

COMMITTEE CS-005

**DR AS 4685.11 CP**

(Project ID: 100436)

# **Combined Postal Ballot/Draft for Public Comment Australian Standard**

LIABLE TO ALTERATION—DO NOT USE AS A STANDARD

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**BEGINNING DATE** 13 December 2011  
**FOR COMMENT:**

**CLOSING DATE** 24 January 2012  
**FOR COMMENT:**

***Important: The procedure for public comment has changed – please read the instructions on the inside cover of this document.***

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**Playground equipment  
Part 11: Additional specific safety requirements and  
test methods for spatial network**

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**STANDARDS**  
Australia

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## **Draft for Public Comment Australian Standard**

The committee responsible for the issue of this draft comprised representatives of organizations interested in the subject matter of the proposed Standard. These organizations are listed on the inside back cover.

Comments are invited on the technical content, wording and general arrangement of the draft.

The method for submission of comment on this document is to register and fill in an online form via Standards Hub Website. Instructions and examples of comment submission are available on the website. Please use the following link—

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Please place relevant clause numbers beside each comment.

Editorial matters (i.e. spelling, punctuation, grammar etc.) will be corrected before final publication.

The coordination of the requirements of this draft with those of any related Standards is of particular importance and you are invited to point out any areas where this may be necessary.

Please provide supporting reasons and suggested wording for each comment. Where you consider that specific content is too simplistic, too complex or too detailed please provide an alternative.

If the draft is acceptable without change, an acknowledgment to this effect would be appreciated.

Once you have registered and submitted your comments via the online form, your comments are automatically submitted to the committee for review.

Normally no acknowledgment of comment is sent. All comments received via the Standards Hub Website by the due date will be reviewed and considered by the relevant drafting committee. We cannot guarantee that comments submitted in other forms will be considered along with those submitted via the Standards Hub online form. Where appropriate, changes will be incorporated before the Standard is formally approved.

If you know of other persons or organizations that may wish to comment on this draft Standard, could you please advise them of its availability. Further copies of the draft are available from the Publisher SAI Global at <http://www.saiglobal.com/>

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**Draft for Public Comment**

STANDARDS AUSTRALIA

Committee CS-005—Playground Equipment

**DRAFT**

**Australian Standard**

Playground equipment

Part 11: Additional specific safety requirements and test methods for spatial network

(To be AS 4685.11—201X)

Comment on the draft is invited from people and organizations concerned with this subject. It would be appreciated if those submitting comment would follow the guidelines given on the inside front cover.

***Important: The procedure for public comment has changed – please read the instructions on the inside cover of this document***

This document is a draft Australian Standard only and is liable to alteration in the light of comment received. It is not to be regarded as an Australian Standard until finally issued as such by Standards Australia.

## PREFACE

This Standard was prepared by the Standards Australia Committee CS-005, Playground Equipment.

This Standard is an adoption with national modifications and has been reproduced from EN 1176-11:2008, *Playground equipment and surfacing—Part 11: Additional specific safety requirements and test methods for spatial network* and has been varied as set out in Appendix ZZ to take account of Australian conditions.

The objective of this Standard is to provide Australian designers and operators of children's playground equipment with additional specific safety requirements and test methods for spatial networks, to enhance safety levels for children using this equipment.

As this Standard is reproduced from an International Standard, the following applies:

- (a) Its number appears on the cover and title page while the European Standard number appears only on the cover.
- (b) A full point substitutes for a comma when referring to a decimal marker.

References to International Standards should be replaced by references to Australian or Australian/New Zealand Standards, as follows:

### *Reference to International Standard*

EN

1176 Playground equipment and surfacing  
1176-1 Part 1: General safety requirements and test methods

### *Australian Standard*

AS

4685 Playground equipment  
4685.1 Part 1: General safety requirements and test methods

The term 'normative' has been used in this Standard to define the application of the appendix to which it applies. A 'normative' appendix is an integral part of a Standard.

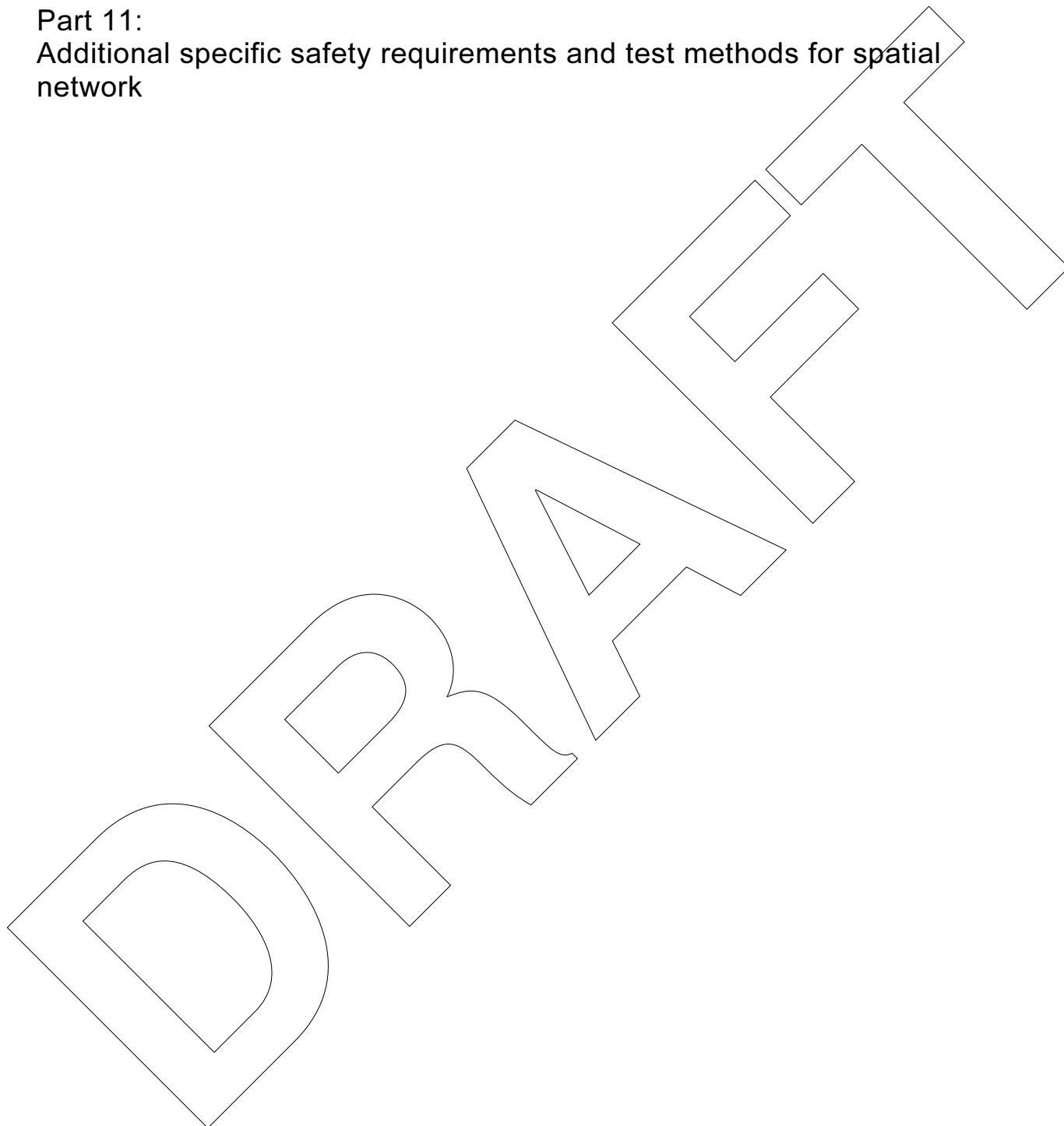
## CONTENTS

DRAFT

## AUSTRALIAN STANDARD

**Playground equipment**

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network



## APPENDIX ZZ

### VARIATIONS TO EN 1176-11:2008 FOR AUSTRALIA

(Normative)

This Appendix provides variations between this Standard and EN 1176-11:2008.

#### Scope

*Add new paragraph after the first paragraph:*

This Standard is not applicable to planar nets, including an assembly of two or more planar nets or planar elements of mixed mode structures. For guidance on planar nets and elements, see AS 4685.1.

#### Clause 3.1

Note 2:

*Delete* reference to EN 1176-1:2008, 3.2 and *replace* with AS 4685.1:2004 cl 1.5.4.

#### Figure 1 c)

*Delete* figure.

#### Clause 3.2

*Delete* clause.

#### Clause 4.2

*Delete* clause.

#### Figure 4

*Delete* figure.

#### Clause 4.3

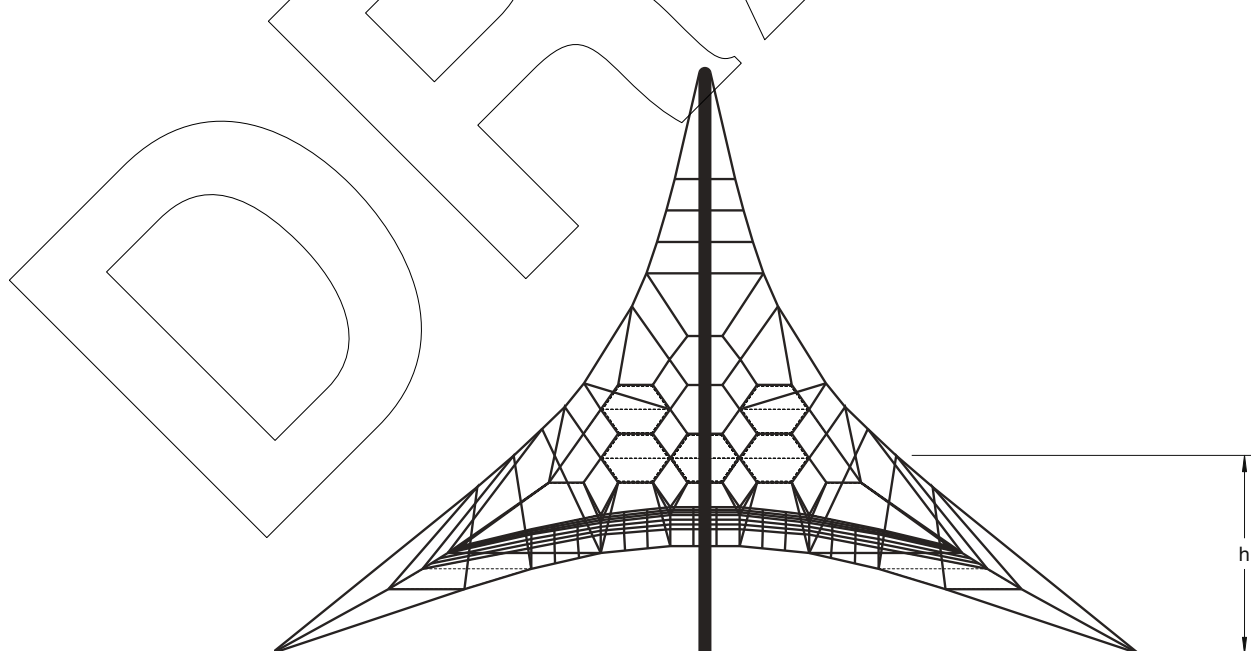
*Delete* reference to EN 1176-1:2008, 4.2.8.1 and *replace* with AS 4685.1:2004 cl 2.2.8.4.

*Add* Note 3:

NOTE 3: Due to the possibility of users jumping from spatial nets, a risk assessment should be conducted to determine the need to extend the fall zone and/or to enhance the impact attenuating properties of the playground surfacing.

#### Figure 5

*Delete* Figure 5 a) and *replace* with new figure:



**Table 1** *Delete note and replace with:*

NOTE: This table shows mathematical ratios that relate only to the structure. Appropriate impact attenuating surface materials are required on any surrounding impact area.

**Clause 4.4** *Delete first paragraph.*

**Clause 4.5** *Add new Clause.*

#### **4.5 Secondary support system**

Where the structural integrity of the spatial net could be compromised by the failure of any one anchoring point there shall be secondary means of supporting the spatial net to prevent collapse.

**Clause 5** *Delete Clause 5 and replace with the following:*

Test reports shall be in accordance with the following:

- a) test report regarding compliance with AS 4685.11;
- b) certification of conformity with the relevant requirements of AS 4685.1 and AS 4685.11;
- c) the number and date of this Australian Standard, ie. AS 4685.11:2012;
- d) details of the equipment tested;
- e) details of the condition of the equipment including any defects observed before the test;
- f) details of any change in the condition of the equipment observed after the tests; and
- g) test results.

**Clause 6** *Delete reference to EN 1176-1:2008, Clause 7 and replace with AS 4685.1:2004 Section 4.*

## **PREPARATION OF JOINT AUSTRALIAN/NEW ZEALAND STANDARDS**

Joint Australian/New Zealand Standards are prepared by a consensus process involving representatives nominated by organizations in both countries drawn from all major interests associated with the subject. Australian/New Zealand Standards may be derived from existing industry Standards, from established international Standards and practices or may be developed within a Standards Australia, Standards New Zealand or joint technical committee.

During the development process, Australian/New Zealand Standards are made available in draft form at all sales offices and through affiliated overseas bodies in order that all interests concerned with the application of a proposed Standard are given the opportunity to submit views on the requirements to be included.

The following interests are represented on the committee responsible for this draft Australian/ New Zealand Standard:

Australian Industry Group  
Australian Institute of Landscape Architects  
Department of Education and Children's Services  
Department of Health (South Australia)  
Early Childhood Australia Inc  
Engineers Australia  
Institute of Public Works Engineering Australia  
Kidsafe  
National Association of Testing Authorities Australia  
Play Australia  
Playtest  
Occupational Therapy Australia  
Royal Childrens Hospital  
The Play Equipment Importers and Exporters

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