

Australian Standard[®]

Amusement rides and devices

**Part 4.4: Specific requirements—
Concession go-karts**



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 5 October 2011. This Standard was published on 22 December 2011.

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 (South Australia)
 - 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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PREFACE

This Standard was prepared by the Australian members of the Joint Standards Australia/Standards New Zealand Committee ME-051, Amusement Rides and Devices. After consultation with stakeholders in both countries, Standards New Zealand decided to develop this Standard as an Australian Standard rather than an Australian/New Zealand Standard.

This Standard supersedes parts of AS 3533.1, *Amusement rides and devices, Part 1: Design and construction*, and AS 3533.2, *Amusement rides and devices, Part 2: Operation and maintenance*. The superseded text has been removed by amendment, concurrently with the publication of this Standard.

This Standard complements the general requirements for amusement rides and devices specified in AS 3533.1 and AS 3533.2.

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

This 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.

This Standard references and modifies the requirements of ASTM F2007-7a—*Standard Practice for Design, Manufacture and Operation of Concession Go-Karts and Facilities*.

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

The term 'informative' has been used in this Standard to define the application of the appendix to which it applies. An 'informative' appendix is only for information and guidance.

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FOREWORD

At present, various persons have been assigned a duty of care in the Work Health and Safety (WHS) legislation in Australia.

This Foreword indicates how these duties can generally be interpreted and may provide an understanding of the basis for the requirements in this Standard.

Under WHS legislation, persons conducting a business or undertaking have a duty to ensure the safety of their workers and other people at the workplace. The operator of a concession go-kart facility therefore has a duty to ensure that participants and others present are not exposed to risks arising from the activities. This duty includes, as far as reasonably practicable, providing a safe and healthy work environment, safe plant and structures, safe systems of work and any information, training, instruction or supervision as necessary to protect persons from the conduct of the facility and its operation.

Persons conducting a business or undertaking also have a duty to consult with workers, not just employees, who carry out work for the business or undertaking who are, or are likely to be, directly affected by a matter relating to work health or safety.

Designers, manufacturers and suppliers of plant and structures also have duties to ensure, so far as is reasonably practicable, the plant (or structure) is safe and without risk when used for a purpose for which it was designed and manufactured. Additionally they need to provide information on the purpose and any conditions necessary to ensure it is safe when used, including maintenance and repair.

In addition to this Standard, readers are advised that legislation in their jurisdiction may also apply.

STANDARDS AUSTRALIA

Australian Standard

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Part 4.4: Specific requirements—Concession go-karts

A1 HOW TO USE THIS STANDARD

Reference to a copy of ASTM F2007-7a, *Standard Practice for Design, Manufacture and Operation of Concession Go-Karts and Facilities* is required for the application of this Australian Standard. This Australian Standard sets out variations and additions to ASTM F2007-7a. It does not include the content of the ASTM Standard. The requirements of ASTM F2007-7a apply unless they are modified or deleted by the Australian variations listed below.

A2 GENERAL REQUIREMENT

Concession go-kart design, manufacture, track design and operation shall comply with ASTM F2007-7a, varied in accordance with Section A3 below.

A3 VARIATIONS AND ADDITIONS TO ASTM F2007-7a

ASTM F2007-7a clause reference	Australian variation
Section 1 Scope	
1.1	<p><i>Add</i> the following before Clause 1.1:</p> <p>This Standard sets out requirements and guidance for the design, construction, operation, inspection, testing and maintenance of concession go-karts tracks and facilities in Australia as set out in ASTM F2007-7a Clauses 1.1, 1.2 and 1.3.</p>
Section 2 Referenced Documents	
2.1	<p><i>Delete</i> Clause 2.1 and <i>replace</i> with the following:</p> <p>Australian Standards</p> <p><i>AS 1668.2 The use of ventilation and airconditioning in buildings, Part 2: Ventilation design for indoor air contaminant control</i> (excluding requirements for the health aspects of tobacco smoke exposure)</p> <p><i>AS 1698 Protective helmets for vehicle users</i></p> <p><i>AS 1851 Maintenance of fire protection systems and equipment</i></p> <p><i>AS 1940 The storage and handling of flammable and combustible liquids</i></p> <p><i>AS 2444 Portable fire extinguishers and fire blankets—Selection and location</i></p>
2.2	<i>Delete</i> Clause 2.2 – not applicable in Australia.