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## SEI CERT Division Research Raises Cybersecurity Awareness

**October 15, 2025** — The Cybersecurity and Infrastructure Security Agency (CISA) is promoting Cybersecurity Awareness Month, the agency's annual awareness campaign. To support cybersecurity awareness within government, industry, and academia, the CERT Division of the SEI presents its October releases and events.

### SEI Blog Posts

- [What's New in SSVC: Build, Explore, and Evolve Your Decision Models](#)
- [Enhancing Security with Cloud Flow Logs](#)
- Radio-Frequency Attacks: Securing the OSI Stack (coming soon, [subscribe for alerts](#))

### SEI Podcasts

- [API Security: An Emerging Concern in Zero Trust Implementations](#)
- Orchestrating the Chaos: Protecting Wireless Networks from Cyber Attacks (coming soon to [YouTube](#))
- Getting Your Software Supply Chain In Tune with SBOM Harmonization (coming soon to [YouTube](#))

## Recent and Upcoming Videos

- [Using LLMs to Evaluate Code](#)
- Cybersecurity Maturity Model Certification (coming soon to [Defense Acquisition University](#))
- Secure Software by Design (coming soon to [YouTube](#))
- Q-Day Countdown (coming soon to [YouTube](#))

## Recent Publications

- [Standardization of Return on Risk Investment Computation](#)

## Upcoming Training

- [Insider Threat Program Manager: Implementation and Operation](#), October 21-23
- [Insider Risk Management: Measures of Effectiveness](#), October 28-30

## Upcoming Appearances

- [AUSA Annual Meeting & Exposition](#)
- [AFCEA TechNet Indo-Pacific 2025](#)

**[Learn more about the CERT Division »](#)**



**[SEI News](#)**

### [Artificial Intelligence Data Quality Workshop to Present AI Engineering Best Practices](#)

The October 23 virtual workshop will feature presentations on dataset generation, exploration, preparation, and testing for ensuring data quality when training AI systems.

### [Cybersecurity Maturity Model Certification Rule Finalized for Defense Industrial Base](#)

Beginning November 10, defense contracts may require assessments under the CMMC program, which the SEI co-created, but implementation will be phased.

[\*\*See more news »\*\*](#)

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## **Latest Blogs**

### **[What's New in SSVC: Build, Explore, and Evolve Your Decision Models](#)**

Recent updates to the Stakeholder-Specific Vulnerability Categorization (SSVC) framework help different stakeholders to prioritize vulnerabilities according to their distinct risk appetites.

### **[Enhancing Security with Cloud Flow Logs](#)**

Timothy J. Shimeall summarizes the SEI's flow log analysis work and explores challenges associated with correlating events across multiple cloud service providers.

### **[5 Essential Questions for Implementing the Software Acquisition Pathway and the Tools to Tackle Them](#)**

Eileen Wrubel, Rita Creel, and Brigid O'Hearn outline five essential questions to ask before implementing the Software Acquisition Pathway (SWP) and an SEI toolset to assist in the effort.

[\*\*See more blogs »\*\*](#)

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## **Latest Podcasts**

### **[API Security: An Emerging Concern in Zero Trust Implementations](#)**

McKinley Sconiers-Hasan and Timothy Morrow talk about how recent vulnerabilities due to design flaws and incorrect deployments have made application programming interfaces (APIs) a target for attacks.

### **[Delivering Next-Generation AI Capabilities](#)**

Matt Gaston and Matt Butkovic discuss ongoing and future work in AI, including test and evaluation, the importance of hands-on experience with

AI systems, and why government needs to continue partnering with industry to spur innovation in national defense.

### [The Benefits of Rust Adoption for Mission-and-Safety-Critical Systems](#)

Vaughn Coates sits down with Joe Yankel to discuss the barriers and benefits of Rust adoption.

[See more podcasts »](#)

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## [Latest Publications](#)

### [Standardization of Return on Risk Investment Computation](#)

This paper proposes standardizing how ROI is calculated and applied to quantitative risk-based decision making to enhance security resilience.

### [Preliminary Architectural Analysis](#)

This presentation gives a foundational analysis of enterprise architecture utilizing MBSE.

### [Automated Code Repair for C/C++ Static Analysis](#)

This paper details the application of design, development, and performance testing to an automated program repair tool, built by the SEI's CERT Division, that repairs C/C++ code.

[See more publications »](#)

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## [Latest Videos](#)

### [Using LLMs to Evaluate Code](#)

Mark Sherman summarizes the results of experiments that were conducted to see if various large language models (LLMs) could correctly identify problems with source code.

### [Quantum Computing Meets High Performance Computing Skills in the Class](#)

The SEI's Dan Justice and NVIDIA's Monica VanDieren discuss why high-performance computing (HPC) and AI skills are no longer optional for

quantum professionals and how to prepare students for the reality of accelerated quantum supercomputing.

### [Achieving Balance: Agility, MBSE, and Architecture](#)

Peter Capell addresses a practical vision for meeting stakeholder expectations of Agile implementation, highlighting the value of model-based systems engineering and architecture.

[See more videos »](#)

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## [Upcoming Events](#)

Webcast - [5 Essential Questions for Implementing the Software Acquisition Pathway and the Tools to Tackle Them](#), October 22

Eileen Wrubel and Brigid O'Hearn discuss the launch of the Software Acquisition Go Bag resource kits, how to provide feedback for future Go Bag releases, and common questions when launching Software Acquisition Pathway programs.

[AI Data Quality: Advancing AI Engineering for Reliable Data Pipelines](#), October 23

The virtual workshop will feature presentations on dataset generation, exploration, preparation, and testing for ensuring data quality when training AI systems.

[AAAI Fall Symposium: Engineering Safety-Critical AI Systems](#), November 6-8, Arlington, Va.

As AI is increasingly applied to new and more high-risk settings, a mature safety engineering discipline for AI becomes ever more critical. Join the SEI to advance the discipline of engineering AI for safety.

[See more events »](#)

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## [Upcoming Appearances](#)

[AUSA Annual Meeting 2025](#), October 13-16

Visit the SEI at booth 2109.

[NDIA 28th Annual Systems & Mission Engineering Conference](#), October 27-30

Visit the SEI at booth 16.

[AFCEA TechNet Indo-Pacific 2025](#), October 28-30

Visit the SEI at booth 1004.

**[See more opportunities to engage with us »](#)**

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## **[Upcoming Training](#)**

[Insider Risk Management Measures of Effectiveness \(IRM-MoE\) Certificate Package](#)

October 28-30 (Live Online)

[Insider Threat Analyst](#)

December 9-11 (Live Online)

E-learning - [CERT Artificial Intelligence \(AI\) for Cybersecurity Professional Certificate](#)

E-learning - [Introduction to Artificial Intelligence \(AI\) Engineering](#)

E-learning - [Effective Communication of Technical Concepts](#)

[Online registration](#) is now available for January-December 2026 public courses, both live online and in person.

**[See more courses »](#)**

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