



Aerospace Industries Association of America (Industry Update)

**International Partners with ASD for the Continued Development of
The S-Series Specifications**

<https://www.aia-aerospace.org/>

Name of Presenter: Mr. Gery Mras
Rank/title of presenter: Director, Lifecycle Management
Company/Organization: Aerospace Industries Association of America (AIA-USA)

The aerospace and defense industry faces never ending challenges

2022 headlines about the state of the industry (US perspective)

“The Federal Aviation Administration has said 5G networks could disrupt aircraft operations. Cellular towers and antennas near airports could interfere with radio altimeters.”

“The high rate of inflation since fiscal year 2021 has reduced the Defense Department’s buying power by \$50 billion.”

“The ‘Great Resignation’ and how it affects the aviation workforce pipeline for talent acquisition”

“The global aerospace industry is in the midst of a post-pandemic rebound, but supply chain problems have left suppliers and manufacturers scrambling to source everything from raw materials to small electronic components to keep production moving.”

“ The [United Nations](#) (UN) has agreed to a long-term aspirational goal for aviation of net-zero emissions by 2050,

“Industry 4.0 is the biggest structural change of the past 250 years — a transformation of scale, scope and complexity is unlike anything humankind has experienced before.”

Aerospace Companies with strong financial discipline expected to use Mergers & Acquisition (M&A) to drive growth in emerging technologies



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The approach to collaborate and unify on a position has not

AIA in 1919 in New York City, formerly known as the US Aeronautical Chamber of Commerce



What's are the topics of discussion during this post WW1 era meeting?

- Standardization on interchangeable replacement parts
- Establishing air-fields and flight routes across the US
- Improving business commerce by moving a higher volume of mail in less time with aircrafts
- The weather bureau's utilization of aircrafts and balloons
- Regulating improper operation of aircrafts

AIA Executive Committee Leadership



Eric Fanning

President & Chief Executive Officer, Aerospace Industries Association

Defense firms push Congress for Pentagon budget increase over inflation

By Joe Gould and Bryant Harris Thursday, May 26



Mike Petters

Chair, Aerospace Industries Association Executive Vice Chairman of the Board, Huntington Ingalls Industries



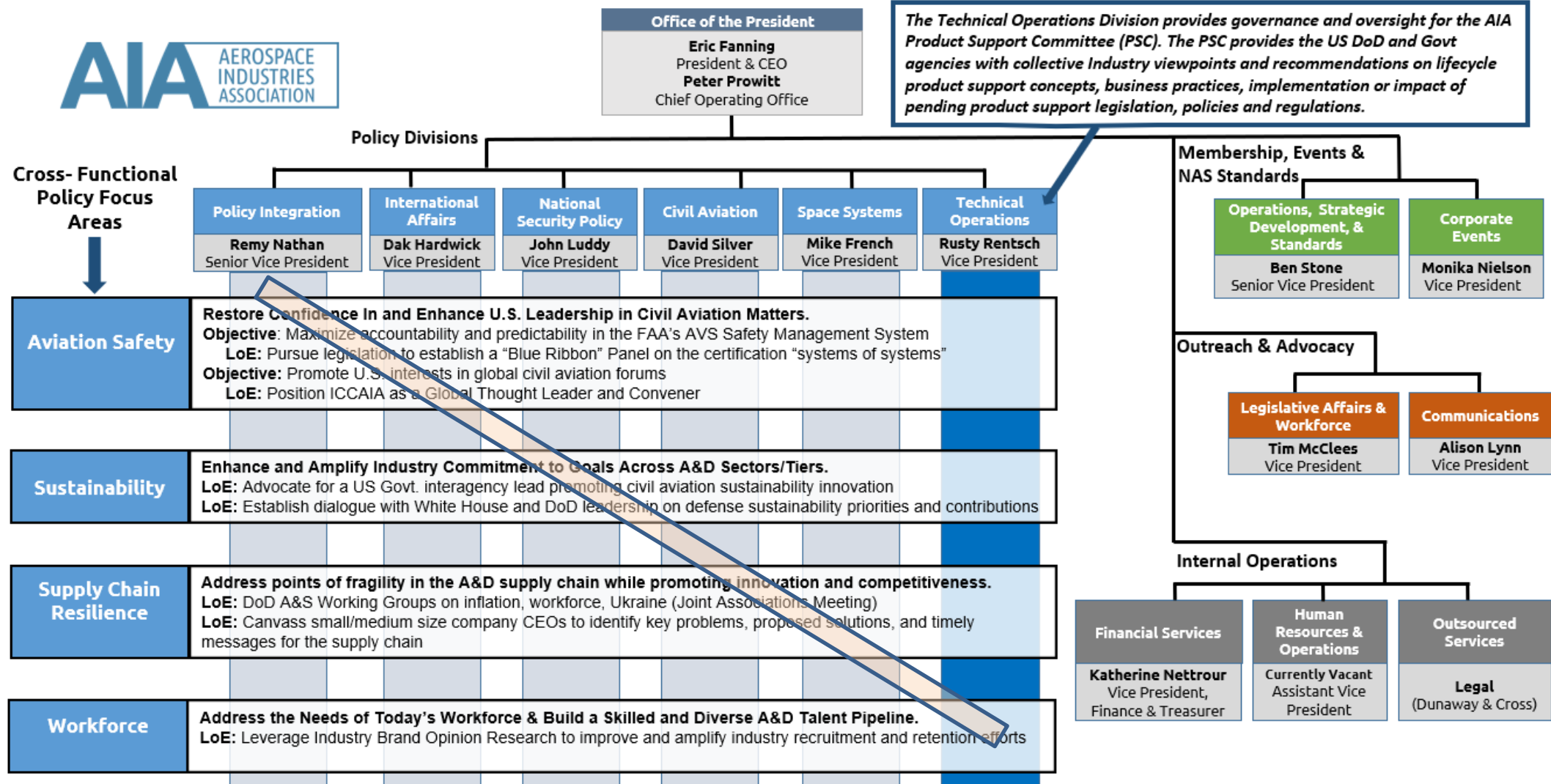
Tom Gentile

Vice Chair, Aerospace Industries Association President & CEO, Spirit AeroSystems



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AIA Organization



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International Affairs Division

Current Lines of Effort (LOE)/ Issues/ Tracking:

- Ongoing dialogue with White House/National Security Council on the US response to Ukraine & other allies
 - DoD team examining areas to accelerate Foreign Military Sales in conjunction with the US security cooperation process
 - Promoting opportunities related to the Arms Export Control Act for conventional weapon
- Possible new multi-lateral export regime focused on trade with China
- New Commerce notice of proposed rulemaking on export market for Artificial Intelligence (AI) technologies
- International organization for aerospace industry associations (ICCAIA) discuss trade compliance issues due to US Govt/ Russia export control actions
- Activities to support 2023 Paris Airshow



Photo Credit: General Dynamics

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National Security Policy (NSP) Division

Current LOE Issues/ Tracking:

Contracting during an inflationary economy is having a profound impact on the Defense Industrial Base (DIB)

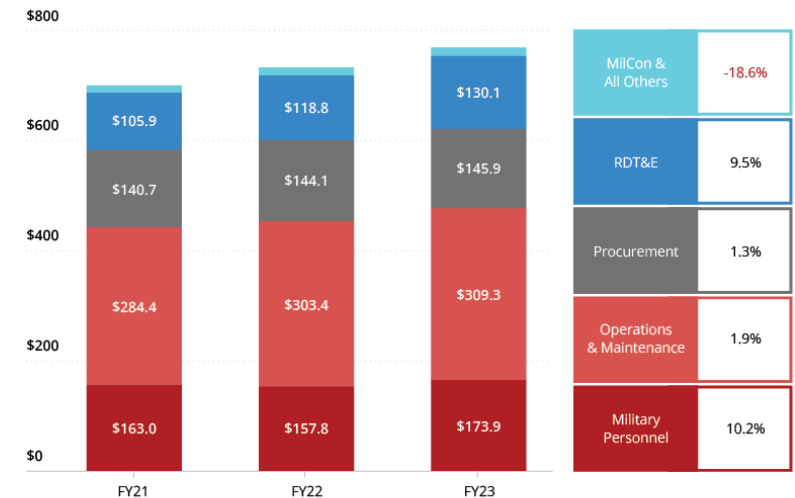
- Happening in a context: budget instability, pandemic, workforce challenges have weakened DIB
- Impact: ~\$50B in lost buying power of FY21-22 appropriations; ~\$42B needed to preserve FY23 Presidential Budget Request (PBR)
- AIA has identified compelling data/examples/anecdotes describing lost/departing vendors, price instability, labor/workforce turmoil (especially among medium & small companies), 'unwillingness to commit'
- DOD policies are well-intended, but have thus far been late, half-hearted, and inconsistently applied

Ukraine/Support to Partners and Allies

- Aid to Ukraine is broadening from near-term weapons for the fight to longer term defense posture and sustainment
- Increasing focus on defense trade: restocking US/allied stocks and supporting partners' shift from Russia
- Deputy Sec. of Def. Hicks's new Foreign Military Sales "Tiger Team" examining ways to speed U.S. equipment to allies



DoD Topline Budget by Title (USD Billions)



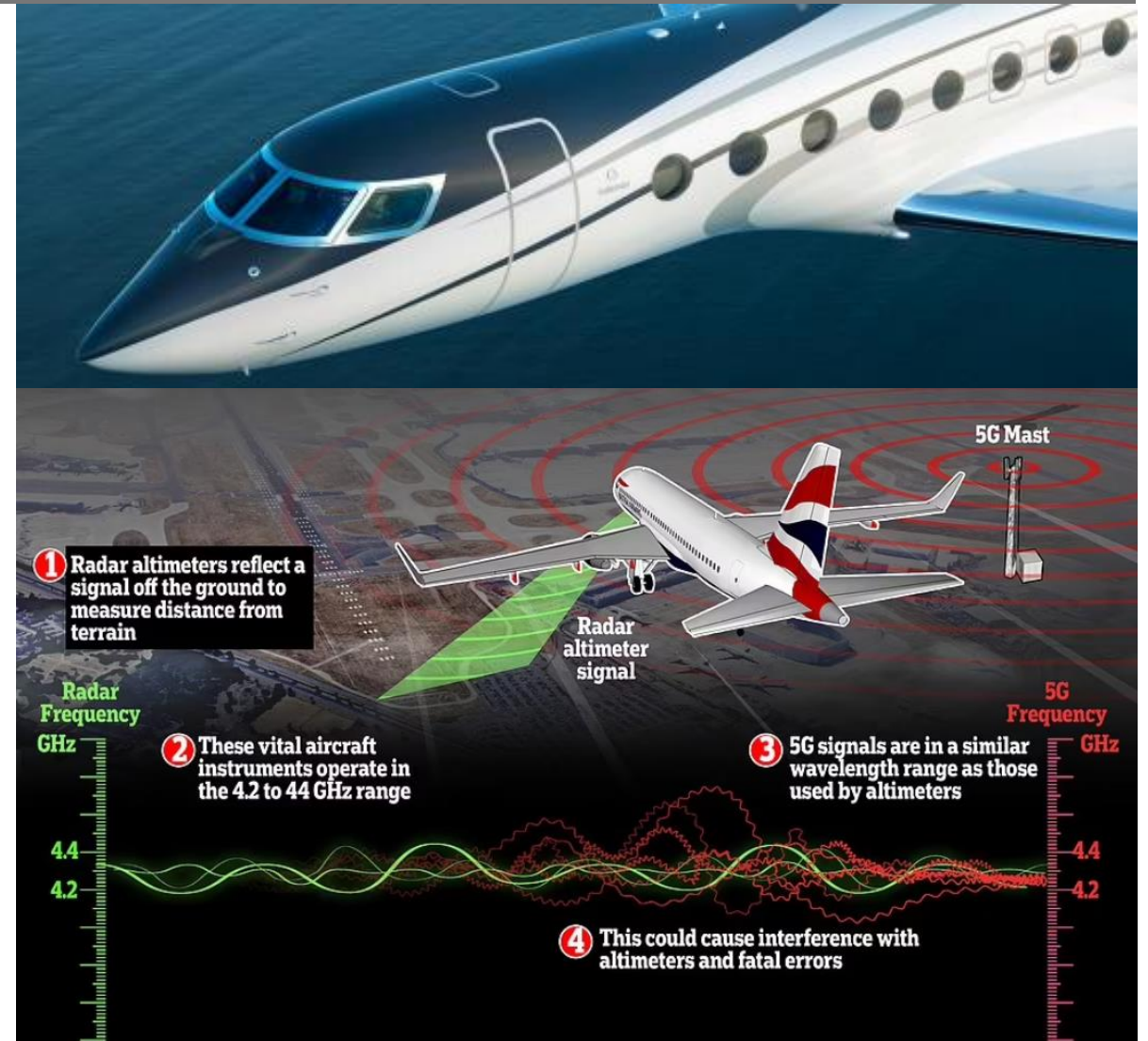
Source: DoD FY23 President's Budget and FY22 Appropriations

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Civil Aviation Division

Current LOE Issues/ Tracking:

- (Net-Zero Carbon Emissions by 2050) Promote efforts to endorse the Environmental and Sustainability Committee to support aviation innovations o the future
- Representing AIA members focused on shaping Advanced Air Mobility (AMA) legislation
- Advocating to reverse course of legislation supporting the R&D tax amortization
- Shaping FY24 FAA Reauthorization priorities with Senate Commerce Committee
- Advocate for increased NASA funding in FY23
- Host the FAA-EASA International Safety Conference
- Provide sustaining RF spectrum and 5G deployment policies



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Space Division

Current LOE Issues/ Tracking:

National Security Space

- Advocate for FY23 acquisition priorities
- Represent members interests with White House National Security Council (NSC) to reduce the Over-classification of US space systems, giving the DoD opportunities to articulate what it will take to deter hostile action, and if necessary, exercise warfighting options in space

Civil Aviation Space Exploration

- NASA Authorization passed supporting AIA priorities
- President’s FY23 NASA mark-up aligned with AIA priorities
- Support September White House Space Council meeting

Commercial Space Travel

- US / EU government and industry collaboration
- Regulatory activity with NTSB, FAA, FCC
- Shape US State Department space sustainability policies



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Technical Operations Division

Current LOE Issues/ Tracking:

The AIA Executive committee directed the association to stand up a Digital Transformation Council as part of the Technical Operations Division

Product support provisions adopted into the FY23 National Defense Authorization Act, crediting the AIA PSC Policy Subcommittee’s collaboration with SASC:

- In July 2022, the Senate Armed Services Committee (SASC) directed the Under Secretary of Defense for Acquisition and Sustainment to submit a S-Series feasibility and advisability report to the US Congress by March 1, 2023, with their assessment.

Ongoing / Upcoming

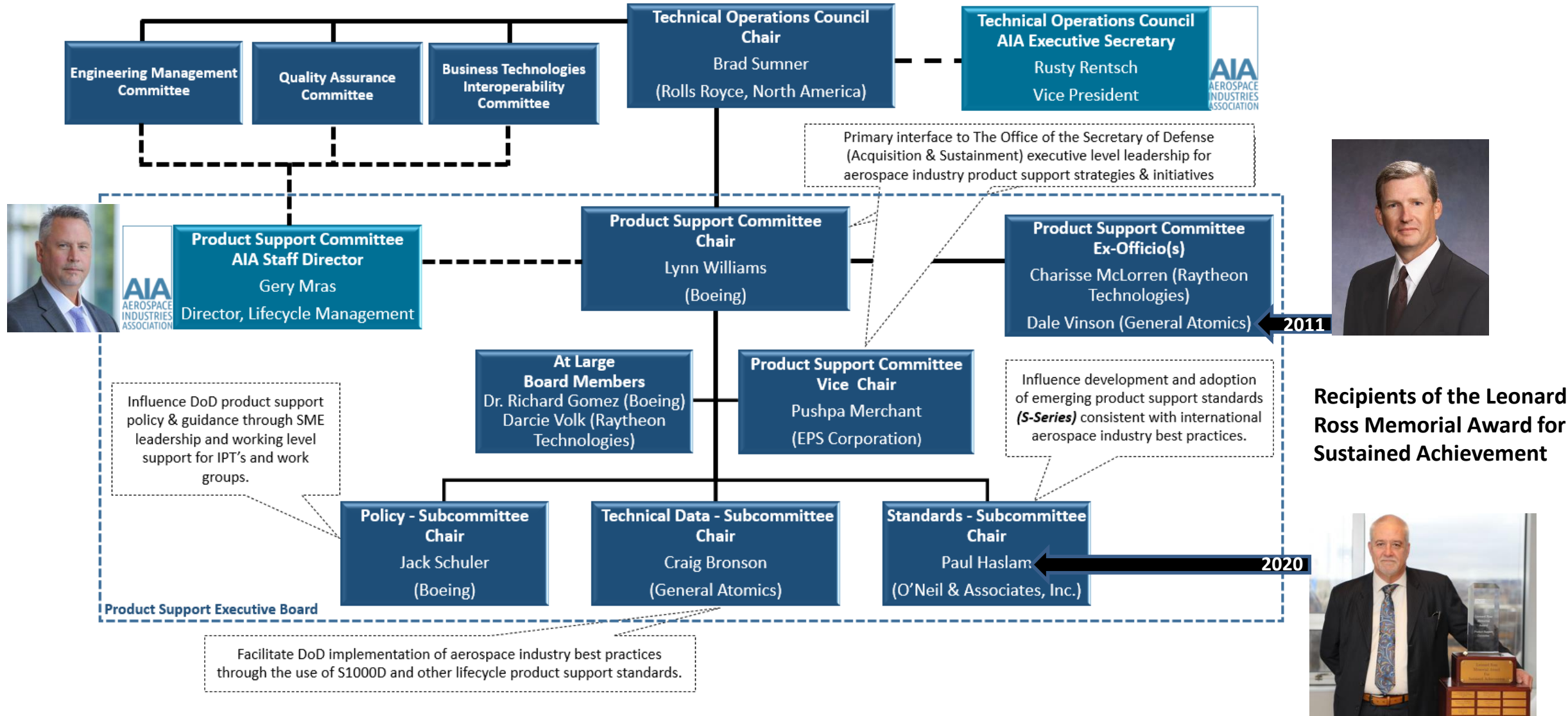
- Practical Software and Systems Measurement (PSM) Digital Engineering Measurement Framework” (Whitepaper Published)
- MRO Personnel Certification Digital Verification Initiative (Blockchain)
- Advanced Manufacturing Technologies, Industry 4.0 Initiatives (Whitepaper)
- US DoD and OUSD (A&S) Senior Policy Executives S-Series Training, November 14-15th
- Digital Engineering Tools Interoperability (Whitepaper to be published in Q/4)
- NAS413, Remote Surveillance (Standard to be published in Q/4)
- NAS412, Foreign Object Damage Prevention (Workshop Nov 9-10)
- On track for EOY publication (Supply-Chain Resilience)



[1](#) Senate Armed Services Committee Report to Accompany the National Defense Authorization Act for Fiscal Year 2023 (S. Rept. 117-130), July 18, 2022, *Item of Special Interest: Assessment of commercial sustainment standards for defense applications*, found at <https://www.congress.gov/congressional-report/117th-congress/senate-report/130/1>.

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Technical Operations Council Structure



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AIA Leonard Ross Memorial Award for Sustained Achievement

On June 30, 2022, the AIA Leonard Ross Memorial Award for Sustained Achievement was awarded to Mr. William (Bill) Shook, Associate Technical Fellow, The Boeing Company

- Mr. Shook is most recently credited for his contributions as the as US Chair of the international specification for training analysis and design, [S6000T](#)
- Mr. Shook is the sixteenth honorary recipient of the award since the award was commissioned by the AIA Product Support Committee in 1988.
- The award is based up a demonstration of excellence in the following areas:
 - Outstanding achievement in supporting AIA and the Aerospace Industry
 - Sustained superior performance on behalf of the AIA Product Support Committee
 - Demonstrated leadership
 - Contributions/Innovations within the product support, logistics, technical publications, and/or services career fields
 - Industry contributions that reflect competence, integrity and zeal




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SAVE THE DATE
AIA is Pleased to Announce the S1000D and S-Series IPS User Forum
September 11-15, 2023
Sawgrass Marriott and Golf Resort, Ponte Vedra, FL

AIA AEROSPACE INDUSTRIES ASSOCIATION


Meeting Accommodations




International Connections



Resort Access to Ponte Vedra Beach



TPC Sawgrass Visit/ Tour/ Golf



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Notional Timeline for 2023 S1000D and S-Series IPS User Forum

All Event related information will be posted on the AIA website → [Click Here](#)

- The **Call for Abstracts** will open on December 15, 2022, and will remain open until February 15, 2023
 - Abstract submittal form → Found on AIA website
 - User Forum Task Team abstract review period will run January 15 to April 15, 2023
 - Speaker notification of acceptance on or before April 30, 2023
- **Event Agenda** → Coming May 10, 2023
- **Sponsorship opportunities:**
 - Sponsorship prospectus → Available December 15th
 - Sponsorship submittal form → See link above
- **Exhibitor opportunities:**
 - Exhibitor prospectus → Available December 15th
 - Exhibitor submittal form → See Link above
- **Event registration & Sawgrass Marriott room block reservation system** (Opens May 15, 2023)

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Austrian Aeronautics Industries Group (AAIG)
www.aaig.at

Hosts on behalf of ASD-Europe

IPS User Forum 2022 in Vienna, October 17th – 20th

www.IPS-UF.com



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Austrian Defence & Security Industry Association (ASW)
http://www.wkoarge.at/en/asw/about-us/

Thank You

for your attention!

Questions?

Mras Biography → [Click Here](#)



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