

4 Ways to Improve Transportation Cybersecurity

HOW CYBER RANGES, AI & GAMIFICATION CAN FORM ELITE CYBER TEAMS

Everything is on the move. People. Agriculture. Water. Power. Materials ranging from home goods to hazardous waste all flow through a massively complex, public/private, interconnected – and increasingly automated – hive of vehicles and transport systems. With expansion into the digital domain, the transportation industry has become more alluring – and accessible – to cybercriminals.



BY THE NUMBERS: THE TRANSPORTATION INDUSTRY THREAT LANDSCAPE



19,000 + airports with 780,000 commercial flights a month



361 ports and 95,000 miles of coastline



Billions of passenger trips on mass transit (buses, subway, commuter, etc.) annually



4 million miles of roadway with 600,000 bridges and 400 tunnels



Nearly 20 billion tons of goods transported annually

TODAY, TRANSPORTATION COMPANIES ARE TAKING A HARD LOOK AT HOW TO FILL THE CYBERSECURITY SKILLS GAP, SO THEY CAN BETTER PROTECT AND DEFEND THEIR COMPANIES AND THEIR CUSTOMERS.



▶▶ [LEARN ON CYBER RANGES]

- Simulate company networks to "train as you would fight" in a safe environment
- Hone skills in real-world cyber attack exercises
- Participate in hands-on cyber exercises pertinent to the transportation industry



▶▶ [BUILD STRONGER CYBER SKILLS]

- Keep your pulse on the latest theoretical and practical cyber applications
- Assess strengths and weaknesses based on real-time performance indicators
- Prepare for certifications with hands-on learning activities



▶▶ [USE GAMIFICATION]

- Make skill building motivating in a gamified, immersive learning environment
- Increase information retention abilities so new skills are "fresh" and memorable
- Refine cyber aptitude with a genuine interest and willingness to grow



▶▶ [USE ARTIFICIAL INTELLIGENCE]

- Automate routine cyber tasks to focus on big picture problem-solving
- Augment cyber incident detection and response to improve efficiency
- Think like a malicious hacker by gathering data to make better decisions

"TRANSIT AGENCIES SHOULD IDENTIFY SPECIFIC INDIVIDUALS NECESSARY TO RECEIVE FURTHER TRAINING AND EDUCATION AS PART OF THEIR PROFESSIONAL DEVELOPMENT AND CAREER PROGRESSION, TO ENHANCE THE ORGANIZATION'S INTERNAL CAPABILITIES AGAINST CYBER THREATS."

~ SECURITYINFOWATCH



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