This is a free page sample. Access the full version online.

1997 ed pts 1+2 FWD 971031

AS 3533—1988

WITHER WHI THE DECEMBER PATI 96 BY 46 3533.1\$2-1991

Australian Standard®

Amusement rides and devices

STANDARDS AUSTRALIA

This Australian Standard was prepared by Committee ME/51, Amusement Rides and Devices. It was approved on behalf of the Council of the Standards Association of Australia on 27 June 1988 and published on 12 September 1988.

The following interests are represented on Committee ME/51:

Australian Assembly of Fire Authorities Australian Permanent Ride Parks' Association Department of Employment and Industrial Affairs, Queensland Department of Industrial Relations and Employment, New South Wales Department of Labour, Victoria Department of Labour and Industry, Tasmania Department of Occupational Health, Safety and Welfare, Western Australia Institution of Engineers, Australia Metal Trades Industry Association of Australia Safety Institute of Australia Showmen's Guild of Australia

Review of Australian Standards. To keep abreast of progress in industry, Australian Standards are subject to periodic review and are kept up-to-date by the issue of amendments or new editions as necessary. It is important therefore that Standards users ensure that they are in possession of the latest edition, and

any amendments thereto.

Full details of all SAA publications will be found in the Catalogue of SAA Publications; this information is supplemented each month by SAA's journal 'The Australian Standard', which subscribing members receive, and which gives details of new publications, new editions and amendments, and of withdrawn

Victoria Showmen's Guild

Suggestions for improvements to Australian Standards, addressed to the head office of the Association, are welcomed. Notification of any inaccuracy or ambiguity found in an Australian Standard should be made without delay in order that the matter may be investigated and appropriate action taken.

AUSTRALIAN STANDARD

AMUSEMENT RIDES AND DEVICES

AS 3533—1988

First published as AS 3533-1988.

PUBLISHED BY STANDARDS AUSTRALIA (STANDARDS ASSOCIATION OF AUSTRALIA) 1 THE CRESCENT, HOMEBUSH, NSW 2140 AS 3533-1988

2

PREFACE

This Standard was prepared by the Association's Committee on Amusement Rides and Devices.

The need for a Standard became clear in November 1983 at a conference called by the Standards Association of Australia, at which the lack of uniform standards for safety in design, manufacturing, and erection were pointed out by State authorities, manufacturers, and operators.

As no equivalent Standards in other countries were known to the committee, this Standard was derived from technical literature, existing regulations, and guidelines, and the combined experience of the committee and organizations represented on it.

The committee acknowledges the contribution by the Royal Australian Air Force on the subject of the influence of acceleration on the human body (Appendix D) and wishes to record its appreciation for their permission to include this material.

A logbook is being issued as a supplement to this Standard. The purpose of the logbook is to enable a record to be kept, in a standardized manner, of the significant approvals, inspections, modifications, and maintenance exercises during the lifetime of the devices.

CONTENTS

		Page
SECTI	ON 1. SCOPE AND GENERAL	
1.1	SCOPE	
1.2	REFERENCED DOCUMENTS	5
1.3	DEFINITIONS	
SECTI	ON 2. DESIGN	
2.1	CLASSIFICATION	7
2.2	LOADS	7
2.3	BASIS OF DESIGN	10
2.4	STABILITY	10
2.5	STRUCTURAL MATERIALS	12
2.6	ANCILLARY MATERIALS	12
2.7		12
2.8		12
	BRAKING	13
	ELEVATING MECHANISMS	13
		13
	ON 3. MANUFACTURE AND CONSTRUCTION	
3.1	FINISH AND VEHICLE IDENTIFICATION	
3.2	DRIVING MECHANISMS	
3.3	ELECTRICAL	
3.4	LIGHTNING PROTECTION	15
	HYDRAULIC EQUIPMENT	16
3.6	PNEUMATIC EQUIPMENT	17
3.7	USE OF STEAM, HOT WATER, AND HEATED AIR	17
3.8	CLEARANCES	20
3.9	PROTECTION WHEN SLIDING, ROLLING, OR FALLING	20
3.10	SUSPENDED CHAIRS AND SUSPENSION JOINTS	20
3.11	SUSPENSION ROPES AND CHAINS	20
3.12	CONTROLS AND INDICATORS	20
3.13	CONTROL STATIONS	21
3.14	EXITS	21
3.15	WALKWAYS, STEPS, HANDRAILS, AND PLATFORMS	21
3.16	EMERGENCY DISEMBARKATION	21
3.17	FENCES AND BARRIERS	21
3.18	SAFETY INSTRUCTIONS AND SIGNS	21
	ON 4. SPECIFIC REQUIREMENTS	
	*	22
4.1	INFLATABLE STRUCTURES	22
4.2	TRAINS	22
4.3	ROLLER COASTERS	
4.4	AQUATIC AMUSEMENT DEVICES	
4.5	BOBSLEDS	27
4.6	AERIAL ROPEWAYS AND CHAIRLIFTS	28
4.7	COIN-OPERATED AMUSEMENT DEVICES	28
SECTIO	ON 5. TESTING	
5.1	GENERAL	29
5.2	LOAD TEST	29
5.3	OUT-OF-BALANCE TEST	29
5.4	ELECTRICAL TESTING	29
	CERTIFICATION	29



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

Product Page

- Dooking for additional Standards? Visit Intertek Inform Infostore
- Dearn about LexConnect, All Jurisdictions, Standards referenced in Australian legislation