AS 4747.1—2013

Australian Standard®

Meters for non-urban water supply

Part 1: Glossary of terms

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 9 January 2013.
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The following are represented on Committee CE-024:

- Australian Industry Group
- Australian Water Association
- Department of Environment and Resource Management, Qld
- Institute of Instrumentation, Control and Automation Australia
- Irrigation Australia
- National Farmers Federation
- National Irrigators Council
- National Measurement Institute
- University of South Australia
- Water Services Association of Australia

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Standards Australia wishes to acknowledge the participation of the expert individuals that contributed to the development of this Standard through their representation on the Committee and through the public comment period.

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Meters for non-urban water supply

Part 1: Glossary of terms

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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, to supersede ATS 4747.1—2008, *Meters for non-urban water supply,* Part 1*: Glossary of terms*.

The objective of this Standard is to provide the glossary of terms for the AS 4747, *Meters for non-urban water supply,* series of Standards.

This document is part of a series of Standards covering the metering of non-urban water supply, as follows:

AS		
4747	Meters for non-urban water supply	
4747.1	Part 1:	Glossary of terms (This Standard)
4747.2	Part 2:	Technical requirements for closed conduit meters fully charged
4747.3	Part 3:	Technical requirements for open channel meters
4747.5	Part 5:	Installation and commissioning of closed conduit meters fully charged
4747.6	Part 6:	Installation and commissioning of open channel meters
4747.8	Part 8:	In-service compliance for non-urban water meters

The above documents were originally released as Australian Technical Specifications for a period of over two years. Following review and consideration of industry feedback, they have been revised and released as Standards.

Significant changes to the series include the following:

(a) The method of handling meters that are beyond the limit of what can be practicably pattern approved has been revised, which applies to AS 4747.2 and AS 4747.3.

(b) Overlap with the National Measurement Institute (NMI) documents has also been removed, and the NMI documents are to be read in conjunction with the above Standards.

The term ‘normative’ has been used in this Standard to define the application of the appendix to which it applies. A ‘normative’ appendix is an integral part of a Standard.

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STANDARDS AUSTRALIA

Australian Standard
Meters for non-urban water supply

Part 1: Glossary of terms

This document sets out the glossary of terms required for the use of the AS 4747, *Meters for non-urban water supply,* series of Standards.

In addition, for the purposes of the AS 4747, *Meters for non-urban water supply*, series of Standards, the definitions in the *International Vocabulary of Metrology—Basic and General Concepts and Associated Terms* (VIM), *International Vocabulary of Terms in Legal Metrology* (VIML), and AS 3778.1, *Measurement of water flow in open channels*, Part 1: *Vocabulary and symbols*, apply.

1 GENERAL

May	Indicates the existence of an option
Shall	Indicates that a statement is mandatory
Should	Indicates a recommendation

2 WATER METER AND ITS CONSTITUENTS

Adjustment device

A device (incorporated in the meter) that only allows the error curve to be shifted generally parallel to it, with a view to bringing errors (of indication) within the MPE's.

Ancillary device

A device intended to perform a particular function, directly involved in elaborating, transmitting or displaying measurement results. The main ancillary devices are—

(a) zero setting device;

(b) repeating indicating device;

(c) printing device;

(d) memory device;

(e) tariff control device; and

(f) pre-setting device.

NOTE: Ancillary devices are only subject to metrological control if they are used for trade.

Associated measuring instruments

Instruments connected to the calculator, the correction device or the conversion device, for measuring certain quantities that are characteristic of water, with a view to making a correction and/or conversion.