

2013 ISA Water/Wastewater and Automatic Controls Symposium



Crowne Plaza Orlando-Universal Hotel.....Orlando, Florida, USA.....August 6 to 8, 2013
Presented by the ISA Water/Wastewater Industries Division – www.isawwsymposium.com
Technical co-sponsors: WEF Automation and Info Tech Committee and the Florida AWWA Section

August 5-6, 2013 – Optional Short Course

In-Depth SCADA Cyber Security *Using the ANSI/ISA99 Standards to Secure Your Control System*

ISA Course IC32. Version 2.5

Noteset Content

- Section 1: Course Presentation
- Section 2: Exercises
- Section 3: Instructional Surveys
- Section 4: Additional Resources
- Section 5: Standards
- Section 6: Notes

Course Schedule

DAY	Topics, Exercises, Etc.	Time
Day 1 A.M.	Welcome Pre Instructional Survey What is the threat? Your site/Plant/Facility Industrial Networking Basics Exercise #1-Investigate your connection Break How do attackers attack? Exercise #2- Investigate the network- map Lunch	0.25 hour 0.25 hour 0.50 hour 0.25 hour 0.75 hour 0.50 hour 0.25 hour 0.50 hour 0.50 hour 1.00 hour
Day 1 P.M.	Defenses ISA 99/IEC 62443 Security Process- Seven Steps Exercise # 3-Wireshark Break Defense in Depth/Detection in Depth Day 1 Progress Survey	0.50 hour 0.50 hour 0.25 hour 0.75 hour 0.25 hour 1.00 hour 0.25 hour
Day 2 A.M.	Vulnerability & Risk Assessments Regulations, Standard, Recommended Practices Break Defense Architectures Exercise #4- MBSA Maintaining Cyber Security Lunch	0.75 hour 0.75 hour 0.25 hour 1.00 hour 0.25 hour 0.50 hour 1.00 hour
Day 2 P.M.	Networking & Device Hardening Exercise #5 Policy Settings Break Asking for Cyber Security Questions/Next Steps References Post-Course Survey Course & Instructor Assessment/Survey	0.50 hour 0.75 hour 0.25 hour 0.50 hour 0.75 hour 0.25 hour 0.50 hour 0.20 hour
		14 hours = 1.4 CEUs