AIA Update

2018 S1000D User Forum

September 11, 2018

Rusty Rentsch
Vice President Technical Operations and Standards
Rusty.Rentsch@aia-aerospace.org
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 & 21st 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 & 21st 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-degreed
### Technical Operation and Standards – Councils, Committees

#### 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

#### 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

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

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

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

#### 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

#### Standards Governance Board
- **Chair**: Brad Sumner, Rolls-Royce
- **Vice Chair**: Howard Mason, BAE Systems
- **Focus**: AIA Standards Development Processes
- **Participation**: Standards Managers
Technical Operation view on AIA Strategic Focus

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 & 21st 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

Technical Operations Council

Product Support Committee

Product Support Technical Data Chair
Craig Bronson (General Atomics)

Product Support Standards Chair
Paul Haslam (O’Neill & Assoc.)

With U.S. Department of Defense

With MoU Partners

With ASD and ATA - eBiz
With ASD
Backup
Organizational structure

ASD - PSG
Product Support Group

AIA
Product Support Committee

PSG Specifications Group

The ILS Spec Council

The S2000M Steering Committee

The S3000L Steering Committee

The S4000M Steering Committee

The S5000F Steering Committee

The Data Model and Exchange Working Group

The S3000L Steering Committee

The S4000M Steering Committee

The S5000F Steering Committee

© 2011 The ILS Spec Council
The ILS Spec Council

ASD
Peter Zimmerman

ASD
Vice Chair
Steve Shepherd, UKCeB

AIA
Vice Chair
Pat Williams, Siemens

AIA
Craig Bronson, Lockheed Martin

AIA
Rusty Rentsch, AIA

S3000L SC Chair
S2000M SC Chair
S1000D Council Chair
S4000M SC Chair
S5000F SC Chair
S1000D SC Representative

© 2011 The ILS Spec Council
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