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News: SEI Helps Government Contractors Ramp Up to Meet New NISPOM Mandate

In May 2016, the Department of Defense (DoD) released Change 2 to the National Industrial Security Program Operating Manual (NISPOM). This change, which comes in the wake of a number of high-profile insider incidents involving government contractors, requires cleared federal government contractors to establish an insider threat program in their organizations. The clock is already ticking on this requirement: Change 2 stipulates that contractors must have a written plan in place to begin implementing the new insider threat requirements no later than November 30, 2016.



[Learn how the SEI is poised to help cleared government contractors meet the NISPOM Change 2 requirements.](#)

Also in the news:

- [SEI Makes Updated CERT C Coding Standard Freely Available](#)
- [SEI Introduces "Cyber Minute" Series](#)
- [Cyber Lightning Exercise Helps Air National Guard and Air Force Reserve Units Learn and Test New Skills](#)
- [13th SEI Software Engineering Workshop for Educators Expands Scope](#)

CERT Podcast Series: Intelligence Preparation for Operational Resilience

Security and operational resilience leaders need a way to make sense of the flood of threat and environmental information to understand their cyber situational awareness and make informed decisions. Intelligence preparation for Operational Resilience (IPOR) is a structured framework that decision makers can use to

- identify intelligence needs
- consume the information received by intelligence sources
- make informed decisions about the organization and courses of action

In this podcast, Douglas Gray, a member of the CERT Cyber Risk

Management team, discusses how to operationalize intelligence products to build operational resilience of organizational assets and services using IPOR.

[Listen to the podcast.](#)



Douglas Gray

SEI Cyber Minute: SEI's Internet in a Box Spurs Realistic Training

In every Cyber Minute video, an SEI expert delivers a quick, informative snapshot of our latest research on the changing world of all things cyber. In our latest Cyber Minute, Gabriel Somlo discusses the SEI's "Internet in a Box" platform, which facilitates realistic training scenarios.

[Watch the Cyber Minute.](#)



SEI Blog: A Naval Perspective on Open-Systems Architecture

To deliver enhanced, integrated warfighting capability at lower cost, the DoD must move away from stove-piped solutions and embrace open-systems architecture (OSA) approaches that integrate business and technical practices to create systems with interoperable and reusable components. In November, the SEI launched a series of blog posts that highlight the perspectives of DoD stakeholders—including contractor and government employees—on OSA-based approaches and how they can best be integrated in DoD software (and hardware) development. The first post in this series highlighted our discussion with David Sharp, a senior technical fellow at The Boeing Company and an expert in software architecture for embedded systems and systems of systems. This post highlights a discussion with Nickolas H. Guertin, in the Office of the Deputy Assistant Secretary of the Navy for Research, Development, Test, and Evaluation.



Douglas Schmidt

[Read the post.](#)

Events: 13th SEI Software Engineering Workshop for Educators

Building on the twelve-year success of the Architecture-Centric Engineering Workshops for Educators (ACE), the SEI will this year expand the workshop's scope to embrace the entire field of software engineering. To reflect this growth, the event is now called the SEI Software Engineering Workshop for Educators. The SEI will host the workshop from August 2 through 4, 2016, at its Pittsburgh, Pennsylvania, headquarters. The workshop fosters an exchange of ideas among educators whose curricula include subjects spanning software engineering. The three-day workshop will feature two days of SEI courses.



This year's courses cover big data and service-oriented architecture design. Day 3 is devoted to invited talks and group sessions, facilitated by SEI team members, where participants share experiences, ideas, and tangible artifacts for introducing software engineering topics into the college curriculum.

The workshop is open to any accredited, college-level educator. In lieu of an entry fee, attendees are expected to bring a shareable artifact to the workshop.

[Learn more about the 13th SEI Software Engineering Workshop for Educators and register.](#)

SEI Jobs

The SEI is a great place to pursue your passion. Headquartered in Pittsburgh, Pa., the SEI also has offices in the Washington, DC, and Los Angeles, Calif., metropolitan areas.

Interested in working for the SEI?

Below are a few recent employment opportunities. For more job listings and full position descriptions, check out the [SEI Careers page](#).



[Senior Software Systems Engineer](#)

[Machine Learning Research Scientist](#)

[DevOps Engineer](#)

[Cybersecurity Engineer - Exercise Developer](#)

[International Cybersecurity Analyst](#)

[More job listings...](#)

Training Opportunities

Upcoming Classes:

August 24 - 25, 2016 (Pittsburgh, Pa.)

[Software Architecture Design and Analysis](#)

September 19 - 23, 2016 (Arlington, Va.)

[Information Security for Technical Staff](#)

2016 Course Schedule

[All 2016 Courses](#)



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About the SEI Bulletin

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 community. We hope you find the SEI Bulletin useful and informative.

Send Us Your Story

Do you have a story about how an SEI technology has positively affected your team or organization? If so, the SEI would like to hear about it. Send a short summary of your success to info@sei.cmu.edu and you could be featured in a future issue of the SEI Bulletin.