



# FACT SHEET 004

## AMUSEMENT DEVICE SAFETY - KEY ISSUES

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### INTRODUCTION

This document has been prepared to provide Societies with a basic understanding of key safety issues that need to be addressed by amusement ride owners. This information is a guide only.

#### 1. Documentation required to be maintained by Ride Operators/Owners

- a) Ride has annual registration with Workplace Health and Safety Queensland (most rides other than inflatable's and coin-operated need registration)
- b) Design registration number marked on ride (can be from any State or Territory)
- c) Log books for each ride provided, up to date, include ride name and serial number
- d) Annual inspection sign off - completed within previous 13 months, states that the ride is safe, signed and lists competent person credentials (e.g. professional engineer membership number)
- e) Commissioning sign off by competent person - ride safe to use - mechanical, structural and electrical
- f) List of nominated ride operators and assistants - with responsibilities listed
- g) Evidence of training for operators and assistants
- h) Non-destructive testing (where applicable) satisfactorily completed within previous 13 months and where faults have been discovered, appropriately repaired by a competent person.
- i) Repairs to be noted in log book and signed off by competent person (i.e. professional engineer)
- j) Emergency procedures documented - malfunction, system isolation, assembly areas etc
- k) Incident recording system, including notification to WHSQ.

All the above documentation requirements have been included in the *National Audit Tool for Amusement Devices*. A copy of this tool can be downloaded from the Workplace health and Safety Queensland website. Ride owners should be encouraged to subject their rides to such an audit and provide evidence to the relevant Show Society (if not a member of the Showmen's Guild). Such evidence could be a copy of the completed audit document or an appropriate notation by a Government Inspector or third party inspecting engineer in the logbook of the ride.

#### 2. Access and location of Rides

- a) Ground is firm enough to support the ride (look for ride supports sinking, penetrations close to ride, underground services, adequate timbers/pads under ride feet, etc)

### FURTHER INFORMATION

Further information is available from [www.worksafe.qld.gov.au](http://www.worksafe.qld.gov.au) or by calling the Workplace Health and Safety Info-line on 1300 369 915.

- b) Adequate drainage for rain
- c) Ride to withstand windy conditions (inflatable's to be anchored to ground - anchor system to be documented)
- d) Suitable access for patrons (steps, ramps, head clearance, trip hazards, handrail, etc)
- e) Suitable access for operators (more frequent access areas need better control measures)
- f) Isolation of hazardous areas - fencing, gates and personnel to prevent access to danger zones
- g) Ride set up does not interfere with underground services
- h) Adequate access for emergency vehicles

#### 3. Electrical

- a) Extension leads and amusement devices connected by a plug to single phase supply: inspected, tested and tagged by competent person at least every 6 months,
- b) If a residual current device is provided on the ride, a record is to be kept of the "test button" operations AND the "trip current" test in accordance with AS/NZS 3760
- c) Adequate clearance from overhead power lines during set up, dismantling and operation - refer Electrical Safety Regulation 2002 (advisable to ensure at least 6 metres clearance)
- d) Any electrical repairs (other than at extra low voltage) to be carried out by licensed electrician or a competent person.

#### 4. General set-up

- a) Rider restraints provided and operational where applicable (where speed and movement of ride can cause ejection of patrons). This would have been verified in the National Audit.
- b) No obvious visual damage on ride
- c) Accessible drive systems guarded (chain/belt drives, gears, shafts and pulleys)
- d) Noise levels not excessive (i.e. should not exceed 85 dBA)
- e) Adequate lighting provided for patrons and operators
- f) Signage adequate (age/height restrictions, conditions of use etc.)
- g) If portable generators are used, adequate ventilation for engine fumes