

Hydrometry - Vocabulary and symbols (ISO 772:2011)

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NATIONAL FOREWORD

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English Version

Hydrometry - Vocabulary and symbols (ISO 772:2011)

Hydrométrie - Vocabulaire et symboles (ISO 772:2011)

Hydrometrie - Begriffe und Zeichen (ISO 772:2011)

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EUROPEAN COMMITTEE FOR STANDARDIZATION
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Foreword

This document (EN ISO 772:2011) has been prepared by Technical Committee ISO/TC 113 "Hydrometry" in collaboration with Technical Committee CEN/TC 318 "Hydrometry" the secretariat of which is held by BSI.

This European Standard shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by February 2012, and conflicting national standards shall be withdrawn at the latest by February 2012.

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Endorsement notice

The text of ISO 772:2011 has been approved by CEN as a EN ISO 772:2011 without any modification.

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Introduction

In the preparation of this International Standard, the following principles were adopted wherever possible:

- a) to standardize suitable terms and symbols without perpetuating unsuitable ones;
- b) to discard any term or symbol with differing meanings in different countries, or for different people, or for the same person at different times, and to replace that term or symbol by one which has an unequivocal meaning;
- c) to exclude terms which are self-evident.

As far as possible terms in existing International Standards have been included; however, these terms may be the subject of future amendments.

Note that similar or identical terms may have separate definitions under the different categories.

It is recognized that it is not possible to produce a complete set of definitions which will be universally acceptable, but it is hoped that the definitions provided and the symbols used will find widespread acceptance and that their use will lead to better understanding of the practice of hydrometric determinations.

Hydrometry — Vocabulary and symbols

Scope

This International Standard gives terms, definitions and symbols used in standards in the field of hydrometry.

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.

The structure of each entry is in accordance with ISO 10241. Country codes are in accordance with ISO 3166-1.

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.

1.2

flow regime

state of flow in alluvial streams characterized by a bed configuration of ripples, dunes (lower regime), plane bed (transition), standing waves and antidunes (upper regime)

NOTE The lower-regime flow is subcritical; the upper-regime flow is supercritical.

Hydrométrie — Vocabulaire et symboles

Domaine d'application

La présente Norme internationale fournit les termes, définitions et symboles utilisés dans les normes couvrant le domaine de l'hydrométrie.

Structure du vocabulaire

Les entrées terminologiques sont présentées selon un ordre systématique et regroupées en sections en fonction de méthodes de calculs ou de thèmes spécifiques. L'Annexe A établit la liste des symboles utilisés dans la présente Norme internationale.

La structure de chaque entrée est conforme à l'ISO 10241. Les codes de pays sont conformes à l'ISO 3166-1.

1 Termes généraux

1.1

écoulement d'un liquide

mouvement d'un volume d'une substance ni solide ni gazeuse, pratiquement incompressible, qui offre une faible résistance à un changement de forme et s'écoule librement

EXEMPLE Eau ou eau avec sédiments.

1.2

régime d'écoulement

état de l'écoulement dans un cours d'eau alluvial dont le lit est caractérisé par des rides de fond, des dunes (régime inférieur), un fond plat (transition), des ondes stationnaires et des antidunes (régime supérieur)

NOTE Le régime d'écoulement inférieur est sous-critique; le régime d'écoulement supérieur est surcritique.