AS 3778.1—2009
ISO 772:1996
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Australian Standard®

Measurement of water flow in open channels

Part 1: Hydrometric determinations—Vocabulary and symbols

This Australian Standard® was prepared by Committee CE-024, Measurement of Water Flow in Open Channels and Closed Conduits. It was approved on behalf of the Council of Standards Australia on 28 May 2008.
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The following are represented on Committee CE-024:

- Australian Industry Group
- Department of Natural Resources and Water, Qld
- Institute of Instrumentation, Control and Automation Australia
- Irrigation Australia
- National Measurement Institute
- NSW Department of Commerce
- University of New South Wales
- Water and Wastewater Association of Australia

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Measurement of water flow in open channels

Part 1: Hydrometric determinations—Vocabulary and symbols

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PREFACE

This Standard was prepared by the Standards Australia Committee CE-024, Measurement of Water Flow in Open Channels and Closed Conduits.

This Standard is identical with and is reproduced from ISO 772:1996, *Hydrometric determination* and includes Amendment No. 1:2002 and Amendment 2:2004.

The 2001 edition of AS 3778.1 was reviewed by the Committee and it was found to be technically valid. Hence this edition does not include technical alterations to the 2001 edition; however, Amendment No. 1:2002 and Amendment No. 2:2004 have been included. Editorial changes have been made to align with current Standards Australia Policy and, where applicable, the referenced documents have been updated.

This Standard is Part 1 of AS 3778, *Measurement of water flow in open channels,* which is published in parts as follows:

AS		
3778	Measurement of water flow in open channels	
3778.1	Part 1:	Vocabulary and symbols (this Standard)
3778.2	Part 2:	General
3778.2.1	Part 2.1:	Guidelines for the selection of methods of measurement
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References to International Standards should be replaced by references to Australian or Australian/New Zealand Standards, as follows:

Reference to International Standard		*Australian Standard*	
ISO		AS	
3166	Codes for the representation of names of countries and their subdivisions	2632.1	Codes for the representation of names of countries and their subdivisions—Country codes
3454	Liquid flow measurement in open channels—Direct depth sounding and suspension equipment	3778.6.2	Measurement of water flow in open channels—Measuring devices, instruments and equipment—Direct depth sounding and suspension equipment
5168	Measurement of fluid flow—Procedures for the evaluation of uncertainties	3778.2.4	Measurement of water flow in open channels—General—Estimation of uncertainty of a flow rate measurement

The terms ‘normative’ and ‘informative’ are used to define the application of the annex to which they apply. A normative annex is an integral part of a standard, whereas an informative annex is only for information and guidance.

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AUSTRALIAN STANDARD

Measurement of water flow in open channels

Part 1: Hydrometric determinations—Vocabulary and symbols

Scope

This International Standard gives terms, definitions and symbols in English and French used in the field of hydrometric determinations.

Domaine d'application

La présente Norme internationale donne les termes, définitions et symboles en anglais et en français utilisés dans le domaine des déterminations hydrométriques.

Structure of the vocabulary

The terminology entries are presented in systematic order, grouped into sections according to particular methods of determination or in relation to particular subjects. Annex A lists the symbols used in this International Standard. Annex B refers the user to ISO 3454 for statistical terminology, and to ISO 5168 for more extensive information about the evaluation of uncertainties. An alphabetical index is included for each of the languages.

The structure of each entry is in accordance with ISO 10241:1992, *International terminology standards — Preparation and layout*. Country codes are in accordance with ISO 3166:1993, *Codes for the representation of names of countries*.

Structure du vocabulaire

Les termes et leurs définitions sont présentés dans l'ordre systématique, et sont regroupés en sections suivant la méthode de détermination ou le sujet traité. L'annexe A énumère les symboles utilisés dans la présente Norme internationale. Pour ce qui concerne le vocabulaire statistique, l'annexe B renvoie l'utilisateur à l'ISO 3454, et à l'ISO 5168 pour une information plus détaillée pour l'évaluation des incertitudes. Un index alphabétique pour chaque langue est inclus.

La structure de chaque article est en conformité avec l'ISO 10241:1992, *Normes terminologiques internationales — Élaboration et présentation*. Les codes des noms de pays sont en conformité avec l'ISO 3166:1993, *Codes pour la représentation des noms de pays*.

1 General terms

1.1
liquid flow
movement of a volume of a substance that is neither a solid nor a gas, that is practically incompressible, that offers insignificant resistance to change of shape and that flows freely

EXAMPLE — Water or water with sediment

1 Termes généraux

1.1
écoulement
mouvement d'un volume de liquide
mouvement d'une substance qui n'est ni un solide ni un gaz, qui est pratiquement incompressible, qui n'offre qu'une résistance insignifiante au changement de forme et qui s'écoule librement

EXEMPLE — Eau ou eau chargée de sédiments.