



**CSA R103:23**  
National Standard of Canada



# Protocols for sharing automated hydrometeorological monitoring stations data and metadata



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*CSA R103:23*

***Protocols for sharing automated  
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# Preface

This is the first edition of CSA R103, *Protocols for sharing automated hydrometeorological monitoring stations data and metadata*.

CSA Group has been commissioned to develop four national standards focusing on data collected by hydrometeorological monitoring stations and descriptive data about the stations. The standards are for

- the collection and public dissemination of metadata for hydrometeorological monitoring stations;
- siting, design, and operations of hydrometeorological monitoring stations;
- a data quality rating system; and
- the exchange of hydrometeorological datasets across information systems.

These standards will promote the standardization of methods, procedures, techniques, and practices used for collecting hydrometeorological data and related information across Canada. Standardization and improved best practices will help make more hydrometeorological observations become more easily accessible to a larger and better-informed audience. The availability of standardized sets of metadata, and through a single portal, also helps gain access to information required for homogenizing data, improving asset management, and optimizing monitoring networks.

This Standard was prepared by the Subcommittee on Protocols for Sharing Hydrometeorological Monitoring Stations Data and Metadata, under the jurisdiction of the Technical Committee on Weather Stations and the Strategic Steering Committee on Environment and Business Excellence, and has been formally approved by the Technical Committee.

This Standard has been developed in compliance with Standards Council of Canada requirements for National Standards of Canada. It has been published as a National Standard of Canada by CSA Group.

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