



SYSTEMS ENGINEERING AND ASSESSMENTS

SE&A

The Office of the Assistant Secretary of War for Mission Capabilities (OASW(MC)) Systems Engineering and Assessments (SE&A) seeks to advance Department of War (DoW) engineering excellence by equipping acquisition professionals to make informed, risk-based decisions that accelerate and improve the development, testing, and delivery of innovative military capabilities to the warfighter. SE&A includes lines of effort in the functional areas of engineering and developmental test and evaluation (DT&E).

❖ SE&A TEAMS

Policy and Workforce (P&W): Leads policy, guidance, and workforce development initiatives.

Systems Engineering (SE) Modernization: Focuses on modernizing SE practice, including using modular open systems approach.

Digital Engineering, Modeling & Simulation (DEM&S): Focuses on digital engineering transformation and implementation.

Software Engineering (SWE): Focuses on adopting modern Agile/DevSecOps software practices.

Specialty Engineering (SpE): Focuses on improving delivery of advanced capability to warfighters at optimal value.

Defense Standardization Program Office (DSPO): Develops and manages standardization processes and products. Executive Director, SE&A serves as the Defense Standardization Executive.

Joint Architecture for Capabilities and Systems (JACS): Promotes systems of systems fielded with speed, fidelity, and adaptability.

Air Systems: Engages with critical DoW Air System programs to assist in developing comprehensive engineering and DT&E strategies.

Land and Naval Systems: Engages with critical DoW Land and Naval System programs to assist in developing comprehensive engineering and DT&E strategies.

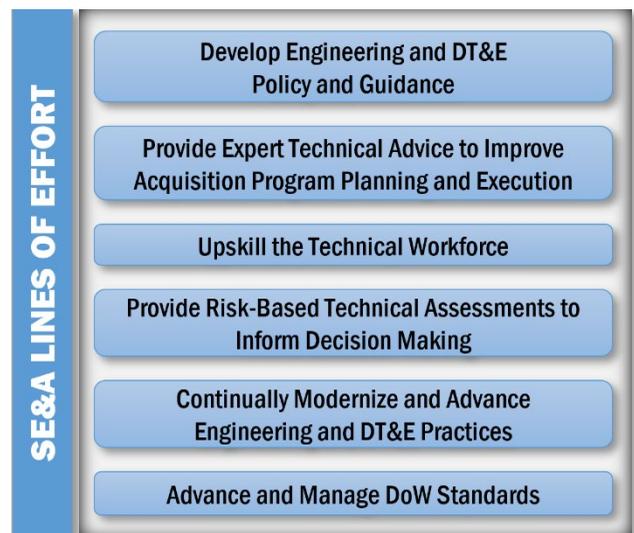
Space/C5ISR/NC3: Engages with critical DoW Space and C5ISR-NC3 System portfolios and programs to assist in developing comprehensive engineering and DT&E strategies.

Missile Systems: Engages with critical DoW Missile System programs to assist in developing comprehensive engineering and DT&E strategies.

Cybersecurity/Interoperability: Leads enterprise-wide collaboration to develop policy, guidance, and transformational cyber DT&E strategies. Engages with DoW programs to integrate standardized, mission-focused approaches that ensure resilience and interoperability throughout the capability life cycle.

❖ SE&A LINES OF EFFORT

SE&A pursues several lines of effort to accomplish its mission in support of Secretary of War priorities. SE&A provides the expertise to improve DoW policy and guidance, assess programs with practical insight, champion modern standards, and promote continual advancement in DoW workforce knowledge and skills.



Secretary of War Priorities



SE&A promotes innovative engineering principles, techniques, and practices to provide superior capability for U.S. warfighters. SE&A engages with critical DoW programs across warfare domains to develop comprehensive engineering, cyber, and DT&E strategies.

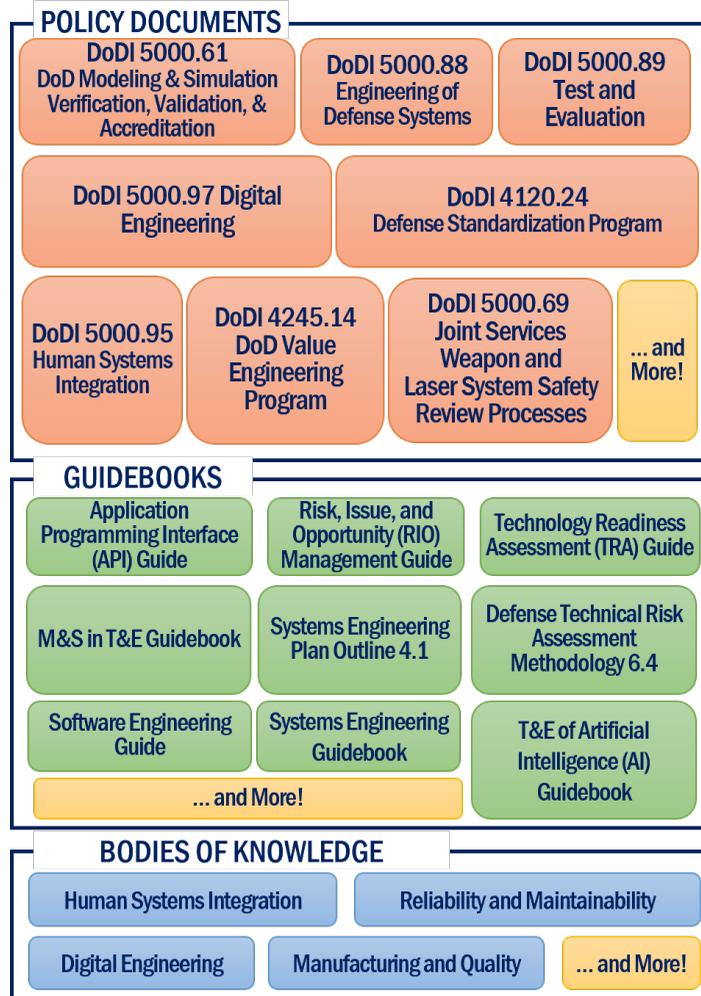
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ORGANIZATIONAL HIGHLIGHT:

SE&A *continued*

❖ POLICY AND GUIDANCE

SE&A develops instructions, manuals, and guidance to govern certain engineering and DT&E activities.



❖ RESOURCES

SE&A – <https://www.cto.mil/sea/>
 DTE&A – <https://www.cto.mil/dtea/>
 ENG Information Sheets –
<https://www.cto.mil/sea/info-sheets>
 ASSIST (Standards) – <http://assist.dla.mil>
 MOSA CoP – <https://www.dau.edu/cop/mosa/>
 DEBOK – <https://de-bok.org/>
[Acquisition Transformation Strategy](#)
 Scan the QR code for more information

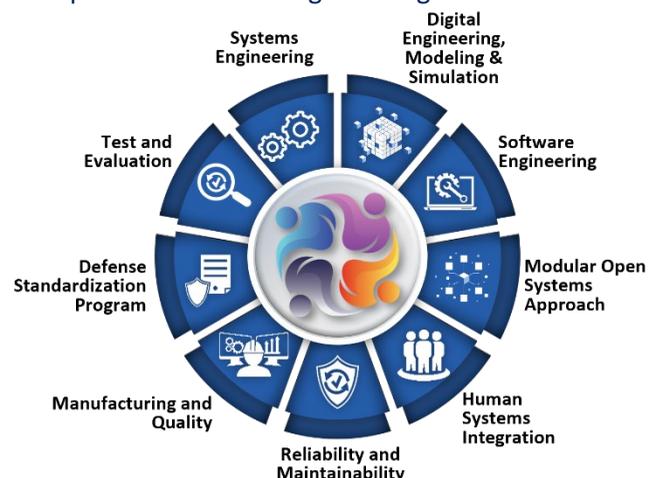


❖ DELIVERABLES, COLLABORATION, AND SERVICES



❖ COMMUNITIES OF PRACTICE

SE&A collaborates across the Department through communities of practice. Communities allow interaction among acquisition professionals to support capability development and knowledge sharing.



For more information, contact osd-sea@mail.mil