

AS 19202.2:2021



Summer toboggan runs

**Part 2: Safety requirements for operation (ISO 19202-2:2017
(ED.1.0) MOD)**



AS 19202.2:2021

This Australian Standard ® was prepared by CS-101, Sports and recreational facilities and equipment. It was approved on behalf of the Council of Standards Australia on 06 August 2021.

This Standard was published on 20 August 2021.

The following are represented on Committee CS-101:

- Australian Chamber of Commerce and Industry
- Australian Competition and Consumer Commission
- Australian Industry Group
- Consumers' Federation of Australia
- Engineers Australia
- Institute of Public Works Engineering Australasia
- Kidsafe Australia
- Parks and Leisure Australia
- Play Australia
- Scouts Australia
- Sports and Recreation Victoria
- Sydney Children's Hospitals Network
- University of Technology Sydney

This Standard was issued in draft form for comment as DR AS 19202.2:2021.

Keeping Standards up-to-date

Ensure you have the latest versions of our publications and keep up-to-date about Amendments, Rulings, Withdrawals, and new projects by visiting:

www.standards.org.au

ISBN 978 1 76113 462 3

Summer toboggan runs

Part 2: Safety requirements for operation (ISO 19202-2:2017 (ED.1.0) MOD)

First published as AS 19202.2:2021.

COPYRIGHT

© ISO 2021 — All rights reserved
© Standards Australia Limited 2021

All rights are reserved. No part of this work may be reproduced or copied in any form or by any means, electronic or mechanical, including photocopying, without the written permission of the publisher, unless otherwise permitted under the Copyright Act 1968 (Cth).

Preface

This Standard was prepared by the Standards Australia Committee CS-101, Sports and recreational facilities and equipment.

The objective of this document is to specify operational requirements, signage, maintenance, repair, and modifications for summer toboggan runs and their components according to AS 19202.1.

This document is applicable to summer toboggan runs and major modification to summer toboggan runs and toboggans manufactured after the effective date of publication.

National rules on occupational safety and health first apply and they can be completed by this document.

This document is an adoption with national modifications, and has been reproduced from, ISO 19202-2:2017, *Summer toboggan runs — Part 2: Safety requirements for operation*. The modifications are additional requirements and are set out in [Appendix ZZ](#), which has been added at the end of the source text.

[Appendix ZZ](#) lists the variations to ISO 19202-2:2017 (ED.1) for the application of this document in Australia.

As this document has been reproduced from an International Standard, a full point substitutes for a comma when referring to a decimal marker.

Australian or Australian/New Zealand Standards that are identical adoptions of international normative references may be used interchangeably. Refer to the online catalogue for information on specific Standards.

The terms “normative” and “informative” are used in Standards to define the application of the appendices or annexes to which they apply. A “normative” appendix or annex is an integral part of a Standard, whereas an “informative” appendix or annex is only for information and guidance.

Contents

Preface	ii
Foreword	iv
1 Scope	1
2 Normative references	1
3 Terms and definitions	1
4 Requirements for the operator	2
4.1 Obligations of the operator	2
4.2 Implementation of a risk assessment for safe operation	2
4.3 Operating instructions	3
4.4 Requirements for the operating personnel to ensure the safety of the user	3
4.5 Documents	3
5 Requirements for operation	4
5.1 Operational commencement	4
5.2 Requirements during operation	4
5.3 Requirements for special operating states	5
5.4 Daily end of operation	5
5.5 Conveyance conditions	6
5.5.1 Preconditions for conveyance	6
5.5.2 General conveyance conditions	6
5.6 Rescue	7
6 Signs	7
6.1 General	7
6.2 Minimum signage	7
6.2.1 Additional signage	8
7 Maintenance, repair and modifications	8
7.1 General	8
7.2 Maintenance	8
7.3 Repair	8
7.4 Modifications	8
7.5 Course care	9
8 Environmental aspects	9
Annex A (normative) Minimum signage — Safety signs/Combination signs	10
Annex B (informative) Example of a risk analysis — Help for actions	16
Annex C (informative) Example of an operational logbook	27
Bibliography	32
Appendix ZZ (normative) Variations to ISO 19202-2:2017 (ED.1) for Australia	33

Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

The procedures used to develop this document and those intended for its further maintenance are described in the ISO/IEC Directives, Part 1. In particular, the different approval criteria needed for the different types of ISO documents should be noted. This document was drafted in accordance with the editorial rules of the ISO/IEC Directives, Part 2 (see www.iso.org/directives).

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. ISO shall not be held responsible for identifying any or all such patent rights. Details of any patent rights identified during the development of the document will be in the Introduction and/or on the ISO list of patent declarations received (see www.iso.org/patents).

Any trade name used in this document is information given for the convenience of users and does not constitute an endorsement.

For an explanation on the voluntary nature of standards, the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the World Trade Organization (WTO) principles in the Technical Barriers to Trade (TBT) see the following URL: www.iso.org/iso/foreword.html.

This document was prepared by Technical Committee ISO/TC 83, *Sports and other recreational facilities and equipment*.

A list of all parts in the ISO 19202 series can be found on the ISO website.

Australian Standard®

Summer toboggan runs

Part 2: Safety requirements for operation (ISO 19202-2:2017 (ED.1.0) MOD)

1 Scope

This document specifies operational requirements, signage, maintenance, repair and modifications for summer toboggan runs and their components according to ISO 19202-1.

This document is applicable to summer toboggan runs and major modification to summer toboggan runs and toboggans manufactured after the effective date of publication.

National rules on occupational safety and health first apply and they can be completed by this document.

2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

ISO 3864-1, *Graphical symbols — Safety colours and safety signs — Part 1: Design principles for safety signs and safety markings*

ISO 3864-3, *Graphical symbols — Safety colours and safety signs — Part 3: Design principles for graphical symbols for use in safety signs*

ISO 7010, *Graphical symbols — Safety colours and safety signs — Registered safety signs*

ISO 19202-1:2017, *Summer toboggan runs — Part 1: Safety requirements and test methods*

ISO/IEC Guide 51, *Safety aspects — Guidelines for their inclusion in standards*

3 Terms and definitions

For the purposes of this document, the terms and definitions given in ISO 19202-1 and ISO/IEC Guide 51 and the following apply.

ISO and IEC maintain terminological databases for use in standardization at the following addresses:

- IEC Electropedia: available at <http://www.electropedia.org/>
- ISO Online browsing platform: available at <http://www.iso.org/obp>

3.1

operator

natural or legal person/organization who is responsible for operation of the summer toboggan run

3.2

person responsible for operation

suitable person who is appointed by the *operator* (3.1) and who is responsible for operational procedures

3.3

operating personnel

suitable person(s), who is (are) responsible for the operation, maintenance and repair of the technical equipment as well as ensuring proper ride service

Note 1 to entry: The operating personnel can also be the *person responsible for operation* (3.2).