

CyberSecurity – What do I Need to Do?

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ABSTRACT

Cybersecurity concerns have been growing within the water industry causing the need for utilities to understand the available guidance, tools, standards, and requirements expected of them. The President directed the EPA to guide our nation's water infrastructure with regards to cybersecurity. Soon after the EPA had NIST develop a cybersecurity framework to give us a common language in which to assess our industry. The AWWA followed up with a free online tool to walk utilities through an assessment and the standards they should follow. Even with this guidance there are a broad set of security standards to choose from and there is often confusion on exactly what is covered by each specific standard. This presentation will go over the available guidance from NIST and AWWA; some of the tools provided by AWWA and DHS; and key industrial security standards such as ISA99, ISASecure, IEC62443, NERC-CIP, IEC62351, Achilles, etc. The overall objective will be to help utilities understand some of the steps necessary to evaluate and secure their cyber assets in accordance with the latest industry directives.

ABOUT THE AUTHORS

Rich Witucki has worked for Schneider Electric in a Solutions Architect role for 10 years focusing on custom software solutions, Operations Management and Cybersecurity. Rich works closely with sales, professional services and the end customer to provide best in class solutions. Rich's experience includes design, build and program of custom test and control systems on a variety of hardware and software platforms and the integration of these systems at all levels of the organization. Contact: Richard.witucki@schneider-electric.com