

Australian Standard™

**Amusement rides and devices**

**Part 3: In-service inspection**

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 18 July 2003 and published on 21 August 2003.

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The following are represented on Committee ME-051:

Australian Amusement Association  
Australian Amusement Leisure and Recreation Association  
Australian Industry Group  
Australian Ski Areas Association  
Department for Administrative and Information Services, S.A.  
Department of Infrastructure, Energy and Resources, Tas.  
Department of Labour, New Zealand  
Institution of Engineers Australia  
Ministry of Economic Development, New Zealand  
Showmen's Guild of Australasia  
Victorian Showmen's Guild  
Victorian WorkCover Authority  
WorkCover New South Wales  
Worksafe Western Australia

Additional interests participating in the preparation of this Standard:

Inspection interests

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**Part 3: In-service inspection**

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## PREFACE

This Standard was prepared by the Joint Standards Australia/Standards New Zealand Committee ME-051, Amusement Rides and Devices, in response to a request from the Institution of Engineers, Australia. The Institution requested the Standard be prepared to outline what was required during the in-service inspection of an amusement ride or device so a set of competencies could be prepared for persons conducting such inspections and be used in a proposed accreditation scheme for inspection personnel.

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.

It should be noted that compliance with this Standard may not necessarily fulfil all legal obligations.

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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STANDARDS AUSTRALIA

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Part 3: In-service inspection

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## 1 SCOPE

This Standard specifies the basis for in-service inspection of amusement rides and devices. The activities of all those involved in the operational (day-to-day) inspection and checking of the ride or device, the regular inspections related to preventative maintenance and the periodic inspection of the equipment, along with the documentation thereof, are specified.

This Standard does not apply to the in-service inspection of passenger ropeways. See AS 3533.2 for requirements for passenger ropeways.

## 2 OBJECTIVE

The objective of this Standard is to establish formats for the systematic in-service inspection of amusement rides and devices for use by interested parties, including ride proprietors, supervisors and inspection personnel, to promote safety of rides and devices.

## 3 REFERENCED DOCUMENTS

The following documents are referred to in this Standard:

### AS

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|--------|--|
| 1065   | Non-destructive testing—Ultrasonic testing of carbon and low alloy steel forgings                                      |
| 1171   | Non-destructive testing—Magnetic particle testing of ferromagnetic products, components and structures                 |
| 1710   | Non-destructive testing—Ultrasonic testing of carbon and low alloy steel plate—Test methods and quality classification |
| 1851   | Maintenance of fire protection equipment   |
| 1851.1 | Part 1: Portable fire extinguishers and fire blankets  |
| 2062   | Non-destructive testing—Penetrant testing of products and components   |
| 2084   | Non-destructive testing—Eddy current testing of metal tubes  |
| 2177   | Non-destructive testing—Radiography of welded butt joints in metal (series)  |
| 2207   | Non-destructive testing—Ultrasonic testing of fusion welded joints in carbon and low alloy steel                       |
| 2452   | Non-destructive testing—Determination of thickness   |
| 2452.1 | Part 1: Determination of the wall thickness of pipe by the use of radiography  |
| 2452.3 | Part 3: Use of ultrasonic testing  |
| 2550   | Cranes, hoists and winches—Safe use (series)   |
| 2824   | Non-destructive testing—Ultrasonic methods—Evaluation and quality classification of metal bearing bonds                |
| 3507   | Non-destructive testing—Radiography of steel castings and classification of quality                                    |