



# AIA Update 2018 S1000D User Forum

September 11, 2018

Rusty Rentsch  
Vice President Technical Operations and  
Standards

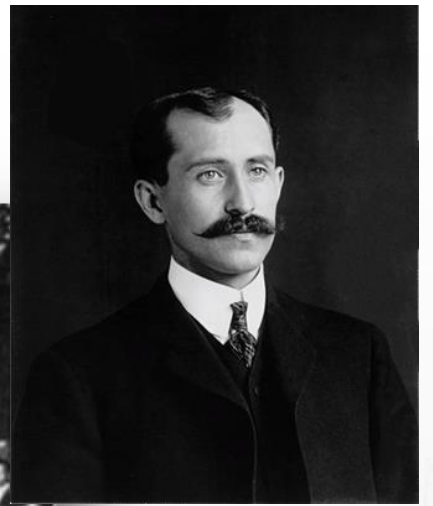
[Rusty.Rentsch@aia-aerospace.org](mailto:Rusty.Rentsch@aia-aerospace.org)





AERONAUTICAL CHAMBER OF COMMERCE  
OF AMERICA, Inc.

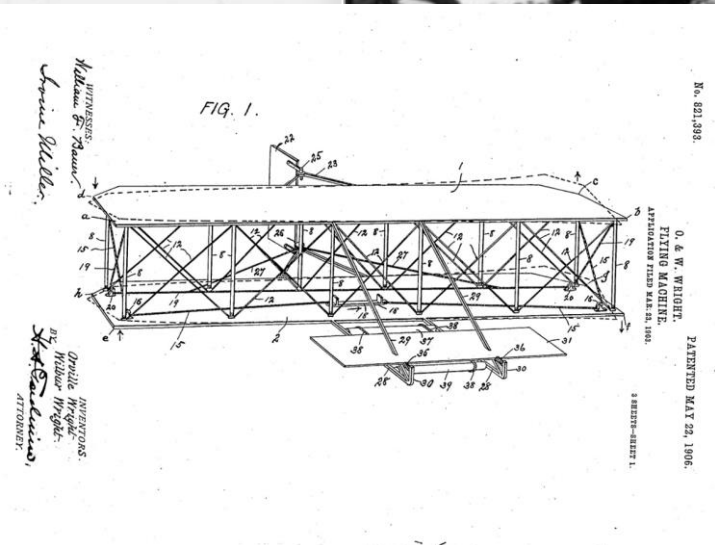
Waldorf Astoria, New York, NY,  
January 1919



Orville Wright



Glen Curtiss



# AIA 2018 Officers



**Thomas A. Kennedy**  
Chairman, Aerospace  
Industries Association  
Chairman & Chief  
Executive Officer,  
Raytheon Company



**William M. Brown**  
Vice Chairman,  
Aerospace Industries  
Association  
Chairman, President  
& Chief Executive  
Officer, Harris  
Corporation



**Eric Fanning**  
President & Chief  
Executive Officer,  
Aerospace Industries  
Association



**Ginette C. Colot**  
Chief Financial  
Officer, Secretary-  
Treasurer

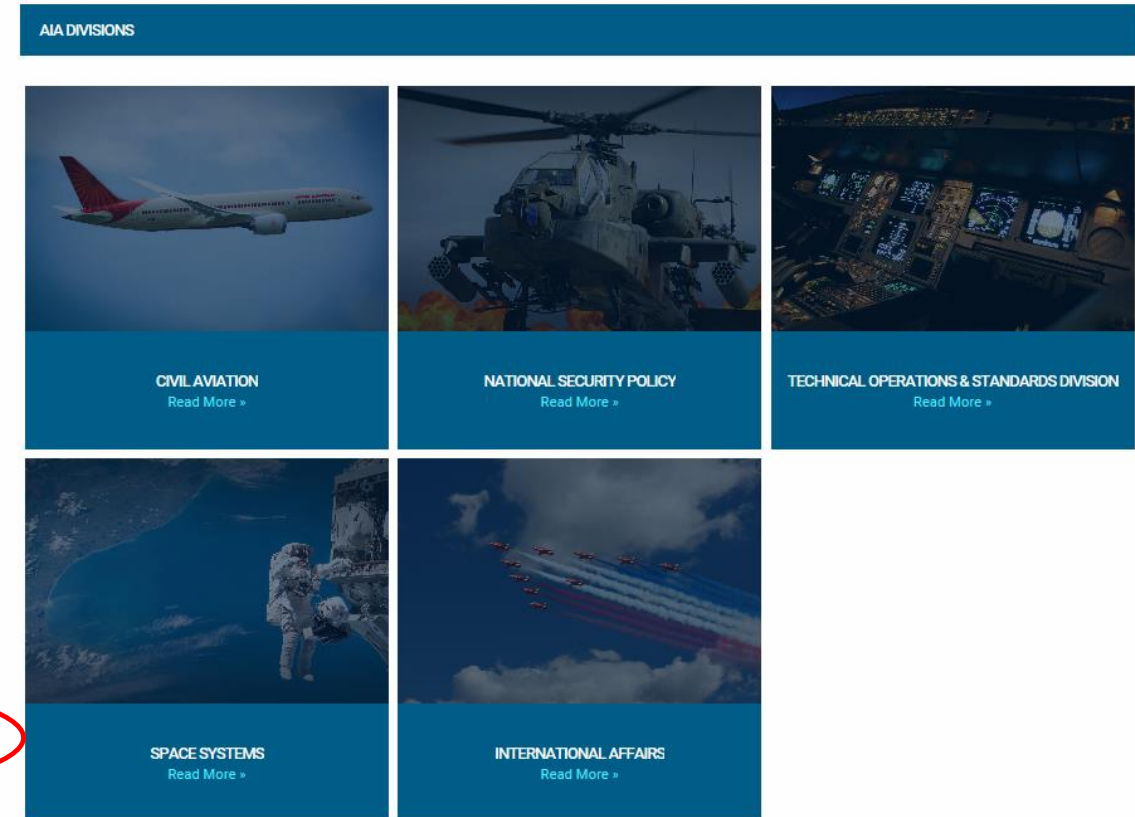


# Mission and Vision

- AIA is an advocacy organization -- based in Arlington, Virginia -- that represents more than 340 companies in the aerospace and defense industry and their suppliers – including every high-technology manufacturing segment of the U.S. aerospace and defense industry including commercial aviation and avionics, manned and unmanned defense systems, and space technologies and satellite communications. Together our members strengthen our national security, drive the American economy, fuel innovation, and employ millions of Americans.
- Our role is to advocate for our members on critical issues in four priority areas: increasing investment in aerospace and defense, strengthening industry engagement with government, ensuring global competitiveness, and supporting innovation and a 21st century workforce.

# AIA Policy Divisions

- [Civil Aviation](#)
- [International Affairs](#)
- [Legislative Affairs](#)
- [National Security Policy](#)
- [Space Systems & Workforce](#)
- [Technical Operations & Standards](#)



# What Defines AIA?

**Aerospace & Defense  
Investment**

**Industry-Government  
Engagement**

**Global  
Competitiveness**

**Innovation & 21<sup>st</sup> Century Workforce**



# AIA's Strategic Focus

## Aerospace & Defense Investment

- Robust, balanced, stable A&D budgets (e.g., repeal/revise BCA)
- Increased research and development by government and industry
- Investment in infrastructure (e.g., funding NextGen)

## Industry-Government Engagement

- Strategic awareness (e.g., acquisition policy)
- Institutional structural reform
- Smart regulatory reform/framework
- Facilitating Industry Standards
- Certification Reform
- Cybersecurity
- Sustainment

## Global Competitiveness

- Security Cooperation Enterprise Reform (e.g., Arms Transfer Initiative)
- Ex-Im Bank
- Free/fair trade agreements [NAFTA renegotiation, misc. tariffs]
- Commercial space competitiveness
- Global supply chain access

## Innovation & 21<sup>st</sup> Century Workforce

- Growing sustainable/capable/eligible industrial base talent (Engineers/Programmers/Machinists)
- Inspire the next generation workforce (e.g., Rocketry Challenge)
- Promote STEM education
- Enhance diversity & inclusion
- Strengthen government and industry workforce
- Incentivize degree & non-degree

# Technical Operation and Standards – Councils, Committees

## Councils

### Technical Operations Council

**Chair:** Andrea Chavez, Ball Aerospace  
**Vice Chair:** Linda Cadwell-Stancin, Spirit Aero Systems  
**Focus:** Technical Program Management  
**Participation:** Corporate VPs and Directors of Engineering

## Committees

### Engineering Management CMTE

**Chair:** Randall Lum, Northrop Grumman Corp.  
**Vice-Chair:** Bill Luk, BAE Systems  
**Focus:** Design and Manufacturing Engineering Policy and Practices  
**Participation:** Engineering Directors

### Product Support CMTE

**Chair:** Mike Kelly, Northrop Grumman  
**Vice Chair:** Joe Spruill, Lockheed Martin  
**Focus:** Sustainment policy and Best Practices  
**Participation:** Directors, Prod. Support

### Quality Assurance CMTE

**Chair:** Bill Sibilia, Raytheon  
**Vice Chair:** John Blankensop, Kaman  
**Focus:** Quality Assurance Processes and Policy  
**Participation:** Quality VPs & Directors

### National Aerospace Standard CMTE

**Chair:** Ron Fielding, Boeing  
**Vice Chair:** Doug Carlton, Click Bond  
**Focus:** Development and maintenance of AIA NAS Part Standards  
**Participation:** Fastener Experts

### Business Technology Interoperability CMTE

**Co-Chairs:** Howard Mason, BAE Systems  
Ash Padwal, Allied Telesis  
**Focus:** Streamlining Business Process through Standardization  
**Participation:** Director, e-business

### Standards Governance Board

**Chair:** Brad Sumner, Rolls-Royce  
**Vice Chair:** Howard Mason, BAE Systems  
**Focus:** AIA Standards Development Processes  
**Participation:** Standards Managers



## Aerospace & Defense Investment

- Advocate for technology investment and government funding that support shared pre-competitive research and support innovation, and technical capabilities throughout the supply chain and the product life-cycle

## Industry-Government Engagement

- Advocate for technology investment and government funding that support shared pre-competitive research and support innovation, and technical capabilities throughout the supply chain and the product life-cycle

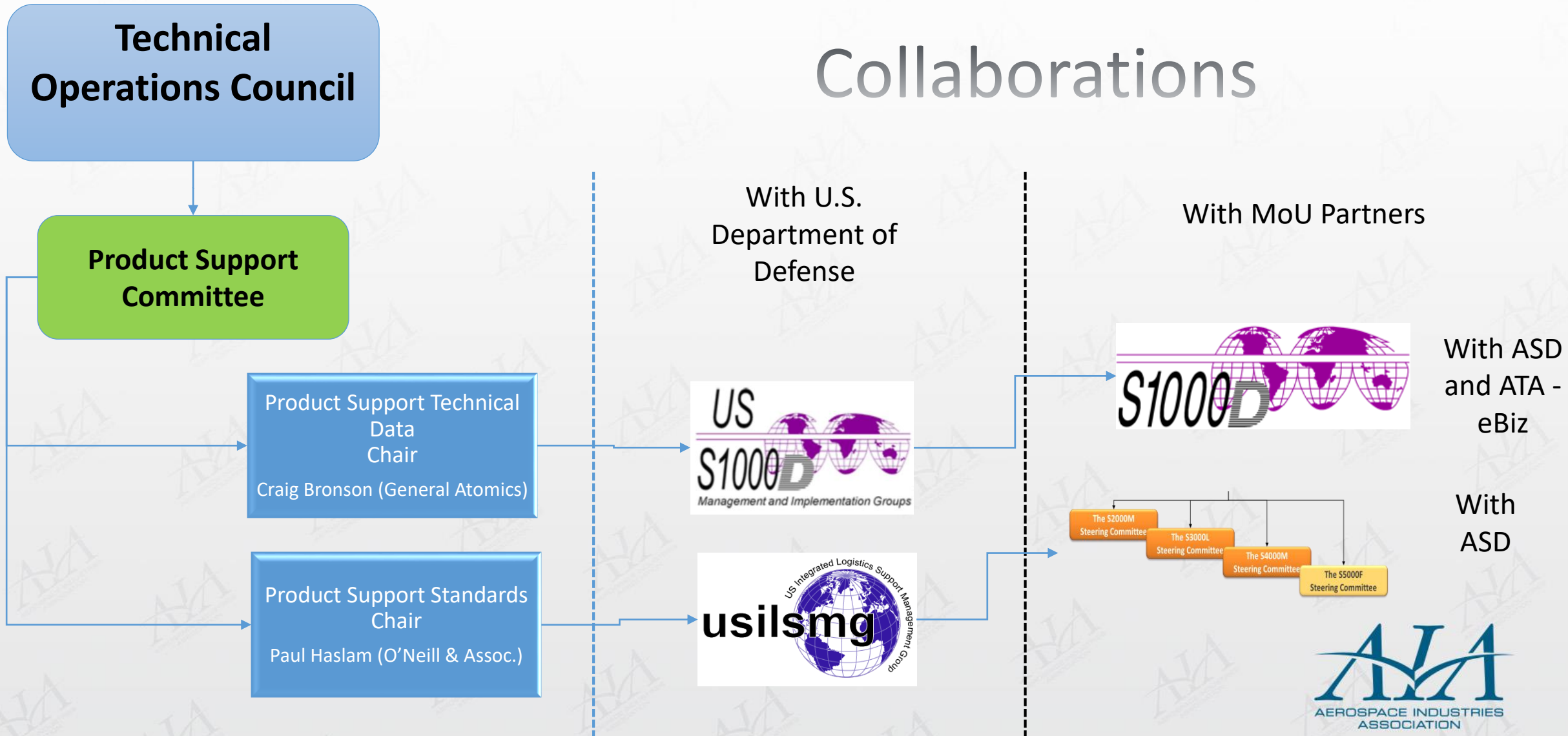
## Global Competitiveness

- Secure collective industry-wide agreements including customers and suppliers for the adoption of common approaches to shared business issues

## Innovation & 21<sup>st</sup> Century Workforce

- Support digital transformation of the ecosystem through model-based development practices and standards and other innovations
- Growing sustainable/capable/eligible industrial base talent (Engineers/Programmers/Machinists)
- Promote the development and adoption of consensus-based standards and policies that drive industry best practices and member value

# Collaborations

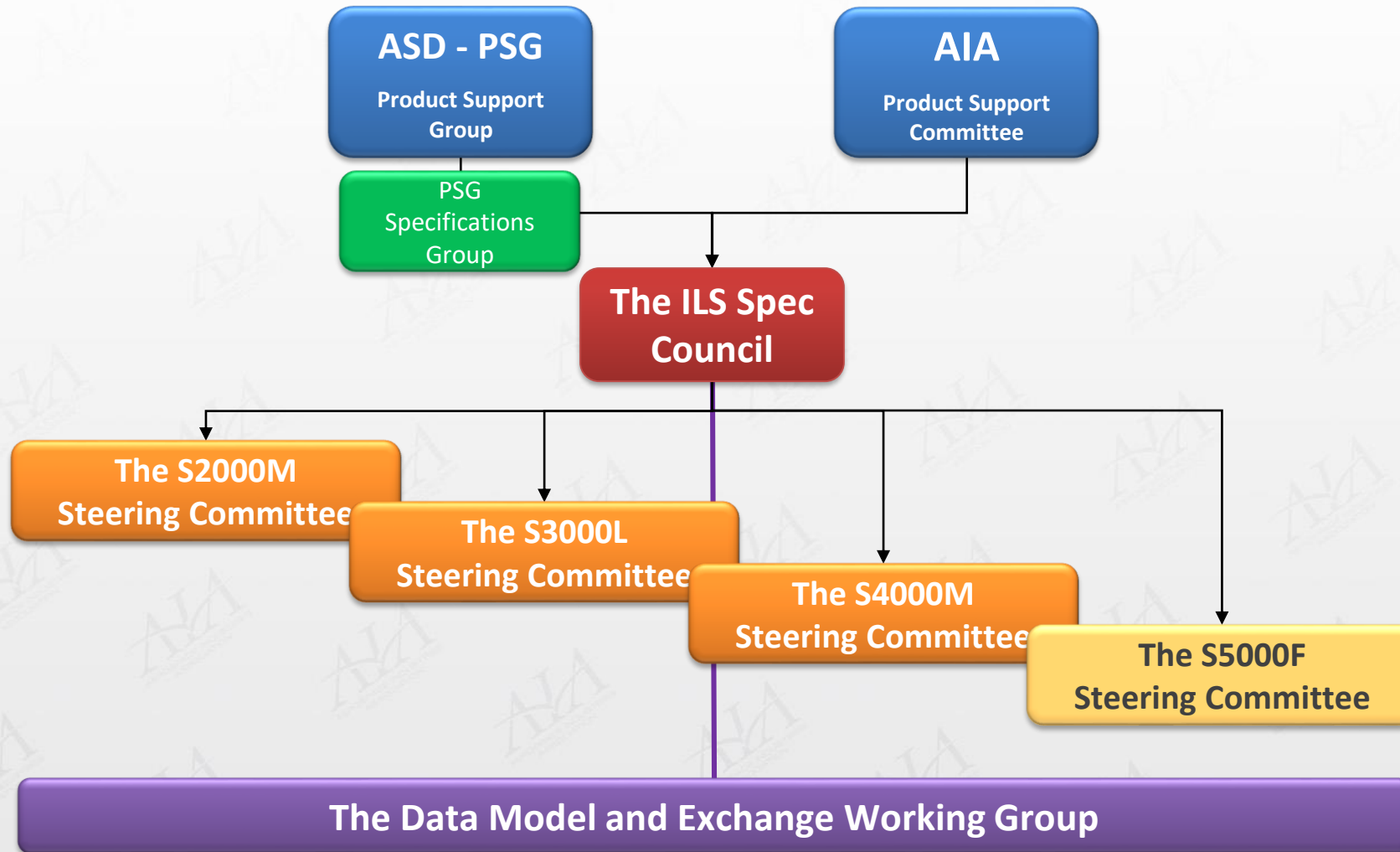




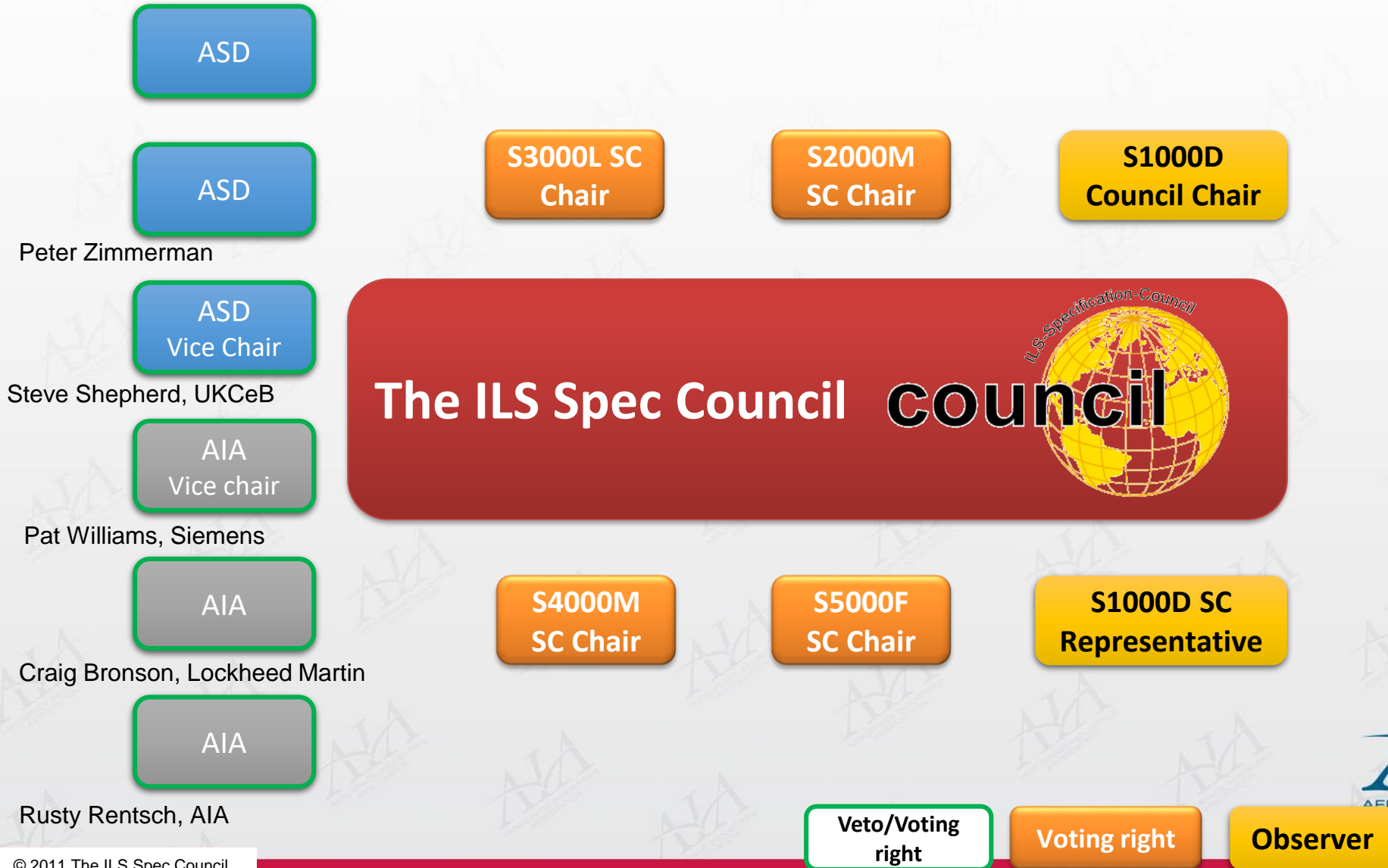
[aia-aerospace.org](http://aia-aerospace.org)

# Backup

# Organizational structure



# The ILS Spec Council



# The S3000L Steering Committee



ASD  
Chair

AIA  
Vice chair

AIA  
Secretary

The S3000L Steering committee **SC**

The logo for the S3000L-Steering Committee, featuring a globe with a grid overlay. The text "S3000L-Steering Committee" is written in a curved path above the globe. To the left of the globe are the letters "SC" in a large, bold, black font.



Members  
2 reps/nation

Observers  
2 reps/nation



# Organizational structure





# PLCS - Data Exchange Specifications - DEX



- A DEX is a way of dividing up the PLCS information model into sections suited for a particular business process
- A DEX provides a subset of the PLCS information model and usage guidance
- A DEX can be used to contract against or for setting conformance