

# Architecture Committee Report

## December 6, 2017

Bob Scheurer, Chair  
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Ed Moshinsky, Co-Chair  
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- **Currently 34 Members – Cross-Section of Industry & Govt.**
  - Incl. DoD Sponsor: Philomena (Phil) Zimmerman
- **Meeting Bi-Weekly: 18 Meetings in 2017 to Date**
- **2017 Focus Area: Modular Open Systems Approach (MOSA)**
- **2017 NDIA SE Conf.: 10 Presentations**
  - Presentation by Ed Moshinsky: *“Challenges to Implementing MOSA for Major DoD Acquisition Programs”*
  - Mini-Panel/Debate w/Laura Hart Moderating; Tom McDermott & Claudia Rose Panelists: *“If Architectures are So Useful, Why Don’t We Use Them More?”*
- **Next Meeting: Dec. 13, 2017, 3:00-4:30 p.m. EST**

# Architecture Committee Current Membership



Adrienne A Rivera  
Alan Brenner  
Bruce J Brown (IS)  
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Krishna Vemuru  
Laura E. Hart  
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Nielsen-Jr, Brian D  
Palmer, John R  
Peter Grim  
Philomena Zimmerman  
Robert (Bob) Scheurer  
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# MOSA White Paper Sections

- 1. Objectives of MOSA**
- 2. Additional Benefits**
- 3. Design-Level Considerations**
- 4. Modularity – the Technical Aspects of MOSA**
- 5. Openness – the Business Aspects of MOSA**
- 6. Managing a MOSA Environment**
- 7. Architecting for Modularity**
- 8. Acquisition Lifecycle (Acquirer) vs. Technical Lifecycle (Contractor/ Supplier)**
- 9. Perspectives & Goals**
- 10. Government Ownership of the Technical Baseline (OTB)**
- 11. Positions – standards for interface definitions**
- 12. Examples of Existing MOSA Implementations**
- 13. Recommendations by NDIA Architecture Committee**
- 14. Appendices – MOSA history, Key Standards**

# Plans Going in to 2018

- **MOSA**
  - Continued focus to prepare for ACAT I rollout
  - Finish White Paper
- **Architecture Standards Review/ Comment for ISO/IEC**
  - 42010 (Revision) - Arch Description
  - 42020 - Arch Process
  - 42030 - Arch Evaluation
- **Role of Architecture(s) in Mission Engineering**
- **MBSE & Architecture Frameworks (UAF etc.)**
- **Grand Taxonomy of the SoS Levels**
  - Where do SoS Engineering, Mission Engineering, etc. apply to each of the levels in the Grand Taxonomy?
  - Tying to existing taxonomies in DoD and industry
  - Upper, middle, and lower level ontologies