

# **Architecture Committee Report**

## **Feb. 28, 2018**

**Bob Scheurer, Chair**

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**Ed Moshinsky, Co-Chair**

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- **Currently 43 Members – Cross-Section of Industry & Govt.**
  - Incl. DoD Sponsor: Philomena (Phil) Zimmerman
- **Meetings Bi-Weekly**
- **2018 Focus Area: Modular Open Systems Approach (MOSA) White Paper Completion**
- **Join SoS Committee on *Opportunities for Industry in Mission Engineering***
- **Next Regular Meeting: Mar. 7, 2018, 3:00-4:30 p.m. EST**

# Architecture Committee Current Membership



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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**

- **MOSA**
  - Continued focus to prepare for ACAT I rollout
  - Finish White Paper w/Recommendations
- **Role of Architecture(s) in Mission Engineering (Support to SoS Committee)**
- **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
- **Answer the “So What” Question in All Products**