

SEI Bulletin

Trouble reading this email? [View in browser.](#)



New SEI Podcasts Dive Deep into CMMC Assessment Guides

January 6, 2021 — A [series of SEI podcasts](#) released in December 2020 explores the assessment guides to the Cybersecurity Maturity Model Certification (CMMC). The guides, released by the Department of Defense in November 2020, provide information on the criteria, methodology, and practices examined by CMMC assessments of cybersecurity maturity levels 1 and 3. In the podcasts, Andrew Hoover and Katie Stewart, members of the SEI's CERT Division and architects of the CMMC, discuss the development and use of the assessment guides.

The CMMC for Defense Industrial Base (DIB) suppliers defines cybersecurity practices across five levels of maturity and measures how well the practices are institutionalized within an organization. The CMMC requires that DIB organizations complete an assessment of all CMMC practices at a particular level and become certified by a CMMC third-party assessment organization.

Listen to or watch Hoover and Stewart's [An Introduction to CMMC Assessment Guides](#) podcast as well as separate installments dedicated to the [Level 1](#) and [Level 3](#) assessment guides.

The SEI Podcast Series is available on the [SEI website](#), [Apple Podcasts](#), [Google Podcasts](#), [TuneIn](#), [SoundCloud](#), [Stitcher](#), and the SEI's [YouTube channel](#).



SEI News

[FloCon 2021 Announces Program on Using Data to Defend](#)

The SEI's annual conference on data analysis for security will feature 20 speakers and two trainings.

[SEI Releases OCTAVE FORTE Model for Enterprise Risk Management](#)

The OCTAVE FORTE (OCTAVE For the Enterprise) model for enterprise risk management helps executives and other decision makers understand and prioritize the complex risks affecting their organizations.

[AI Engineering Report Highlights Needs and Challenges to Focus Emerging Discipline](#)

The conclusions of a 2019 SEI workshop describe nine areas of need for the defense and national security AI systems of the future.

[**See more news »**](#)



Latest Blogs

[An Introduction to Model-Based Systems Engineering \(MBSE\)](#)

Natalia Shevchenko introduces the formalized methodology for supporting the development of complex systems.

[Benford's Law: Potential Applications for Insider Threat Detection](#)

Emily Kessel explores how a mathematical law may help detect insider activity without the effort of traditional anomaly detection.

[Release of SCAIFE System Version 1.0.0 Provides Full GUI-Based Static-Analysis Adjudication System with Meta-Alert Classification](#)

Lori Flynn discusses a modular architecture enabling a variety of tools,

systems, and users to use artificial intelligence (AI) classifiers for static-analysis meta-alerts.

[See more blogs »](#)



[Latest Podcasts](#)

[An Introduction to CMMC Assessment Guides](#)

Andrew Hoover and Katie Stewart, CMMC model architects, discuss the CMMC assessment guides, how they were developed, and how they can be used.

[The CMMC Level 1 Assessment Guide: A Closer Look](#)

Andrew Hoover and Katie Stewart, CMMC model architects, discuss the Level 1 Assessment Guide for the CMMC.

[The CMMC Level 3 Assessment Guide: A Closer Look](#)

Andrew Hoover and Katie Stewart, CMMC model architects, discuss the Level 3 Assessment Guide for the CMMC and how it differs from the Level 1 Assessment Guide.

[See more podcasts »](#)



[Latest Publications](#)

[Security Engineering Risk Analysis \(SERA\) Threat Archetypes](#)

This white paper examines the concept of threat archetypes and how analysts can use them during scenario development.

[Loss Magnitude Estimation in Support of Business Impact Analysis](#)

This technical report describes the development of a method to improve estimated confidence in and ranges of potential cyber loss magnitude.

[Emerging Technologies 2020](#)

This white paper and presentation describe six key emerging technologies of interest to the DoD and researchers.

[See more publications »](#)



Latest Videos

[CMU SEI Research Review 2020 Presentation Videos](#)

This collection contains 21 video presentations from the SEI Research Review 2020.

Webcast - [Busting the Myths of Programmer Productivity](#)

Bill Nichols asks if the great programmers really are 10 times faster than the rest and what that productivity difference means.

Webcast - [What Is Cybersecurity Engineering and Why Do I Need It?](#)

Carol Woody and Rita Creel discuss how cybersecurity engineering knowledge, methods, and tools throughout the lifecycle of software-intensive systems will reduce their inherent cyber risk and increase their operational cyber resilience.



Upcoming Events

[FloCon 2021, January 12-15, 2021](#)

The theme of Using Data to Defend is more critical than ever, given the security challenges of moving customers and vendors online and supporting a remote workforce.

Webcast - [Software Engineering for Machine Learning: Characterizing and Detecting Mismatch and Predicting Inference Degradation in ML Systems](#)

Learn perspectives involved in the development and operation of ML systems.

[AADL/ACVIP User Days 2021](#)

This free, two-day virtual forum presents the latest on the Architecture Analysis and Design Language (AADL), the Architecture-Centric Virtual Integration Process (ACVIP), and associated tools.

Note: The SEI is evaluating all upcoming courses, conferences, and events case-by-

case in light of COVID-19 developments. Check individual event pages for the latest information.

[See more events »](#)



[Upcoming Training](#)

[Cybersecurity Oversight for the Business Executive](#)

February 23-24, 2021 (SEI Live Online)

[Documenting Software Architectures](#)

February 22-25, 2021 (SEI Live Online)

[Software Architecture Design and Analysis](#)

March 9-12, 2021 (SEI Live Online)

Note: The SEI is evaluating all upcoming courses, conferences, and events case-by-case in light of COVID-19 developments. Check individual training pages for the latest information. You may also contact us at courseregistration@sei.cmu.edu or +1-412-268-7388.

[See more courses, including live-online and eLearning offerings »](#)



[Employment Opportunities](#)

[Senior Software Architect](#)

[Security Researcher](#)

[IT Security Engineer](#)

[All current opportunities »](#)

Carnegie Mellon University
Software Engineering Institute



Copyright © 2021 Carnegie Mellon University Software Engineering Institute, All rights reserved.

Want to subscribe or change how you receive these emails?
You can [subscribe](#), [update your preferences](#) or [unsubscribe from this list](#).