Training for Building Control Systems Professionals

By: Michael Chipley

The PMC Group, in conjunction with the National Institute of Building Sciences, is pleased to offer three courses in cybersecurity. These courses, offered once per quarter, will be available in July and October 2016. These courses are now included in the National Initiative for Cybersecurity Careers and Studies (NICCS) Training Catalog.

The **Introduction to Cybersecuring Building Control Systems Workshop** is geared to those professionals new to the world of building cybersecurity. This course provides a combination of classroom learning modules to teach control system basics, protocols, how to use the information assurance risk management framework and hands-on laboratory exercises using tools and methods such as the DHS Cybersecurity Evaluation Tool (CSET) to inventory, diagram, identify, attack, defend, contain, eradicate and report a cyber event.

The **Advanced Cybersecuring Building Control Systems Workshop** is geared towards building and information assurance professionals who have experience in IT or control systems cybersecurity but need to learn how to apply those skills to building control systems. This course provides a more technical, in-depth training solution geared towards developing security professionals with the ability to approach security with an attacker mentality.

The **Cybersecuring DoD Control Systems Workshop** is geared to help architects, engineers, contractors, owners, facility managers, maintenance engineers, physical security specialists, information assurance professionals—essentially anyone involved with implementing cybersecurity in the facility life cycle—to learn the best practice techniques to better protect DoD facilities. The Cybersecuring DoD Control Systems Workshop includes hands-on classroom exercises and labs to footprint a CS as a hacker would do; use the Cyber Security Evaluation Tool (CSET) to establish a risk baseline and create a System Security Plan; use the enterprise Mission Assurance Support System (eMASS) to load projects using the new DoDI 8510.01 RMF process; review the Joint Mission Assurance Vulnerability Bechmarks; and review the J-BASICS Advanced Industrial Control System Tactics, Techniques, and Procedures.