

Interim Australian Standard[®]

Amusement rides and devices

**Part 4.5: Specific requirements—
Waterborne inflatables**



This Interim Australian Standard® was prepared by Committee ME-051, Amusement Rides and Devices. It was approved on behalf of the Council of Standards Australia on 19 July 2012.

This Interim Standard was published on 6 August 2012.

The following are represented on Committee ME-051:

- Australian Amusement Association
 - Australian Amusement Leisure and Recreation Association
 - Consumers Federation of Australia
 - Department of Commerce, WorkSafe Division, WA
 - Department of Justice and Attorney General, Qld
 - Department of the Premier and Cabinet, SA
 - Engineers Australia
 - Kidsafe
 - University of Technology, Sydney
 - WorkCover New South Wales
 - WorkSafe Victoria
-

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

Keeping Standards up-to-date

Australian Standards® are living documents that reflect progress in science, technology and systems. To maintain their currency, all Standards are periodically reviewed, and new editions are published. Between editions, amendments may be issued.

Standards may also be withdrawn. It is important that readers assure themselves they are using a current Standard, which should include any amendments that may have been published since the Standard was published.

Detailed information about Australian Standards, drafts, amendments and new projects can be found by visiting www.standards.org.au

Standards Australia welcomes suggestions for improvements, and encourages readers to notify us immediately of any apparent inaccuracies or ambiguities. Contact us via email at mail@standards.org.au, or write to Standards Australia, GPO Box 476, Sydney, NSW 2001.

AS 3533.4.5(Int)—2012
(Incorporating Amendment No. 1)

Interim Australian Standard[®]

Amusement rides and devices

Part 4.5: Specific requirements— Waterborne inflatables

Originated as part of AS 3533—1988.
Previous edition in part as part of AS 3533.1—1997 and AS 3533.2—1997.
Revised and re-designated as AS 3533.4.5(Int)—2012.
Reissued incorporating Amendment No. 1 (April 2015).

COPYRIGHT

© Standards Australia Limited

All rights are reserved. No part of this work may be reproduced or copied in any form or by any means, electronic or mechanical, including photocopying, without the written permission of the publisher, unless otherwise permitted under the Copyright Act 1968.

Published by SAI Global Limited under licence from Standards Australia Limited, GPO Box 476, Sydney, NSW 2001, Australia

ISBN 978 1 74342 210 6

PREFACE

This Interim Standard was prepared by Standards Australia Committee ME-051, Amusement Rides and Devices. It was prepared to provide an Interim Standard that addressed the design and operation of waterborne inflatable (WBI) equipment and facilities.

This Standard incorporates Amendment No. 1 (April 2015). 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.

The objective of this Interim Standard is to provide designers, manufacturers, proprietors and operating staff with requirements and guidance specific to the design, construction, operation and maintenance of waterborne inflatable equipment and facilities that will protect health and safety of both operating staff and patrons of these devices.

This Interim Standard is part of a series designed to cover aspects of safety for amusement rides and devices. Parts 1 and 2 deal with the general aspects of safety common to all kinds of amusement rides and devices and are intended to be used in conjunction with the specific requirements for the particular type of ride. While some ride-specific requirements have been included in Parts 1 and 2, these are now being progressively moved into individual Standards in a new AS 3533.4 series. Parts in the AS 3533.4 series relate to particular rides or devices and give requirements and guidance tailored to the particular kinds of hazards relevant for that ride or device.

In the development of this Interim Standard, reference was made to EN 15649-1:2009. *Floating leisure articles for use on and in the water, Part 1: Classification materials, general requirements and test methods.*

Attention is drawn to the fact that this document is an Interim Australian Standard and should be regarded as a developmental Standard and liable to future alteration.

This Interim Standard will have a currency of two years from its date of publication. At the conclusion of that period it will be superseded by another Standard, confirmed as an interim Standard in its present form for a further two year period or withdrawn.

It should be noted that compliance with this Interim Standard alone does not necessarily ensure that all legal obligations are being fulfilled.

The terms 'normative' and 'informative' have been used in this Interim Standard to define the application of the appendix to which they apply. A 'normative' appendix is an integral part of a Standard, whereas an 'informative' appendix is only for information and guidance.

CONTENTS

| | <i>Page</i> |
|--|-------------|
| FOREWORD..... | 4 |
| 1 SCOPE..... | 5 |
| 2 REFERENCED DOCUMENTS | 5 |
| 3 DEFINITIONS | 6 |
| 4 CONTINUOUS AIR FLOW INFLATABLES | 7 |
| 5 ANCHORAGE..... | 8 |
| 6 STRUCTURAL INTEGRITY..... | 10 |
| 7 OPEN SIDES, ACCESS AND EGRESS..... | 10 |
| 8 CONTAINMENT..... | 11 |
| 9 WATER DEPTH..... | 11 |
| 10 ENTRAPMENT | 12 |
| 11 BLOWERS | 15 |
| 12 EMERGENCY EXIT | 15 |
| 13 INFORMATION TO BE PROVIDED BY THE MANUFACTURER AND SUPPLIER..... | 15 |
| 14 MARKING | 16 |
| 15 OPERATION, MAINTENANCE AND SUPERVISION OF WBIs | 17 |
| 16 INSPECTIONS | 18 |
| 17 MAINTENANCE..... | 20 |
| 18 SUPERVISION..... | 20 |
| 19 OPERATION | 20 |
| APPENDICES | |
| A BEAUFORT SCALE..... | 22 |
| B CALCULATION OF NUMBER OF ANCHORAGE POINTS..... | 23 |
| C TEST METHOD FOR GROUNDING..... | 25 |
| D POSSIBLE HAZARDS TO BE CONSIDERED FOR EACH WBI INSTALLATION..... | 27 |
| E SUGGESTED RULES OF PLAY TO BE CONSIDERED FOR EACH WBI INSTALLATION..... | 29 |

This is a free preview. Purchase the entire publication at the link below:

[Product Page](#)

-
- [Looking for additional Standards? Visit Intertek Inform Infostore](#)
 - [Learn about LexConnect, All Jurisdictions, Standards referenced in Australian legislation](#)
-