Introduction to the ISA112 SCADA Systems Management Lifecycle

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Abstract:

In 2020, the ISA112 SCADA Systems Standards committee release the first draft of its new ISA112 SCADA Systems Management Lifecycle. The Lifecycle is comprised of 8 core phases, each broken down into work processes, which provides an organized method and framework for the long term management of SCADA systems. This includes maintaining system standards, a standardized way to conduct automation projects and guidelines for the long term maintenance and operation of SCADA systems.

In this presentation, Mr. Nasby, who is co-chair of the ISA112 SCADA Systems Standards committee, will walk attendees through the SCADA Systems Management Lifecycle and explain the many benefits of its use. The ISA112 SCADA Systems lifecycle is already being used at several water/wastewater utilities in Ontario Canada, where it has helped with the standardization of work processes used for managing SCADA system. The ISA112 lifecycle has also simplified their procedures and workflows for managing SCADA projects. The ISA112 committee currently has over 250 members from around the world, and has been active since 2016. The committee is working towards releasing the first part of the written ISA112 standards documents in 2023. This talk will provide an overview of the newly released ISA lifecycle diagram that is now available at www.isa.org/isa112 and sneak preview of the written ISA112 standards that are soon to follow.

About the Speaker

Graham Nasby, P.Eng., PMP, CAP, FS.Eng. holds the position of Water SCADA & Security Specialist at City of Guelph Water Services, a publicly-owned/operated water utility located in Guelph, Ontario, Canada. Prior to joining Guelph Water in 2015, he spent 10 years in the engineering consulting community after completing his B.Sc.(Eng) at the University of Guelph. He is senior member of the International Society of Automation (ISA) and co-chair of the ISA112 SCADA System Standards Committee. His is also a named SCADA expert on the IEC-TC65 committee, a voting member of CSA committee P125 on Functional Safety, and a voting member of the ISA's Alarm Management and HMI Design committees. Mr. Nasby is a member of both AWWA and WEF, and currently sits on the Ontario Water Works Association's Automation Committee. In 2014, he was recognized with the "Mid-Career Achievement Award" from his alma mater, the University Of Guelph's School of Engineering. Contact: graham.nasby@guelph.ca