



**American Water Works
Association**

The Authoritative Resource on Safe Water®

ANSI/AWWA G430-09
(First Edition)

AWWA Standard

Security Practices for Operation and Management



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AWWA Standard

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Foreword

This foreword is for information only and is not a part of ANSI/AWWA G430.

I. Introduction.

I.A. Background. The American Water Works Association standards program is designed to serve water and wastewater utilities and their customers, owners, service providers, and government regulators. The standards developed under the program are generally intended to improve a utility's overall operations and service. One aspect of the standards program is a specific effort to establish formal management and operations guidelines. These guidelines identify the appropriate practices, procedures, and behaviors whose implementation will provide effective and efficient utility operations and contribute to the protection of public health, public safety, and the environment.

AWWA's standards process has been used for more than ninety years to produce American National Standards Institute (ANSI)*-approved standards for materials and processes that are used by the water and wastewater utility industries. These standards are recognized worldwide and have been adopted by many utilities and organizations. Volunteer standards committees establish standard practices in a uniform and appropriate format. Likewise, this performance standard was developed using the same ANSI-recognized formal process and was submitted to ANSI for approval as an American National Standard. It was approved Jan. 28, 2010.

Formal standards committees have been and continue to be formed to address the individual standard practices for the diverse areas of water and wastewater utility operation. Technical work groups began the standards development process by identifying best practices for security operation and management. This standard is the outcome of the Security Practices for Operation and Management Committee.

AWWA has developed a series of Utility Management Standards, designed to cover the principal activities of a typical water and/or wastewater utility. Some examples of the individual topics in this series include those for water treatment plants, distribution systems, source water protection, utility management system, emergency planning, security, and business practices. More topics will be added over time, including those for wastewater utilities.

I.B. History. This is the first edition of this standard. It was approved by the AWWA Board of Directors on Jan. 25, 2009.

*American National Standards Institute, 25 West 43rd Street, Fourth Floor, New York, NY 10036.

I.C. *Acceptance.* There is no applicable information for this section.

II. Special Issues.

II.A. *Advisory Information on Application of Standards.* This standard includes only those requirements that are limited exclusively to security practices for operation and management of the drinking water or wastewater system. Separate standards will cover utility programs such as distribution system operation and management, emergency preparedness, financial management, water treatment, source water protection, communications and customer relations, and business systems. At the time of issuance of this standard, neither the Department of Homeland Security* (DHS) nor the US Environmental Protection Agency† (USEPA) have developed regulatory standards for the water sector.

II.B. This standard relies heavily on the National Drinking Water Advisory Council‡ (NDWAC) recommendations to USEPA's Administrator on water security practices, incentives, and measures, dated June 2005. A more complete description and links to those recommendations are included in appendix A. Likewise, a workgroup was convened in February 2007 by the Critical Infrastructure Partnership Advisory Council§ (CIPAC) to develop a national performance measurement system and revise the NDWAC recommendations to track with the Sector-Specific Plan. These recommendations were finalized in February 2008; links to the revised recommendations can also be found in appendix A.

III. Use of This Standard. It is the responsibility of the user of an AWWA standard to determine that the products described in that standard are suitable for use in the particular application being considered.

III.A. *Options and Alternatives.* There is no applicable information for this section.

III.B. *Modification to Standard.* There is no applicable information for this section.

IV. Major Revisions. This is the first edition of this standard.

*US Department of Homeland Security, Washington, DC 20528.

†US Environmental Protection Agency, Ariel Rios Building, 1200 Pennsylvania Avenue NW, Washington, DC 20460.

‡National Drinking Water Advisory Council, Office of Ground Water and Drinking Water (4601), Ariel Rios Building, 1200 Pennsylvania Avenue NW, Washington, DC 20460.

§Critical Infrastructure Partnership Advisory Council, US Department of Homeland Security, Washington, DC 20528.

V. Comments. If you have any comments or questions about this standard, please contact the AWWA Volunteer and Technical Support Group at 303.794.7711, Fax at 303.794.6303, write to the group at 6666 West Quincy Avenue, Denver CO 80235, or e-mail the group at standards@awwa.org.

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**American Water Works
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AWWA Standard

Security Practices for Operation and Management

SECTION 1: GENERAL

Sec. 1.1 Scope

This standard covers the minimum requirements for a protective security program for a water or wastewater utility.

Sec. 1.2 Purpose

The purpose of this standard is to define the minimum requirements for a protective security program for a water or wastewater utility that will promote the protection of employee safety, public health, public safety, and public confidence.

Sec. 1.3 Application

This standard can be referenced in the evaluation of security practices. The stipulations of this standard apply when this document has been referenced and then only to the security practices of the utility.

SECTION 2: REFERENCES

This standard references the following documents. In their latest editions, or as specified, they form a part of this standard to the extent specified within