

Cybersecurity Certification Programs have Matured

Ted Stewart ^{1*}

Michael Medoff²

¹ exida, 80N. Main St., Sellersville, PA 18960

(*Email: tstewart@exida.com, 215-453-1720 ext. 418)

² exida, 80N. Main St., Sellersville, PA 18960

SUBMISSION TYPE

30 minute presentation

6-12 page paper plus 30-minute presentation

3 foot wide x 4 foot high large format poster

KEYWORDS

Cybersecurity, exida, ISASecure, IEC62443, Security Compliance, Certification, Automation Systems, OEM, End Users, Integrators

ABSTRACT

The ISA Security Compliance Institute pioneered the first cybersecurity certification program for automation systems called ISASecure several years ago. The first accredited Certification Body was exida. A number of PLC/DCS products have successfully become certified (www.sael-online.com). Recently the IEC 62443 series of cybersecurity standards have continued to release new standards for automation systems and those standards are being used for cybersecurity certification. This presentation shares the experience of a Certification Body and the learned values of cybersecurity certification for products, development processes, integrators, and systems.

ABOUT THE AUTHORS

Ted Stewart is the Program Development & Compliance Manager for exida with 10+ years of expertise in safety and high availability automations systems, manufacturing and lean process improvement. He is responsible for new program development for IEC61508, IEC61511, IEC62443, ISO26262, IEC62061, ISO13849 and ANSI/RIA 1506. Contact: tstewart@exida.com

Michael Medoff is the Director Cybersecurity Solutions. Mr. Medoff is the task group leader for ISA99 Working Group 4 Task Group 6 which has developed the international standard IEC 62443-4-1 Security for Industrial Automation and Control Systems: Product Development Lifecycle Requirements. In addition, he is co-author of the book "Functional Safety: An IEC 61508 SIL 3 Compliant Development Process" Contact: mmedoff@exida.com