



DoD Systems Engineering Update

Stephen P. Welby

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

**NDIA Systems Engineering Division Meeting
February 12, 2014**



DASD, Systems Engineering Mission



Systems Engineering role in DoD Acquisition:

- Support and advocate for DoD Component engineering initiatives
- Help program managers identify and mitigate risks
- Shape DoD technical planning and management
- Provide technical insight to OSD stakeholders
- Identify systemic issues for resolution above the program level

DASD(SE) Mission: Develop and grow the Systems Engineering capability of the Department of Defense – through engineering policy, continuous engagement with component Systems Engineering organizations and through substantive technical engagement throughout the acquisition life cycle with major and selected acquisition programs.

- ***US Department of Defense is the World's Largest Engineering Organization***
- ***Over 99,000 Uniformed and Civilian Engineers***
- ***Over 39,000 in the Engineering (ENG) Acquisition Workforce***

A Robust Systems Engineering Capability Across the Department Requires Attention to Policy, People and Practice



DASD, Systems Engineering



DASD, Systems Engineering
Stephen Welby
Principal Deputy Kristen Baldwin



Systems Analysis
Kristen Baldwin (Acting)

Addressing Emerging Challenges on the Frontiers of Systems Engineering

Analysis of Complex Systems/Systems of Systems

Program Protection/Acquisition Cyber Security

University, FFRDC and Industry Engineering and Research

Modeling and Simulation



Major Program Support
James Thompson

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

Engineering Assessment / Mentoring of Major Defense Programs

Program Support Reviews

OIPT / DAB / ITAB Support

Systems Engineering Plans

Systemic Root Cause Analysis

Mission Assurance
Vacant

Leading Systems Engineering Practice in DoD and Industry

Systems Engineering Policy & Guidance

Development Planning/Early SE

Specialty Engineering (System Safety, Reliability and Maintainability Engineering, Quality, Manufacturing, Producibility, Human Systems Integration)

Counterfeit Prevention

Technical Workforce Development

Standardization

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



Systems Engineering Research Center



- | | | |
|---|---|---|
| 1 Stevens Institute of Technology | 9 Missouri University of Science and Technology | 16 Texas Tech University |
| 2 University of Southern California | 10 Naval Postgraduate School | 17 University of Alabama in Huntsville |
| 3 Air Force Institute of Technology | 11 North Carolina Agricultural & Technical State University | 18 University of California - San Diego |
| 4 Auburn University | 12 Pennsylvania State University | 19 University of Maryland |
| 5 Carnegie Mellon University | 13 Purdue University | 20 University of Massachusetts Amherst |
| 6 Georgetown University | 14 Southern Methodist University | 21 University of Virginia |
| 7 Georgia Institute of Technology | 15 Texas A&M University | 22 Wayne State University |
| 8 Massachusetts Institute of Technology | | |

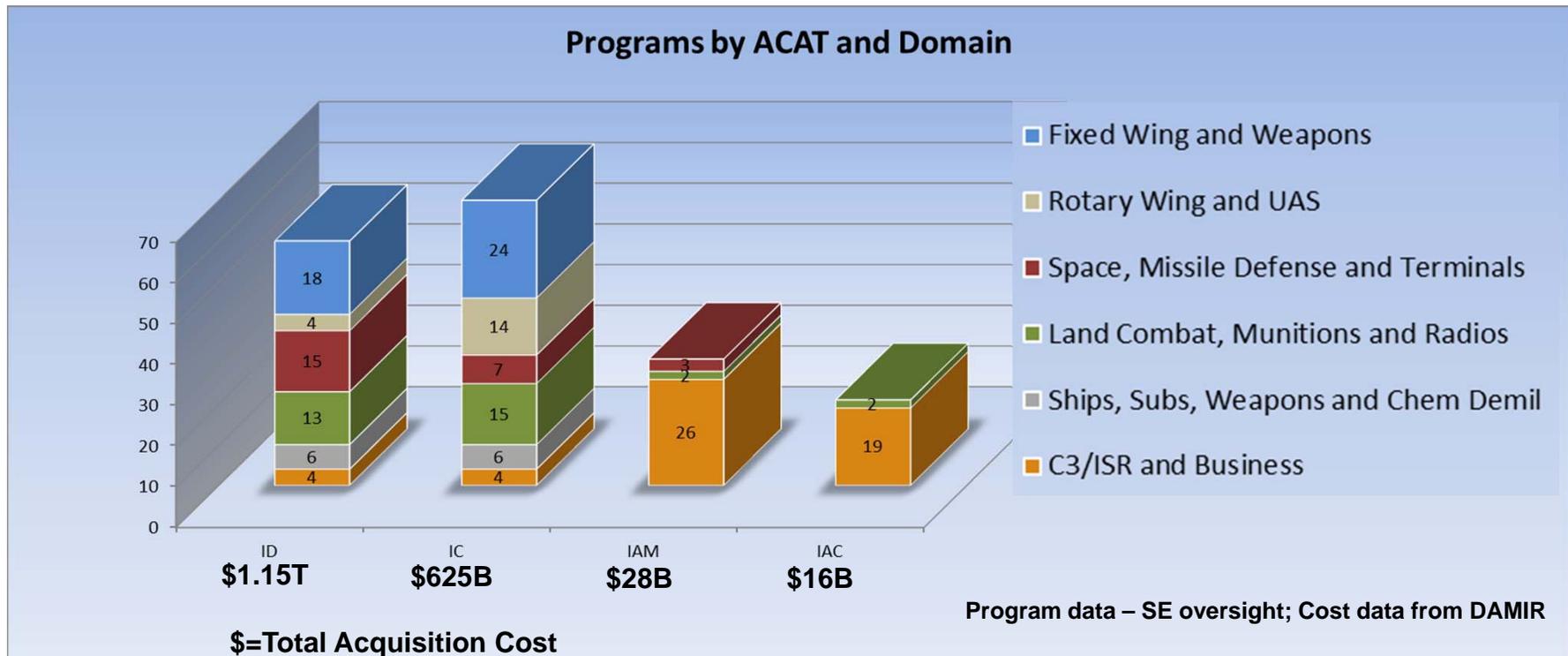
SERC leverages expertise of over 400 researchers across the nation



DASD(SE) Portfolio



- Perform system engineering oversight of **182 programs** with acquisition costs of **\$1.8T**





Program Engagement

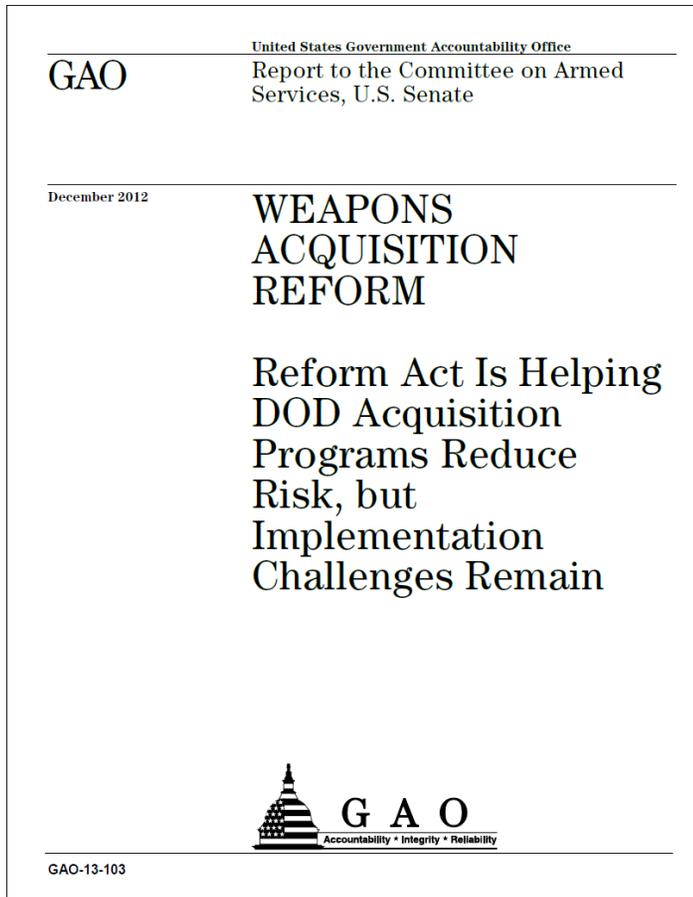


- **Engineering Assessment / Mentoring of Major Defense Programs**
- **Technical Reviews – PDR and CDR**
- **AT&L Decision Forums**
- **Systems Engineering Plans**
- **Systemic Root Cause Analysis**
- **Support Acquisition Leadership with Independent Engineering Analysis and Advice**

Our Focus: Supporting Knowledge-Based Decision Making



GAO Report 13-103 Findings DASD(SE) Performance



- Completed the development of systems engineering and development planning policy, guidance and performance measures
- Regularly completing MDAP document review and approval and program monitoring and assessments
- Led working group efforts to support Service initiatives to address systemic reliability issues in UAS and rotary wing portfolios
- Led workforce development initiatives to attract and retain a qualified SE workforce and support KLP implementation
- Positively impacted the requirements development and technical and reliability planning for:
 - Joint Lightweight Tactical Vehicle
 - Ground Combat Vehicle
 - Joint Strike Fighter
 - Remote Mine-hunting System
 - Gray Eagle and Global Hawk



FY13 Activities



Top Level FY13 DASD(SE) Goals



- **Continued excellence in SE support to programs and acquisition decisions**
- **Improved consistent PPP engagement with programs resulting in successful vulnerability mitigation strategies**
- **Advocated for and ensure SE workforce capacity and capability**
- **Provided depth to acquisition policy and processes with SE guidance, practices, and continuous learning opportunities**
- **Advanced the state of engineering to meet challenges and enable DoD goals**
- **Maintained quality of technical insight in resource constrained environment**



FY13 Major Program Support Activity

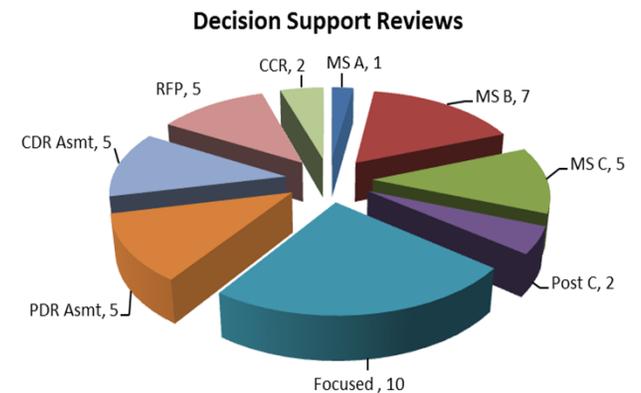
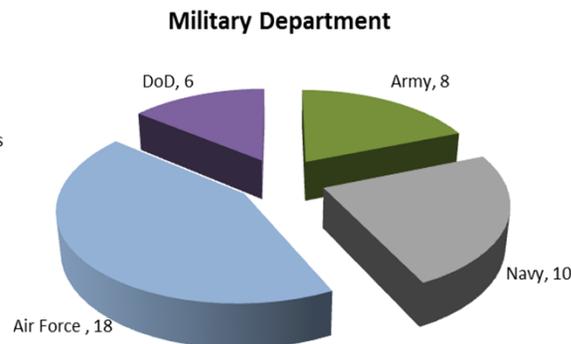
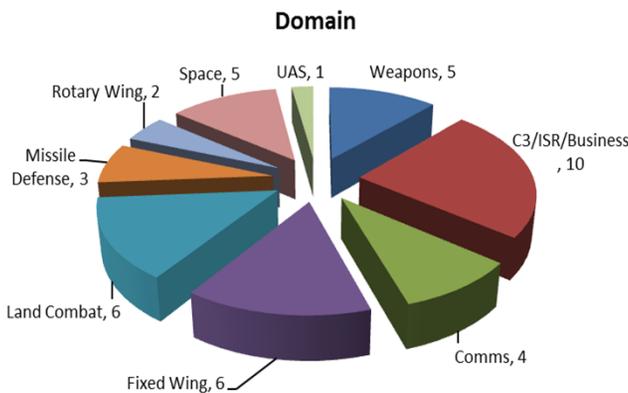


FY 2013 SEP Review and Approval Activity

Major Programs	Program SEPs Reviewed			Program SEPs Approved		
	MDAP	MAIS	Total	MDAP	MAIS	Total
Supporting MS A	5	0	5	2	0	2
Supporting MS B	8	7	15	3	2	5
Supporting MS C	7	3	10	1	2	3
Other (FDD, FRP, ADM Action, etc.)	5	1	6	2	1	3
Total	25	11	36	8	5	13

FY 2013 DASD(SE) Program Engagement Summary

Major Program	PSRs	NM/CCR	Focused Reviews	PDR Assessment	CDR Assessment	DPAP RFP Peer Reviews	TOTAL
MDAP/Pre-MDAP	15		6	3	5	4	33
MAIS/MDA		2	4	2		1	9
Total	15	2	10	5	5	5	42





Deputy Secretary of Defense Memorandum, “Defense Acquisition”



- **The Interim DoDI 5000.02 is effective immediately**
- **DoDI 5000.02, dated December 8, 2008, is cancelled EXCEPT for Enclosure 9, Acquisition of Services**
- **Revised DoDI 5000.02 to be prepared within 180 days**
- **New Acquisition of Services Instruction to be drafted in the same time period**

 **DEPUTY SECRETARY OF DEFENSE**
1010 DEFENSE PENTAGON
WASHINGTON, DC 20301-1010

NOV 26 2013

MEMORANDUM FOR SECRETARIES OF THE MILITARY DEPARTMENTS
CHAIRMAN OF THE JOINT CHIEFS OF STAFF
UNDER SECRETARIES OF DEFENSE
DEPUTY CHIEF MANAGEMENT OFFICER
DIRECTOR, COST ASSESSMENT AND PROGRAM EVALUATION
DIRECTOR, OPERATIONAL TEST AND EVALUATION
GENERAL COUNSEL OF THE DEPARTMENT OF DEFENSE
INSPECTOR GENERAL OF THE DEPARTMENT OF DEFENSE
ASSISTANT SECRETARIES OF DEFENSE
DEPARTMENT OF DEFENSE CHIEF INFORMATION OFFICER
ASSISTANTS TO THE SECRETARY OF DEFENSE
DIRECTOR, ADMINISTRATION AND MANAGEMENT
DIRECTOR, NET ASSESSMENT
DIRECTORS OF THE DEFENSE AGENCIES
DIRECTORS OF THE DOD FIELD ACTIVITIES

SUBJECT: Defense Acquisition

I have determined that the current DoD Instruction (DoDI) 5000.02, “Operation of the Defense Acquisition System,” December 8, 2008, requires revision to create an acquisition policy environment that will achieve greater efficiency and productivity in defense spending and effectively implement the department’s Better Buying Power (BBP) initiatives. Therefore, I am canceling this issuance with the exception of Enclosure 9, Acquisition of Services, and replacing it with the attached interim policy effective immediately.

I am directing the Under Secretary of Defense for Acquisition, Technology, and Logistics (USD(AT&L)), with the Department of Defense Chief Information Officer and the Director, Operational Test and Evaluation, to jointly prepare a revised DoDI 5000.02 within 180 days. The USD(AT&L) will draft a new instruction to address acquisition of services in the same time period.



Attachment:
As stated

Signed November 26, 2013



Statute & Policy Driving the Update



POLICY

USD(AT&L) Memos

- Better Buying Power 1 & 2
- Designation of Subprograms for MDAPs
- EVM Systems Performance, Oversight, and Governance
- Government Performance of Critical Acquisition Functions
- Preservation and Storage of Tooling for MDAPs
- Reporting Requirements for Programs Qualifying as Both MAIS & MDAP
- Should-cost Memos
- Strengthened Sustainment Governance
- Improving Technology Readiness Assessment Effectiveness

PDUSD(AT&L) Memos

- Improving Milestone Process Effectiveness
- Post-CDR Reports and Assessments
- **Milestone Decision Documentation Outlines**

Other Memos

- Guidelines for Operational Test and Evaluation of Information and Business Systems
- **DoD CIO Policy for CCA Confirmations**

DIRECTIVE TYPE MEMOS

- DTM 09-027: Implementation of WSARA 2009
- DTM 09-025: Space Systems Acquisition Policy**
- DTM 09-016: Supply Chain Risk Management (SCRM) to Improve the Integrity of Components Used in DoD Systems**
- DTM 10-015: Requirements for Life Cycle Management and Product Support
- DTM 10-017: Development Planning
- DTM 11-003: Reliability Analysis, Planning, Tracking, and Reporting
- DTM 11-009: Acquisition Policy for Defense Business Systems



DoDI 5000.02

STATUTE

Title 10

- §2334: Independent cost estimation and analysis
- §2366: Major systems and munitions programs: survivability and lethality testing required before full scale production
- §2445c: MAIS Programs

NDAA

- §332 of FY09: Fuel Logistics Requirements
- §805 of FY10: Life-Cycle Management and Product Support**
- §803 of FY11: Enhancing ... Rapid Acquisition
- §804 of FY11: ... Acquisition Process for Rapid Fielding of Capabilities in Response to Urgent Operation Needs
- §811 of FY11: Cost Estimates for MDAP and MAIS
- §812 of FY11: Management of Manufacturing Risk
- §932 of FY11: Computer Software Assurance**
- §831 of FY11: [Waiver of Nunn-McCurdy for a Change in Quantity]**
- §811 of FY12: Calculation Of Time Period [for MAIS] Critical Changes...
- §801 of FY12: Core Depot-level Maintenance and Repair Capabilities**
- §832 of FY12: Assessment, Management, and Control of Operating and Support Costs for Major Weapon Systems**
- §834 of FY12: Management of Manufacturing Risk in MDAPs**
- §901 of FY12: Revision of DBS Requirements
- §811 of FY13: Limitation on use of cost-type contracts**
- §812 of FY13: Estimates of Potential Termination Liability ...**
- §904 of FY13: Additional Responsibilities (T&E)**

ADDITIONAL CONSIDERATIONS

- JCIDS Reissuance
- New Emphasis on Cybersecurity
- **New Emphasis on Intellectual Property (IP) Strategy**
- FY10 NDA, Sec. 804: Agile IT Development



Interim DoDI 5000.02 Structure



- **Core Instruction - Operation of the Defense Acquisition System**
- **13 Enclosures**
 1. Acquisition Program Categories and Compliance Requirements
 2. Program Management
 3. **Systems Engineering**
 4. Developmental Test and Evaluation (DT&E)
 5. Operational and Live Fire Test and Evaluation
 6. Life-Cycle Sustainment Planning
 7. Human Systems Integration (HSI)
 8. Affordability Analysis and Investment Constraints
 9. Analysis of Alternatives
 10. Cost Estimating and Reporting
 11. Requirements Applicable to All Programs Containing Information Technology (IT)
 12. Defense Business Systems (DBS)
 13. Rapid Acquisition of Urgent Needs



Interim DoDI 5000.02 versus 2008 Systems Engineering Enclosure



Enclosure 3 (Interim DoDI 5000.02) Systems Engineering

1. Purpose
2. Systems Engineering Plan
3. Development Planning
4. Systems Engineering Trade-Off Analyses
5. Technical Risk and Opportunity Management
6. Technical Performance Measures and Metrics
7. Technical Reviews
8. Configuration Management
9. Modeling and Simulation
10. Manufacturing and Producibility
11. Software
12. Reliability and Maintainability
13. Program Protection
14. Open Systems Architecture
15. Corrosion Prevention and Control
16. Environment, Safety, and Occupational Health (ESOH)
17. Insensitive Munitions
18. Item Unique Identification
19. Spectrum Supportability
20. Design Reviews
21. Program Support Assessments

Red = New
Blue = Revised

Enclosure 12 (2008) Systems Engineering

1. Systems Engineering Across the Acquisition Life Cycle
2. Systems Engineering Plan
3. Systems Engineering Leadership
4. Technical Reviews
5. Configuration Management
6. Environment, Safety, and Occupational Health (ESOH)
7. Corrosion Prevention and Control
8. Modular Open Systems Approach (MOSA)
9. Data Management and Technical Data Rights
10. IUID
11. Spectrum Supportability



Defense Acquisition Guidebook (DAG) Chapter 4 Systems Engineering Update



- **Improve guidance to fully reflect current policy and DASD(SE) initiatives:**
 - Joint Capabilities Integration and Development System (JCIDS) (Chairman of the Joint Chiefs of Staff Instruction (CJCSI) 3170.01H)
 - Process changes as a result of Better Buying Power
 - Systemic root cause analyses findings
 - Department-wide best practice; avoiding Service and domain-specific implementations
- **Improve currency, consistency, usability, and readability—less theory, more utility**
- **Emphasize the role of Systems Engineering in providing balanced solutions (managing cost, schedule and risk) that deliver needed capability to the war fighter**
- **Make Chapter 4 an effective tool for the Program Manager and the Systems Engineering Practitioner**

<https://acc.dau.mil/dag4>



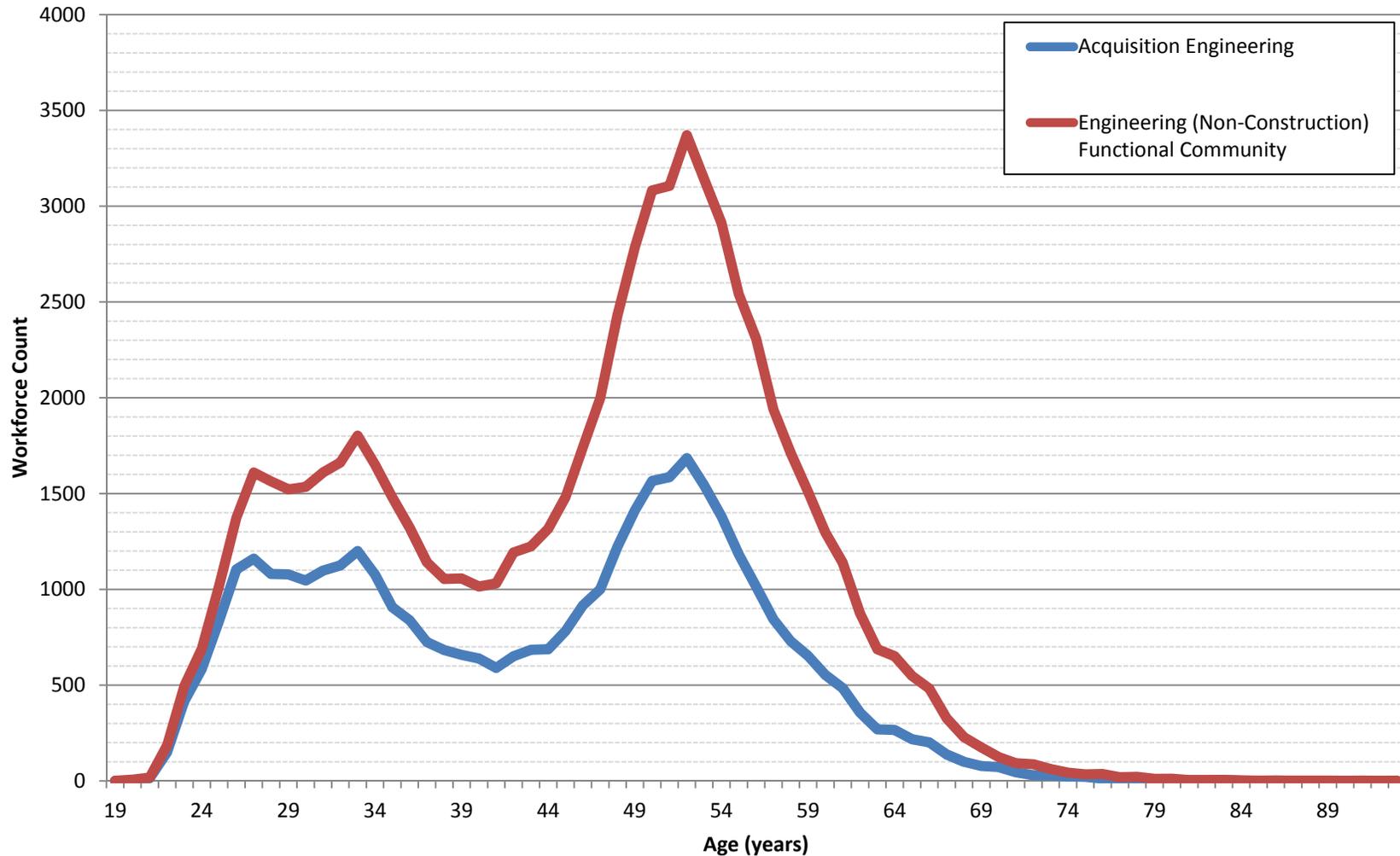
Current ACQ Workforce Initiatives



- **Development of guides, tools, and competency models to support Acquisition Workforce Members**
 - Engineering Career Field Competency Models: used to redesign the career field curriculum in FY14 (revising SYS 101, SYS 202, SYS 203, and SYS 302 courses)
 - Process Guides and Competency Models for Engineering Specialties: R&M, Manufacturing, and Program Protection Planning
- **Chief Engineer/Lead Systems Engineer Key Leadership Position Qualification Board Pilot**
- **Acquisition Engineering Workforce Strategic Planning**
- **'SPRDE-SE' Career Path revised to 'Engineering' Career Field in FY14; PSE Career Path phased out in FY13**



Acquisition Engineering vs. Engineering (Non-Construction) Functional Community Age Demographics



Acq. ENG Source: AT&L Defense Acquisition Workforce Data Mart, 30 Sep 13
ENG(NC) Source: Defense Civilian Personnel Data System (DCPDS), 30 Sep 13



Systems Engineering Workforce in the DoD Reported by Military Department Systems Engineers and DASD(SE)



Total Number of Civilian and Military Acquisition-ENG Personnel									
Fiscal Year	Year Ending	US Army		US Navy		US Air Force ¹		DASD(SE)	
FY05	30-Sep-05	11,138		16,886		6,505		13	
FY06	30-Sep-06	11,964		16,688		6,237		14	
FY07	30-Sep-07	11,050		16,804		6,162		13	
FY08	30-Sep-08	10,769		16,576		6,429		14	
FY09	30-Sep-09	10,208		18,085		7,197		13	
FY10	30-Sep-10	10,647		19,270		7,625		14	
FY11	30-Sep-11	10,071		19,325		8,514		23	
FY12	30-Sep-12	9,812		19,498		8,649		23	
FY13	30-Sep-13	9,374		19,589 ²		8,474		22	
		Planned Growth	Projected End Strength	Planned Growth	Projected End Strength ³	Planned Growth	Projected End Strength	Planned Growth	Projected End Strength
FY14	30-Sep-14	22	9,396	6	20,290	-74	8,400	0	20
FY15	30-Sep-15	21	9,417	106	20,396	-22	8,378	0	20
FY16	30-Sep-16	0	9,417	6	20,402	-23	8,355	0	20
FY17	30-Sep-17	0	9,417	-9	20,393	-13	8,342	0	20
FY18	30-Sep-18	0	9,417	-136	20,257	-10	8,332	0	20

¹Source: USD AT&L DataMart Q4 FY12.

²DON FY 2013 personnel on-board as of 9/30/2013. Source: DACM MIS.

³DON Projected E/S based on SE Workforce Requirements (per PB-14, PB-13, Exhibit)



PPP Outline and Guidance

- **PPP Policy Memorandum**

- ***“Every acquisition program shall submit a PPP for Milestone Decision Authority review and approval at Milestone A and shall update the PPP at each subsequent milestone and the Full-Rate Production decision.”***
- Existing acquisition Information Assurance Strategy is **Appendix to PPP**
- Expected business practice, effective immediately, and reflected in upcoming DoDI 5000.02 and DAG updates



**Signed by
Principal Deputy,
USD(AT&L) on
July 18, 2011**

- **PPP Outline and Guidance**

- Plans for identifying and managing risk to CPI and critical functions and components
- Responsibilities for execution of comprehensive program protection
- Tables of actionable data, not paragraphs of boilerplate
- End-to-end system analysis and risk management
- Similar approach as TDS/AS and SEP Outline and Guidance

The PPP is the Single Focal Point for All Security Activities on the Program



FY13 Program Protection Engagement and Support Summary



Programs Supported in FY13

- 3DELRR, Pre-EMD/MS B
- AOC-WS, MS B
- AF-IPPS, MS B
- AMDR, MS B
- AMPV, Pre-EMD/MS B
- Army IAMD, MS C
- BAMS, MS C
- B-2 DMS, Pre-EMD/MS B
- B-61 TKA, MS B
- CANES, MS C/FDD
- CH-53K, MS C
- CIRCM, Pre-EMD/MS B
- CRH, MS B
- CVN-78, MS C
- DAI, MS B
- DCGS-A, FDD
- DEAMS, MS B
- E-2D, FRP
- EELV, MS C
- EPS CAPS, MS B
- F-22 Incr 3.2b, MS B
- F-35, MS C
- FAB-T, MS C
- GCSS-A, FDD
- GCSS-MC, FDD
- GCV, Pre-EMD/MS B
- Global Hawk, MS C
- GPS III, FPD
- iEHR
- IFPC Incr 2, MS A
- IPPS-A, MS C
- ISPAN Incr 4, MS B
- ITEP, MS A
- JASSM-ER, FRP
- JHSV, MS C
- JMS Incr 1, MS C
- JMS Incr 2, MS B
- JPALS Incr 1A, MS C
- JPALS Incr 1B MS B
- JPALS Incr 2, MS B
- KC-46A, MS C
- KMI, FDD
- LCS MM, MS B
- LCS Seaframes, MS C
- LMP Incr 2, MS B

- MGUE, MS A/Pre-EMD
- MNVR, MS C
- MQ-1C Gray Eagle, FRP
- MQ-4C Triton, MS C
- NGEN, MS C
- NGJ, MS A
- OASuW, MS A/B
- OCX, MS B
- P-8A Incr 1, FRP
- P-8A, Incr 3, MS A
- PAC-3 MSE, MS C
- PIM, MS C
- PKI, FDD
- SBIRS, FRP
- SDBII, MS C
- Space Fence, MS B
- SM-6, FRP
- TAO(X), MS A
- TMIP-J, FDD
- UCLASS, MS A
- VXX, Pre-EMD/MS B
- WIN-T Incr 2, FRP
- WSF, MS A

PPPs Approved in FY13

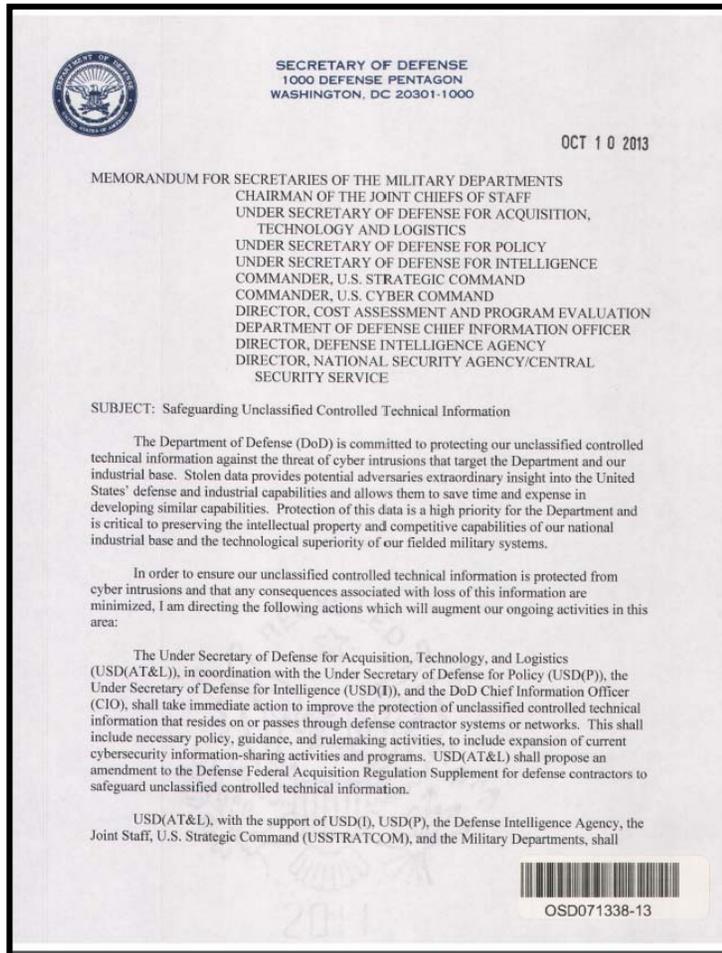
- AMDR, MS B
- B-61, LEP TKA, MS B (not counted)
- CANES, MS C
- DCGS-A, FDD
- E-2D, FRP
- EELV, MS C
- F-22, MS B
- GCSS-A, FDD
- Gray Eagle, FRP
- JMS Inc 2, MS B
- JTRS MIDS, FRP
- KMI, FRP
- MQ-9 Reaper, MS C
- NGEN, MS C
- NGJ, MS A
- PIM, MS C
- SBIRS, FRP
- Space Fence, MS B
- WIN-T Incr 2, FRP

Count = 68

Count = 18



Safeguarding Unclassified Controlled Technical Information Memo



- **Secretary of Defense Memorandum, October 10, 2013**
 - Emphasizes DoD commitment to preserving the intellectual property (IP) and competitive capabilities of the Defense Industrial Base (DIB) and the technological superiority of our fielded military systems.
- **Key Goals**
 - Protect DoD unclassified controlled technical information from cyber intrusions
 - Minimize the consequences associated with loss of this information
- **Augments current activities**
 - Including the DIB Cyber Security/Information Assurance (CS/IA) Program



DFARS Clause 252.204-7012: Safeguarding Unclassified Controlled Technical Information



- **Rule Published November 18, 2013**
 - Clause affects all new contracts that contain, or will contain unclassified controlled technical information
- **Purpose: Establish minimum requirements for DoD unclassified controlled technical information on contractor information systems**
 - Requires contractors implement minimum set of information security controls
 - Requires contractors report cyber incident and compromises
 - Requires contractor actions to support DoD damage assessment
- **Minimum Security Controls**
 - Set of 51 information security controls from NIST SP 800-53, Revision 4
 - Combination of Technical, Process, Awareness & Training measures
- **Incident Reporting**
 - Reporting includes:
 - DoD contracts and subcontractor information affected by a cyber incident or compromise
 - DoD programs, platforms, or systems involved
 - Description of DoD technical information compromised
 - Reported information does not include attack signatures or other threat actor indicators
- **Clause includes flow down in all subcontracts**

http://www.acq.osd.mil/dpap/dars/dfars/html/current/204_73.htm



SE Annual Report to Congress



DEPARTMENT OF DEFENSE
Systems Engineering
FY 2013 Annual Report



MARCH 2014

Deputy Assistant Secretary of Defense for
Systems Engineering
Washington, D.C.

The estimated cost of report or study for the Department of Defense is approximately \$xxx,000 in
Fiscal Years 2013-2014. This includes \$xxx,000 in expenses and \$xx,000 in DoD labor.
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DISTRIBUTION STATEMENT A. Approved for public release. TBD

- **FY2013 SE Annual Report to Congress currently on track to deliver 31 March**
- **Detailed review of DASD(SE) Accomplishments in FY13**
- **Review of Service progress and plans implementing key pieces of WSARA to improve SE capabilities**
- **Current ENG workforce numbers by Service and best available estimates of SE contracting workforce**
- **Detailed program by program assessments for 40+ MDAPs**



FY14 Activities



Top Level FY14 DASD(SE) Goals



- **Continue excellence in Engineering support to programs and acquisition decisions**
- **Provide consistent Program Protection engagement with programs resulting in successful vulnerability mitigation strategies**
- **Advocate for and ensure adequate DoD Engineering Workforce capacity and capability**
- **Provide technical depth to acquisition Policy and Processes**
- **Support R&E on critical engineering research and prototyping investments**
- **Execute other assigned tasking**



Top Level FY14 DASD(SE) Goals

Core Mission: Engineering Assessment



Continue excellence in SE support to programs and acquisition decision making

- Our Key Differentiator: Depth of Technical Competence
- Must Continue to Insure Business Relevance of SE Inputs
 - Provide more than technical advice – understand business context, politics, decision timelines
- Focus on Identifying and Managing Engineering and Technical Risk
 - Broad definition of Risk: Cost, Technology, Engineering (Hardware, Software, System), Integration, Synchronization, Manufacturability, Supportability, Safety, Security, etc.
- Maintain Key Decision Maker Confidence in SE assessments
 - Goal: Be USD(AT&L)'s first choice for independent technical advice
- Key Question: Scoping Breadth of our Engagement
 - Prioritization critical to addressing work scope in FY 13 with fixed resources



Top Level FY14 DASD(SE) Goals

Core Mission: Program Protection



Provide consistent PPP engagement to programs resulting in successful vulnerability mitigation strategies

- Unity of effort: Program Protection as part of our integrated SE engagement
- Move Department practice to embrace full-scope System Security Engineering: Supply Chain/Trust, Cyber/IA, Integrity (AT/DC)
- Complete implementation of DVTT findings for protection of Unclassified Technical Data
- Support greater incorporation of threat intelligence data in formal acquisition decision making
- Increase focus on establishing program protection requirements (including intel/counter-intel) and building the PP cost business case



Top Level FY14 DASD(SE) Goals

Shaping Roles: Workforce, Policy, R&E



Advocate for and ensure adequate DoD Engineering Workforce capacity and capability

- Shaping Role; DASD(SE) lacks authorities to drive significant changes in recruitment, retention, service organizational structure or pay and incentives
- Continue support for larger national engineering and STEM initiatives

Provide technical depth to acquisition Policy and Processes

- Shaping Role; Focus on support to execution vs new products
- Implement changes in response to revised 5000.02
- Includes role in Standardization (Engineering focus, supporting WH policy)
- Publish revised draft DoD Risk Guide

Support R&E on critical engineering research and prototyping investments

- Shaping Role; Need to help R&E engage the larger acquisition community



Top Level FY14 DASD(SE) Goals

Other Assigned Tasking



New Assignments/Special Projects

Ongoing directed engagements

- iEHR
- JSF
- Nuclear Weapons and NNSA
- Other (ASD(A) and SAE requests)

Key Leadership Competencies and Boards

- USD(AT&L) Interest, Engineering workforce was identified to pilot new acquisition workforce leadership qualification board process in FY14

Services Contracting

- USD(AT&L) Interest, DASD(SE) was assigned OSD SME oversight responsibility for the significant portion of knowledge based contracting in DoD; Instructions and processes to implement these duties in FY14 are being defined

Ongoing support to Better Buying Power Initiatives

- USD(AT&L) Interest, Continuing effort

Value Engineering Support

- USD(AT&L) Interest

Open Systems Architecture engagement with IG and GSA

- Congressional and GSA Interest Item, Co-lead with USN

Anti-counterfeit

- Congressional and GSA Interest Item, Technical support to DPAP

Congressional Reporting

Oversee the SERC UARC and the MITRE FFRDC



Summary



- **Criticality of our Systems Engineering mission work has grown**
 - Our work will be even more essential in facing budget challenges
- **We are making an impact**
 - Strong support for System Engineering mission across the Department
- **Dedicated, professional and committed SE staff**
- **Focused on working smarter, as a more tightly integrated team across OSD and the Services**
- **Continue to make a difference for the warfighter and the taxpayer**



Systems Engineering: Critical to Defense Acquisition



Innovation, Speed, Agility
<http://www.acq.osd.mil/se>



Additional Information



Interim DoD Instruction 5000.02 Operation of the Defense Acquisition System, November 25, 2013

http://www.dtic.mil/whs/directives/corres/pdf/500002_interim.pdf