



DoD Systems Engineering Update

Ms. Kristen Baldwin

**Acting Deputy Assistant Secretary of Defense
for Systems Engineering (DASD(SE))**

**NDIA Systems Engineering Division Strategic Planning Meeting
April 20, 2016**



DASD Systems Engineering Organization



**Acting Deputy Assistant Secretary of Defense
and Principal Deputy, Systems Engineering**
Kristen Baldwin

**Homeland Defense
Capability
Development**
Robin Hicks



Major Program Support
James Thompson

*Supporting USD(AT&L) Decisions with
Independent Engineering Expertise*

- Engineering Assessment / Mentoring of Major Defense Programs
- Program Support Assessments
- Overarching Integrated Product Team and Defense Acquisition Board Support
- Systems Engineering Plans
- Systemic Root Cause Analysis
- Development Planning/Early SE
- Program Protection



Engineering Enterprise
Robert Gold

*Leading Systems Engineering Practice
in DoD and Industry*

- Systems Engineering Policy and Guidance
- Technical Workforce Development
- Specialty Engineering (System Safety, Reliability and Maintainability, Quality, Manufacturing, Producibility, Human Systems Integration)
- Security, Anti-Tamper, Counterfeit Prevention
- Standardization
- Engineering Tools and Environments

**Providing technical support and systems engineering leadership and oversight to
USD(AT&L) in support of planned and ongoing acquisition programs**



DASD(SE) News and Updates



- **Published article “Defense System Complexity: Engineering Challenges and Opportunities” in The ITEA Journal of Test and Evaluation, March 2016, Vol 37, # 1**
 - Authored by Kristen Baldwin, Acting DASD(SE) and Scott Lucero, Deputy Director, Strategic Initiatives
- **Marine Corps – Females in Technology Symposium (MC-FIT 2016)**
 - April 13 in Ft Belvoir, VA
 - Ms. Kristen Baldwin was keynote speaker
- **USA Science and Engineering Festival**
 - April 16 in Washington, DC
 - Rob Gold and Aileen Sedmak presented demonstrations
- **Kicked off Mission Engineering Roundtables**
 - Series culminates a synthesis of common approaches, challenges, and recommendations as well as sharing experiences with ME activities and efforts within the acquisition community
- **Col Luke Cropsey promotion**
 - Promoted to Senior Materiel Leader, Direct Attack PGM, Direct Attack Division
 - Transferring to Eglin Air Force Base, Florida



DASD(SE) Update Topics



- **Cybersecurity in Acquisition**
- **Modular Open Systems Approach (MOSA)**
- **Mission Engineering**
- **Long Term Trusted Microelectronics Strategy**