



# Carnegie Mellon University Software Engineering Institute (SEI) Systems and Software Engineering Lunch and Learn Series Session 10 of 12

Wed March 22, 2023  
12:00 – 1:30 PM EDT

**Brett Tucker**  
Carnegie Mellon University



## Advancing Cybersecurity Risk Management with OCTAVE FORTE



A FREE Virtual Event – Registration Required

1 PDU / CEU

**Brett Tucker** is the Technical Manager of Cyber Risk Management in the CERT Program at Carnegie Mellon University's Software Engineering Institute (SEI) where he is responsible for a research and development portfolio focused on improving the security and resilience of the nation's critical infrastructure and assets with specific focus on risk and resilience. He also teaches executive and graduate level courses as a CERT adjunct professor at the Heinz College and serves as the Technical Sponsor for the Executive Chief Risk Officer training program. Brett has 20 years of experience in engineering, risk management, and technical management within the public and private sectors. Prior to joining the SEI, he was the Global Risk Manager for Westinghouse Electric Company where he managed the corporate enterprise risk portfolio and global insurance programs. Preceding that role, he managed a project controls organization as well as led the engineering, procurement, and installation of Instrumentation & Control suites for AP1000 nuclear power plants. Prior to Westinghouse, Brett served as an intelligence officer at the Central Intelligence Agency (CIA) and as a defense contractor for the Naval Sea Systems Command. Brett is a veteran of the United States Navy and served as a Surface Warfare Officer and qualified naval nuclear engineer. Brett holds a Bachelor of Science degree in Chemical Engineering from the University of Notre Dame, a Masters Degree in Engineering Management from Old Dominion University, and an MBA from Penn State University. Brett is a PMI certified Project Management Professional (PMP), ASQ Certified Six Sigma Black Belt (CSSBB), Certified Information Security Systems Professional (CISSP), and Certified Governance, Risk, and Compliance (CGRC) Professional through ISC<sup>2</sup>.

**Abstract:** Many organizations struggle with communicating their greatest concerns regarding risk. If by definition, risks are potential threats to the accomplishment of a strategy, then organizations must make effective risk-based decisions to be more resilient to disruption. This presentation will discuss how organizations might improve their risk-based decision making process by crafting and applying a risk appetite statement. Furthermore, this presentation will help cyber professionals characterize their risks in the same terms as all other risks found in an enterprise risk register. NOTE: *The content in this session is part of a broader set of hallmark risk management practices. For an enhanced learning experience view/download the full [OCTAVE FORTE](#) process model description document, available from CMU SEI's on-line digital library AT NO COST.*

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