinent Legislation (cont.)

## Foreign-Born Students & Professionals

### [H.R. 1177](#) – U.S. Citizenship Act

- Foreign students who receive doctoral degrees in certain STEM fields (i.e., engineering) from a U.S. institution would be exempted from numerical caps on visas; grants work authorization to the spouses of H-1B holders and enable the government to prioritize H-1B allocations to employers that offer the highest wages.
- Introduced by Rep. Linda Sanchez (D-CA) on 02/18/21
- Referred to the House Committee on the Judiciary
- Related legislation introduced by Sen. Bob Menendez (D-NJ)

Sens. Dick Durbin (D-IL) and Chuck Grassley (R-IA) have called on the Dept. of Homeland Security to retain and implement a rule that would overhaul the H-1B selection process

- New selection system incentivizes H-1B employers to offer higher wages, or to petition for positions requiring higher skills, to increase the likelihood of their selection and eligibility to file an H-1B cap-subject petition
- Prevents employers from paying foreign workers lower wages to fill the position with a comparably skilled American worker

# Miscellaneous Issues

## ➤ Privatization of the International Space Station

- **IF ASKED!** The United States cannot lose the capability of conducting research in low Earth orbit. Development and implementation of a well-thought-out transition plan for the privatization of the ISS, and its research and development capabilities, is critical. Congress should work closely with the administration, industry partners, and the international community about the future of the Space Station.

## ➤ United States Space Force

- **IF ASKED!** We appreciate how Congress and the administration have made it a priority to focus on national security space and modernize our defenses and maintain our preeminence over our adversaries. The Institute, through our DEFENSE Forum and ASCEND event, as well as technical resources, remains committed to working with the existing military leadership and welcomes the new branch's leadership to ensure that space remains conflict free and open to all.

# Miscellaneous Issues (cont.)

## ➤ Advanced Air Mobility (AAM)

- Refers to safe, sustainable, affordable, and accessible aviation for transformational local and intraregional missions enabled by electrification and automation
  - As a system, AAM involves vehicle development and operation, airspace design and operations, and community integration
- AIAA views this air mobility as a critical developing topic
- AIAA is part of the Air Mobility Council—a group of non-profit associations and professional societies supporting the educational, technical, and/or policy issues related to AAM
- Advanced Air Mobility Coordination and Leadership Act ([H.R. 1339](#) and [S. 516](#)) recently introduced
  - DOT Secretary to lead a working group comprised of members from nine government agencies to engage and work with the civil aviation industry when developing AAM policies

# Miscellaneous Issues (cont.)

## ➤ Sustainability in Aviation

- ...is an increasingly important aspect for our world. The aviation community has a role in addressing the challenges of climate change. For that reason, AIAA strives to highlight the latest advancements in new technologies, advocate for research and development funding, help prepare the workforce, and support policymakers—all needed for long-term sustainability.
- 8 February Webinar: [Sustainability in Flight—Our Journey to Decarbonization](#)
  - Industry stakeholders discussed efforts under way and the significant cooperation, innovation, and education required for the aviation industry to reduce its portion of the carbon footprint
- Policy-related webinar planned for 26 April (11am ET)
  - Featuring gov't officials from House Science Committee, NASA ARMD, and the FAA
- Sustainability Aviation Fuel Act ([H.R 741](#))
  - Incentivizes the production of sustainable aviation fuel and help the aviation sector reduce carbon emissions

# Positive Development

- Congress recently passed the American Rescue Plan
  - \$1.9 trillion coronavirus relief package
  - Provides critical aid to help our industry jumpstart the nation's recovery
  - Allocates \$3 billion in payroll support for aerospace manufacturers, including a 50% government cost-share program for workers most at risk of lay-off or furlough
  - Gives agencies funds to cover certain contractor costs and to keep skilled personnel and workers in a ready state during the COVID-19 response through the end of the fiscal year
  - Small businesses—essential to the A&D supply chain—will greatly benefit from the additional \$7.25 billion made available to the Paycheck Protection Program.

# Lots To Do...

- Return to regular order and pass the FY22 appropriations bills on time
  - Congress has not passed all 12 appropriations bill prior to the beginning of a new fiscal year since the late 1990s
    - Election-related politics will likely present challenges this year
- Pass a long-term NASA authorization bill
- Pass the FY22 National Defense Authorization Act
- Reauthorize the Higher Education Act
  - Last authorized in 2008; extensions since 2013
- Several STEM-related bills need further consideration
- Continued pandemic relief
  - Lawmakers must take substantial action to address the needs of the A&D industry. Stable funding will help sustain this vital industry during these difficult times and maintain the robust and world-leading A&D sector for years to come.

# Outreach Documents

## Provided In Advance:

- [2021 Key Issues](#)
- [State aerospace fact sheet](#)

## Provide Afterwards:

- [Information Papers](#) (as appropriate for office)

\*List of pertinent legislation should not be provided to congressional staff. It's for internal consumption.

# Aerospace State Fact Sheets

- Infographics for each state + DC and Puerto Rico
- Most include:
  - Aerospace-related jobs
  - List of major industry employers
  - List of major military installations
  - Number of major airports
  - Number of ABET accredited aerospace engineering programs
  - Average industry wage
  - Industry's economic impact
  - Other notable information of relevance to the state/region
- Please refer to the sheet during your meeting

# Information & Platform Papers

- Additive Manufacturing Revolutionizing What We Make
- Addressing COVID-19 Challenges to U.S. Aerospace and Defense
- Aeronautics R&D: A Key to Economic Prosperity
- Aeronautics R&D Policy Platform Paper
- Aircraft Certification: Accelerating Innovation in Civil Aviation
- FAA Next Gen: Modernizing our Nation's Skies
- Hypersonics: A Game-Changing Technology
- STEM Pipeline
- Security Clearance Reform: Increasing Efficiency to Meet Government Needs
- Space Policy Platform Paper
- Supersonic Flight Over Land: High-Speed Flight for the 21st Century
- Sustainability in Flight: Our Journey to Decarbonization
- The Benefits of Moon and Mars Exploration
- UAS: Expanding Transportation and Driving Growth

# Other AIAA Policy Products

- Teams could reference the following virtual products:
  - [Space Policy Pod](#)
    - Joint production with The MITRE Corporation and U.S. Chamber of Commerce (18 episodes to date)
  - [“Aerospace 101” Congressional Briefings](#)
    - First Session: civil aeronautics, civil and commercial space
    - Second Session: national security space
  - [Webinars](#)
    - Featuring specific issues and senior government stakeholders
- Our goal is to be resourceful for these members/staffers

# What We Are Trying to Accomplish

- Sharing our Key Issues
- Explaining why they are important to our community and to the member's constituents
- Striving to get the member more engaged in these important issues
  - What information can our community provide to assist their legislative efforts?
  - Other ways we can help and be a resource?
- Growing existing relationships and building new relationships

# AIAA Needs from State Captains

- Submit reports for each meeting held
  - Access: <https://www.surveymonkey.com/r/7Y3M7HT>
- Provide total number of:
  - Team participants
  - Student participants
  - Young professional participants
  - Professional participants
  - Retired participants
  - Sections represented
  - Meetings w/ congressional delegation (House & Senate)

# Document Event

- Submit meeting screenshots for the AIAA website (communications@aiaa.org)
- Post to your personal social media pages
- Use the AIAA Twitter hashtag: #AIAACVD

# Post-Event Survey

- McKinley Advisors will conduct the survey this year
  - Look for an email from me about the survey on 23 March
  - McKinley to provide the survey link on 24 March
  - Survey submissions are due 31 March
- Your feedback will help AIAA understand the positive aspects of the event and, more importantly, what we can improve upon for next year's CVD program
  - Especially important this year being our first all-virtual CVD
- PPC's Advocacy WG to produce a comprehensive CVD report with meeting metrics and survey results
  - To be shared with AIAA leadership and posted to the website
  - Metrics will also be shared with CVD participants

# AIAA Staff POC

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# **Kate Kronmiller**

Vice President, Government Relations  
Jacobs

# **Rick Podliska**

Senior Policy Advisor  
U.S. Congressman Bill Posey

# Mock Hill Meetings

## Participants:

- Melanie Grande – Emcee, AIAA team member
- Matt Angiulo – AIAA team captain
- Arjun Rao – AIAA team member
- David Fox – AIAA team member
- Robert LaBranche – Legislative Assistant
- Tim Dominick – Member of Congress (brief cameo!)

# Successful Virtual Advocacy – Don'ts

- Wear inappropriate clothing, like wearing pajamas
- Arrive late
  - If you're running several minutes late you may want to consider skipping the meeting altogether
- Sit in front of a window or in front of kids playing in the background
- Leave your mic unmuted, or make a lot of background noise (e.g., vacuuming, chewing)
- Use nicknames or initials for your “virtual name tag”
  - Consider using: First Last – AIAA
- Interrupt the speaker or talk over your teammates
- Be distracted by other emails/texts/calls

# Successful Virtual Advocacy – Do's

- Practice using Zoom (or another platform) with your team beforehand!
  - Test your audio/video settings
- Wear appropriate, professional clothing
- Arrive a few minutes early to set up your personal Zoom settings
  - Have your computer/headset totally charged
- Use of your video is preferred
  - Have good lighting and sit in front of a tidy/non-busy background
- One team member (often the state captain) should lead the meeting and moderate the discussion
  - Other team members may be designated to cover specific issues/content
- Mute yourself unless you are speaking!
- Stick to your planned script/talking points
- Listen to who is talking, and be responsive
- Be mindful of the time and avoid running over

# Please Remember!

- We are here at CVD for AIAA's advocacy... Not YOUR company's/organization's, program's, or own personal cause!
- Be prepared, professional, and engaging (the best meetings are conversations)
- No cell phones and no private side conversations
- Be responsive to questions and have supporting information handy
- Take necessary notes for follow up
- Thank the staffer for their time and support

# Questions and Answers

# State Team Breakouts



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