



Panel on SE Standards

Sharon Vannucci, Moderator
ODDR&E/Systems Engineering

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Why are Standards an Issue?



- **In the 90s, with acquisition reform, many DoD standards were cancelled.**
- **Some feel the pendulum may have swung too far and that there is a need to revitalize military standards to provide Defense contractors explicit requirements to mandate best SE practices in systems acquisition.**



Questions for the Panel



- **What do you see as the role, need, or value of standards for acquisition and engineering, especially SE?**
- **What is the state of SE standards, etc.* in your organization?**
 - What has been adopted?
 - What are top needs/gaps?
- **What are your thoughts about when to use DoD/MIL standards versus industry standards?**
 - Pros or cons?
 - Top decision criteria for developing/updating/adopting SE standards?

* *specs, handbooks/guides, DIDs*



Panelists

- ***Moderator:*** Sharon Vannucci, ODDR&E/SE/Mission Assurance; Lead Standardization Authority for SE in DoD's ASSIST standards tool
- ***Army:*** Cheryl Jones, ARDEC, Quality Engineering and System Assurance Sciences Group
- ***Navy:*** Joel Manary, SPAWAR, Engineering Process Office, SSC Pacific
- ***Air Force:*** Chris Ptachik, SAF/AQRE, SE (Alion Science and Technology, Inc.)
- ***Industry:*** Garry Roedler, Lockheed Martin, Engineering Process Improvement Center; INCOSE ISO SE/SW Liaison



Defense Standardization Program



Standardization Policy:*

DoD policy is to promote standardization of materiel, facilities, and *engineering practices* to improve military operational readiness, and reduce total ownership costs and acquisition cycle time. It is also DoD policy to state requirements in performance terms, wherever practical, and to make maximum use of non-Government standards and commercial technologies, products, and practices. To pursue these policies, there is a single, integrated Defense Standardization Program and a uniform series of specifications, standards, and related documents.

***Find out more by selecting the Policy link on the DSPO web site: <http://www.dsp.dla.mil/>**



DoD Non-Government Standard Policy



DoD's position on non-government standards versus MIL-STDs is very clear from a policy standpoint . . .

Public Law 104-113 and OMB Circular A-119 mandate that all federal government agencies shall use non-government standards in lieu of developing or maintaining government standards, **IF the non-government standard satisfies the government's requirements (emphasis added).**



Major Initiatives: Reinvigorating Defense Standardization



- **Acquisition Reform efforts cancelled tens of thousands of Mil Standards**
- **Mil Standards were partially replaced with Voluntary Consensus Standards (VCS)**
 - VCS proponents may not fully capture US Governments interests and equities
- **Services' product centers are currently, independently pursuing reinstatement (with revision) of Mil Standards**
 - Opportunity for SE to advocate and coordinate Service efforts
- **USD(AT&L) appointed D,SE as the Defense Standardization Executive (Defense Standardization Program Office still physically at DLA)**
 - Standards, GIDEP, Interagency Coordination
- **Goal is to make standardization efforts an effective engineering coordination tool and to provide effective standards tools for DoD contracting**



For Additional Information

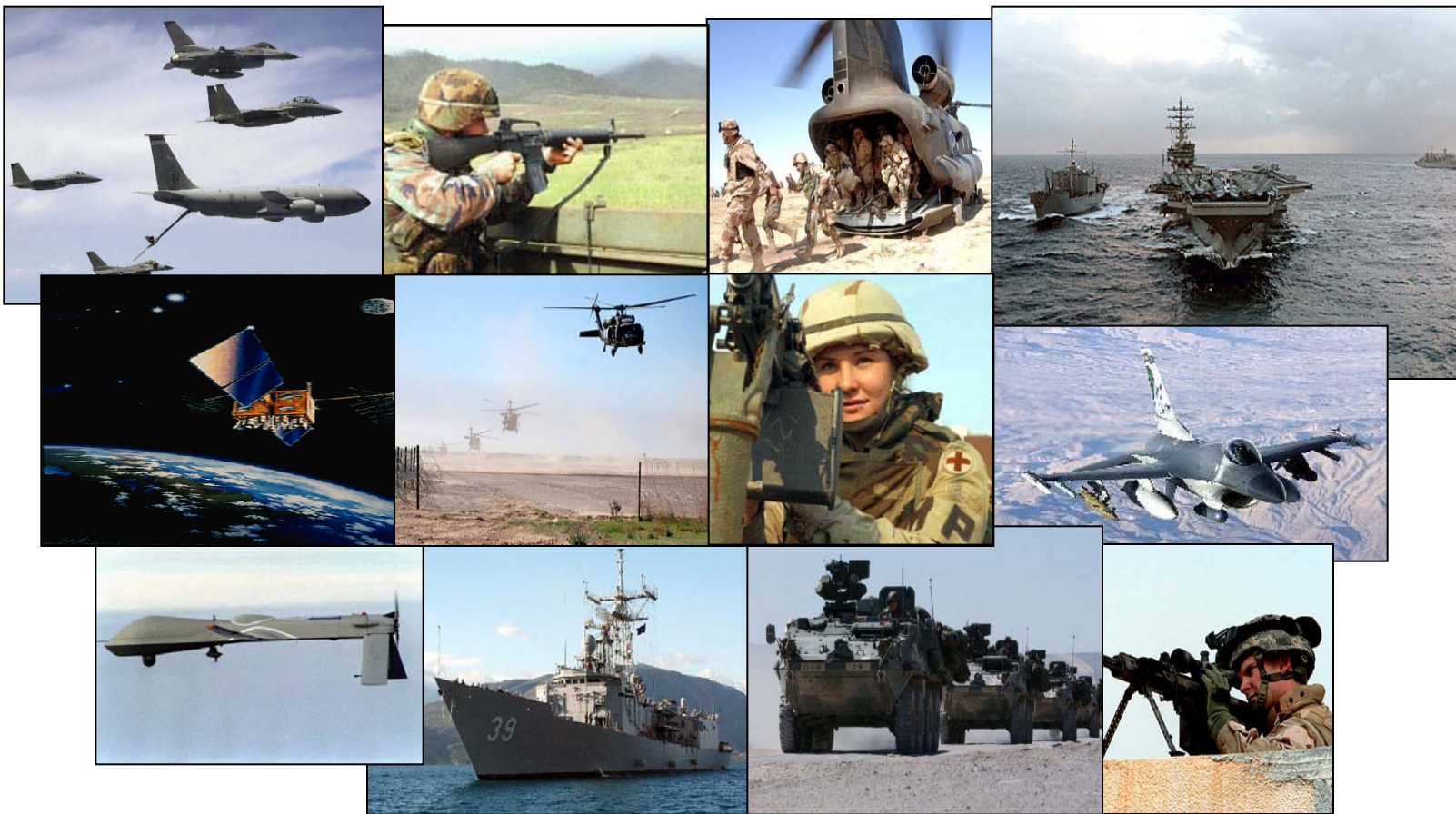


Sharon Vannucci

ODDR&E/Systems Engineering
703-695-6364 | sharon.vannucci@osd.mil



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Backups





DSE's Role in SE Standards

- **Gatekeeper for Functional category /area: SE Standards and Specifications (SESS)**
 - ~365 active documents in SESS
 - ~ 25+ involve OSD/SE participation as the 'preparing agency'
- **National and International SE related Standards:**
 - Participate in standards bodies, as appropriate, to develop/revise
 - Coordinate review of new drafts/revisions to support DoD vote
 - Coordinate for adoption within DoD and placement in ASSIST
- **DoD Standards (related to SE):**
 - Participate, as appropriate, in development/revision of DoD standards
 - Coordinate DoD drafts for acceptance and ASSIST placement
 - Coordinate Component-nominated documents for acceptance as a DoD specification/standard in ASSIST



DoD Standardization Executive Realignment



- **Transferred from OSD Defense Logistics Agency to OSD Systems Engineering**
- **Benefits – Director, Systems Engineering will set DoD-wide strategic direction for standards**
 - Standards are a key foundation of systems engineering
 - Standards reduce risk and cost in programs
 - Standards document and communicate lessons learned, interoperability, and technologies across entire sectors to form a common understanding