

Australian Standard[®]

Amusement rides and devices

Part 2: Operation and maintenance



This Australian Standard® was prepared by Committee ME-051, Amusement Rides and Devices. It was approved on behalf of the Council of Standards Australia on 9 July 2009. This Standard was published on 31 July 2009.

The following are represented on Committee ME-051:

- Australian Amusement Association
 - Australian Amusement Leisure and Recreation Association
 - Australian Chamber of Commerce and Industry
 - 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
 - Insurance Council of Australia
 - Kidsafe
 - Safety Institute of Australia
 - Showmen's Guild of Australasia
 - Workcover New South Wales
 - Worksafe Victoria
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This Standard was issued in draft form for comment as DR 05589.

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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AS 3533.2—2009
(Incorporating Amendment No. 1)

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PREFACE

This Standard was prepared by Joint Standards Australia/Standards New Zealand Committee ME-051, Amusement Rides and Devices, to supersede AS 3533.2—1997.

This Standard incorporates Amendment No. 1 (December 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 was prepared by the Australian members of the Joint Standards Australia/Standards New Zealand Committee, ME-051. After consultation with stakeholders in both countries, Standards Australia and Standards New Zealand decided to develop this Standard as an Australian Standard rather than an Australian/New Zealand Standard.

The objective of this Standard is to provide proprietors and operating staff with requirements and guidance for operation and maintenance of amusement rides and devices in order to protect the health and safety of both operating staff and patrons.

Originally developed from technical literature, existing regulations and guidelines, this Standard has been developed through the combined experience of the Committee and the organizations represented on it, along with contributions from several individuals and organizations having expert knowledge in those areas covered by this Standard. The Committee acknowledges the contributions made by those individuals and organizations and wishes to record its appreciation for their permission to include this material.

Major changes to the previous edition are as follows:

- (a) Reference to AS 3533.3 for the procedures for conducting any in-service inspections required by this Standard.
- (b) Introduction of requirements for daily inspections and test runs and major inspections for amusement rides and devices.
- (c) Expansion of requirements for records pertaining to the amusement ride or device, its inspection and maintenance in place of the information previously presented in AS 3533.2 Supp 1, *Amusement rides and devices, Part 2: Operation and maintenance*, Supplement 1: *Logbook*.
- (d) Expansion of requirements and guidance concerning bolts.
- (e) Relocation of expanded specific requirements for inflatable structures, particularly for their anchoring to prevent undue movement with wind changes, to a separate part in the AS 3533 series.
- (f) Relocation of specific requirements for roller coasters to a separate part in the AS 3533.
- (g) Removal of passenger ropeways and passenger conveyors from the scope of AS 3533.2.
- (h) Replacement of requirements concerning clearances from power lines with general guidance on the types of requirements implemented by regulatory authorities.

The Committee also intends to refer to a new Standard for flying foxes that is under preparation by Committee SF-047 Artificial Climbing Structures, to replace the requirements in Clause 4.9. When the new Standard is published, this Standard will be amended accordingly.

This Standard (AS 3533.2) was created to cater specifically for the proprietors and operating staff of amusement rides and devices by providing them with a set of guidelines for the day-to-day operation of such devices.

The occupational health and safety obligations laid out in AS 3533.1 for designers and manufacturers of amusement rides and devices are continued in this Part (AS 3533.2). This Part is intended essentially as a working document and ready reference for the proprietors and operating staff associated with both mobile and permanently installed devices.

The terms ‘normative’ and ‘informative’ have been used in this 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.

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