NDTA-USTRANSCOM Fall Meeting/Transportation Academy **22-25 October 2018**

Course Title: Why Your Supply Chain is a Cyber Risk and How to Manage It

Abstract: Every organization, regardless of size or sector, must somehow address risks within its supply chains if it wants to excel – or even just to stay in business. But for organizations that design, manufacture, deploy or use technology, which are most organizations in today's information economy, their supply chain presents an often-overlooked risk – cybersecurity. Improperly trained contractors, corporate spies, or profit-seeking supply chain partners can steal, alter or otherwise compromise technology products and services. Due to the interconnected nature of today's supply chains, a lack of cybersecurity in one organization can have far reaching effects up and down the supply chain.

The session will showcase the key actions organizations of any type and size can do to begin taking control of their cyber supply chain risks. It will document how traditional tools for supply chain risk management also mitigate cyber risks. The session will also highlight the importance of collaborative security. Organizationally, cybersecurity risks are often treated separately from other types of supply chain risks. But, research shows that physical and cybersecurity are inextricably linked, that the tools needed to address cyber supply chain risks reside in many different functional areas, and that supply chain risk management in the most advanced organization is organized as a team effort. Finally, the session will describe how leading organizations make the business case for investment in cyber supply chain risk management.

Organization: National Institute of Standards and Technology, Computer Security Division

Website: https://csrc.nist.gov/projects/supply-chain-risk-management/

Instructor(s): Jon Boyens

Jon Boyens manages the Security Engineering and Risk Management group in the Computer Security Division, within the Department of Commerce's National Institute of Standards and Technology (NIST). He leads NIST's Cyber Supply Chain Risk Management (C-SCRM) Program and co-leads the federal interagency working group for Cyber SCRM. Boyens helps develop and coordinate the Department's cybersecurity policy among the Department's bureaus and represents the Department in the Administration's interagency cybersecurity policy process. Boyens has worked on various White House-led initiatives, including those on trusted identities, botnets, supply chain, the Cybersecurity Framework and Roadmap, and the Presidential Commission on Enhancing National Cybersecurity.

Since 2010, Boyens has conducted research to identify, evaluate and develop technologies, tools, techniques, practices, and standards needed to enable organizations to manage supply chain risk. Building on this research, he led a team to develop and issue a set of foundational, standardized, repeatable, and feasible practices to help organizations manage cyber supply chain risks to their organizations and systems. These practices were released in 2015 as NIST Special Publication 800-161, *Supply Chain Risk Management Practices for Federal Information Systems and Organizations*. Continuing on this line, Boyens is currently managing and conducting research focused on industry best practices for Cyber SCRM, criticality analysis, predictive risk analytics for cybersecurity and supply chain risk management, and cyber and supply chain metrics.

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