

## **Overview of Applicable ISA Standards to the Water and Wastewater Sectors**

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### **KEYWORDS**

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### **ABSTRACT:**

The ISA has a wealth of knowledge to offer the water and wastewater sectors in the form of ISA standards. Included in the ISA standards portfolio are technical reports, recommend practice documents, and the standards documents themselves. This talk will provide an overview of which ISA standards are frequently used in the water and wastewater sector. In total the ISA has over 180 standards, recommended practices and technical reports, not including those that have been adopted as ANSI and IEC standards. The talk will begin with a synopsis of the 20 most commonly used standards, and discuss common applications were they can help the process plant designer, operator, maintenance manager and facility owner. In addition to the commonly used standards, some of the more specialized standards will also be covered in terms of the special situations that they relate to. The presentation will conclude with a short discussion of how the various ISA standards relate to each other. A handout will be provided to all attendees listing the major ISA standards, what they contain, and how they can be used for both water and wastewater applications.

### **About the Author:**



**Graham Nasby, P.Eng., PMP** currently designs automated control and monitoring systems for the municipal water/wastewater sector at Eramosa Engineering Inc. He received his B.Sc.(Eng) in systems engineering from the University of Guelph and has a certificate in project management from the University of Waterloo, and has worked in various industries in addition to the water/wastewater sector in his career. Graham is a contributing member of the ISA18 "Alarm Management", ISA101 "Human Machine Interfaces" and SCC/IEC-TC65 standards committees, and director-elect of the ISA's Water/Wastewater Industries Division. Graham has over 8 years of experience with automated control and water treatment systems. In 2011, he won 2011 ISA Keith Otto award for his article on "SCADA Standardization" in the May/June 2011 issue of InTech magazine and was recently named in Control Engineering magazine's "Leaders under 40, Class of 2011" award program. Contact: [graham.nasby@eramosa.com](mailto:graham.nasby@eramosa.com)