

Course Title: De-Mystifying Cybersecurity: Understanding and Improving the Transportation Cyber-Physical Landscape

Abstract: All modes of transportation are becoming increasingly dependent on information and communications technologies, and the risk of disruption from cyber attacks is growing. Recent attacks have impacted operations in ports, transit systems, airlines, etc. As transportation and logistics systems become more connected, and automated vehicles and control systems are introduced, the potential vulnerabilities have increased. This non- technical course will highlight the risks in connected and automated transportation systems, and outline the key elements of a comprehensive cyber security and resilience strategy. Examples of successful cyber attacks in transportation will be described, and students will be encouraged to share their experiences and concerns. This course will provide specific recommendations for cybersecurity and resilience measures attendees can apply to reduce cyber risks in their organizations and their personal lives.

Organization: U.S. Department of Transportation Volpe Center

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