

Australian/New Zealand Standard™

**Water safety signs and beach safety
flags**

**Part 1: Specifications for water safety
signs used in workplaces and public
areas (ISO 20712-1:2008, MOD)**



AS/NZS 2416.1:2010

This Joint Australian/New Zealand Standard was prepared by Joint Technical Committee CS-093, Water Safety Signs and Symbols. It was approved on behalf of the Council of Standards Australia on 8 November 2010 and on behalf of the Council of Standards New Zealand on 12 November 2010. This Standard was published on 1 December 2010.

The following are represented on Committee CS-093:

- A1 | Australian Chamber of Commerce and Industry
Australian Professional Ocean Lifeguards Association
Consumers Federation of Australia
Department of Environment, Climate Change and Water, NSW
Local Government and Shires Association, NSW
Marine Safety Victoria
Northern Territory Water Safety Advisory Council
Queensland Transport
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Water Safety New Zealand
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Australian/New Zealand Standard

Water safety signs and beach safety flags

Part 1: Specifications for water safety signs used in workplaces and public areas (ISO 20712-1:2008, MOD)

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PREFACE

This Standard was prepared by the Standards Australia/Standards New Zealand Committee CS-093, Water Safety Signs and Symbols to supersede (in part) AS 2416—2002, *Design and application of water safety signs* and (in part) NZS 8690:2003, *Water safety signage*.

This Standard incorporates Amendment No. 1 (March 2011). The changes required by the Amendment are indicated in the text by a marginal bar and amendment number against the clause, note, table, figure or part thereof affected.

This Standard is one of a series of three Standards as follows:

AS/NZS

2416 Water safety signs and beach safety flags

2416.1 Part 1: Specifications for water safety signs used in workplaces and public areas (ISO 20712-1:2008, MOD) (this Standard)

2416.2 Part 2: Specifications for beach safety flags—Colour, shape, meaning and performance (ISO 20712-2:2007, MOD)

2416.3 Part 3: Guidance for use

This Standard is an adoption with national modifications and has been reproduced from ISO 20712-1:2008, *Water safety signs and beach safety flags—Part 1: Specifications for water safety signs used in workplaces and public areas*.

Variations between ISO 20712-1:2008 and this Standard for application in Australia and New Zealand only, are set out in Appendix ZZ.

The major change to ISO 20712-1:2008, presented in Appendix ZZ, is the provision for the use in Australia and New Zealand of diamond-shaped warning signs as an alternative to the triangle-shaped signs shown in the body of the Standard. Users are free to use either the triangle or the diamond shape so long as there is consistency in the one context.

The number of this Standard is not reproduced on each page. Its identity is shown only on the cover and the title page.

For the purposes of this Standard, the text of ISO 20712-1:2008 should be modified as follows:

- (a) Substitute ‘Australian/New Zealand Standard’ for ‘part of ISO 20712’ wherever it occurs.
- (b) Substitute a full point (.) for a comma (,) as a decimal marker.

The normative references in Clause 2 have not been adopted as Australian/New Zealand 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.

CONTENTS

	<i>Page</i>
1	Scope 1
2	Normative references 1
3	Terms and definitions..... 2
4	Referents and categorization of water safety signs..... 2
4.1	General..... 2
4.2	Referent (safety meaning)..... 2
4.3	Categorization of water safety signs 4
5	Standardized water safety signs 5

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INTRODUCTION

There is a need to standardize a system giving safety information related to aquatic activity that relies as little as possible on the use of words to achieve understanding.

Continued growth in international trade, travel and mobility of labour requires a common method of communicating safety information.

Lack of standardization may lead to confusion and perhaps accidents.

The use of standardized safety signs does not replace proper work methods, instructions and accident prevention training and/or measures. Education is an essential part of any system that provides safety information.

This part of ISO 20712 is intended to be used by all Technical Committees within ISO charged with developing specific safety signing in places of aquatic activity to ensure that there is only one safety sign for each safety meaning. It is also intended that this part of ISO 20712 be revised regularly to include safety signs as they are standardized by ISO, and which conform to the principles given in ISO 3864-1 and the design criteria given in ISO 3864-3.

NOTE 1 Some countries' statutory regulations may differ in some respect from those given in this part of ISO 20712.

NOTE 2 Some countries may differ in some respect from the requirements given in this part of ISO 20712 in that they use the diamond geometric shape for warning signs.

AUSTRALIAN/NEW ZEALAND STANDARD

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IMPORTANT — The colours represented in the electronic file of this part of ISO 20712 can be neither viewed on screen nor printed as true representations. Although the copies of this part of ISO 20712 printed by ISO have been produced to correspond (with an acceptable tolerance as judged by the naked eye) to the requirements of ISO 3864-1, it is not intended that these printed copies be used for colour matching. Instead, consult ISO 3864-1, which provides colorimetric and photometric properties, together with, as a guideline, references from colour order systems.

1 Scope

This part of ISO 20712 prescribes water safety signs intended for use in conjunction with the aquatic environment. It is intended for use by owners and operators of aquatic environments and by manufacturers of signs and equipment. However, it is not applicable to signalling used for maritime traffic.

The shape and colour required to be used for safety signs, as prescribed by ISO 3864-1, are given together with the graphical symbols contained within each sign. The water safety sign originals meet the design criteria of ISO 3864-3.

This part of ISO 20712 specifies the water safety sign originals that may be scaled for reproduction and application purposes.

This part of ISO 20712 includes water safety signs which require that supplementary text signs be used in conjunction with these water safety signs to improve comprehension.

NOTE The criteria of acceptability adopted by ISO/TC 145/SC 2 are given on website www.iso.org/tc145/sc2.

2 Normative references

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

ISO 3864-1, *Graphical symbols — Safety colours and safety signs — Part 1: Design principles for safety signs in workplaces and public areas*

ISO 3864-3, *Graphical symbols — Safety colours and safety signs — Part 3: Design principles for graphical symbols for use in safety signs*

ISO 18657-1, *Graphical symbols — Test methods — Part 1: Methods for testing comprehensibility*

ISO 7724, *Graphical symbols — Vocabulary*