NSAI Standards

Irish Standard
I.S. EN ISO 18365:2013

Hydrometry - Selection, establishment and operation of a gauging station (ISO 18365:2013)

I.S. EN ISO 18365:2013

Incorporating amendments/corrigenda/National Annexes issued since publication:

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Údarás um Chaighdeáin Náisiúnta na hÉireann

EUROPEAN STANDARD

NORME EUROPÉENNE

EUROPÄISCHE NORM

EN ISO 18365

December 2013

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English Version

Hydrometry - Selection, establishment and operation of a gauging station (ISO 18365:2013)

Hydrométrie - Sélection, établissement et exploitation d'une station hydrométrique (ISO 18365:2013)

Hydrometrie - Auswahl, Einrichtung und Betrieb einer Pegelstation (ISO 18365:2013)

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Foreword

This document (EN ISO 18365:2013) has been prepared by Technical Committee ISO/TC 113 “Hydrometry” in collaboration with Technical Comm*i*ttee 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of an identical text or by endorsement, at the latest by June 2014, and conflicting national standards shall be withdrawn at the latest by June 2014.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CEN [and/or CENELEC] shall not be held responsible for identifying any or all such patent rights.

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Endorsement notice

The text of ISO 18365:2013 has been approved by CEN as EN ISO 18365:2013 without any modification.

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INTERNATIONAL STANDARD

ISO 18365

First edition
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Hydrometry — Selection, establishment and operation of a gauging station

Hydrométrie — Sélection, établissement et exploitation d'une station hydrométrique

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Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

The procedures used to develop this document and those intended for its further maintenance are described in the ISO/IEC Directives, Part 1. In particular the different approval criteria needed for the different types of ISO documents should be noted. This document was drafted in accordance with the editorial rules of the ISO/IEC Directives, Part 2. www.iso.org/directives

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For an explanation on the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the WTO principles in the Technical Barriers to Trade (TBT) see the following URL: Foreword - Supplementary information

The committee responsible for this document is ISO/TC 113, *Hydrometry*, Subcommittee SC 1, Velocity area methods.

ISO 18365 cancels and replaces ISO 1100-1:1996 and ISO/TR 8363:1997, which have been merged and technically revised.

Hydrometry — Selection, establishment and operation of a gauging station

1 Scope

This International Standard gives requirements for the establishment and operation of a gauging station for the measurement of stage, or stage and discharge, of a lake, reservoir, river or canal or other artificial open channel. It also describes how a gauging station utilizing one of the measurement methods listed should be operated and maintained.

Requirements are provided for stage only measurement stations, stage–discharge stations and direct-discharge measurement stations in natural channels, as well as for stage–discharge stations with artificial structures. Additionally, some requirements are given for measurements under difficult conditions, such as under ice conditions.

2 Normative references

The following documents, in whole or in part, are normatively referenced in this document and are indispensable for its application. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

ISO 772, *Hydrometry — Vocabulary and symbols*

3 Terms, definitions and symbols

For the purposes of this document, the terms, definitions and symbols given in ISO 772 apply.

4 General requirements and considerations

4.1 Requirements

Before commencing work on establishment and operation of a gauging station, the following requirements shall be identified:

a) range of levels required to be measured;

b) range of flows required to be measured;

c) customer's requirements for type of data;

d) customer's requirements for timeliness of data;

e) allowable uncertainty in the results;

f) other potential users of the data;

g) life expectancy of the station;

h) available budget;

i) agreements for access to land and construction permits.