

Carnegie Mellon University

Software Engineering Institute



SEI Bulletin — January 9, 2019

DoD Developer's Guidebook for Software Assurance

This guidebook helps software developers understand expectations for software assurance. Because developers need to be aware of the regulatory background in which their projects operate, this guidebook summarizes standards and requirements that affect software assurance decisions and lists key resources that developers should consult. It includes a summary of the State-of-the-Art Resources (SOAR) for Software Vulnerability Detection, Test, and Evaluation report, along with its approach for selecting tools. The guidebook also provides a bottom-up approach to tool selection that considers what activities and tools are typically appropriate at different stages of the development or product lifecycle. It offers advice for special lifecycle considerations, such as new development and system re-engineering, and describes metrics that may be useful in selecting and applying tools or techniques during development. Special sections are devoted to assurance in software sustainment and software acquisition.

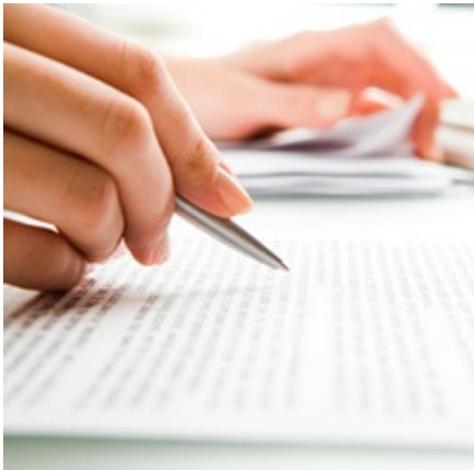
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- [Call for Papers: International Conference on Technical Debt](#)
- [Collaborative Solution Earns Top-Five Spot in DIUX Challenge](#)
- [New SiLK Handbook Addresses Analyst Tradecraft](#)

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SEI Publications

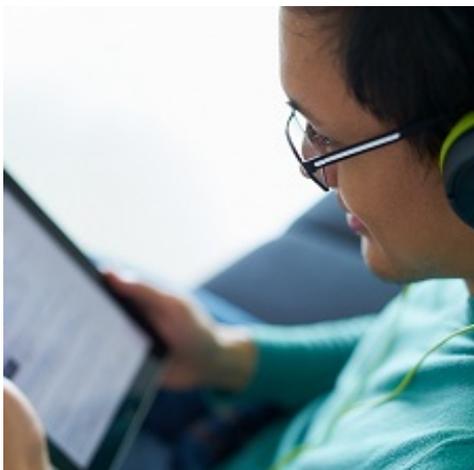
- [Incident Management Capability Assessment Workbook](#)
- [Program Manager's Guidebook for Software Assurance](#)
- [DoD Developer's Guidebook for Software Assurance](#)



SEI Blog

Recent posts

- [Deep Learning, Agile-DevOps, and Cloud Security: The Top 10 Blog Posts of 2018](#)
- [SCALE v. 3: Automated Classification and Advanced Prioritization of Static Analysis Alerts](#)



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- [Blockchain at CMU and Beyond](#)



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Featured events

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- [SATURN 2019](#)



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Short video snapshots of SEI work from our experts

- [Cross-Origin Resource Sharing \(CORS\)](#)
- [Influence Attacks on Machine Learning](#)



SEI Training

- [Software Architecture: Principles and Practices](#)
March 4-5, 2019 (SEI Pittsburgh, Pa.)
- [Insider Threat Program Evaluator](#)
March 12-14, 2019 (SEI Arlington, Va.)



SEI Careers

Featured opportunities

- [Senior Engineer - Initiative Lead](#)
- [Associate Security Researcher](#)
- [Front-End Web Developer](#)
- [All Current Opportunities](#)

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The SEI Bulletin is a biweekly newsletter designed to keep you up to date on SEI news, events, research, and other matters of interest to the SEI

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