



BSI Standards Publication

**Sports and other recreational facilities and equipment - Injury and safety definitions and thresholds - Guidelines for their inclusion in standards (ISO/TR 20183:2015)**

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## National foreword

This Published Document is the UK implementation of CEN ISO/TR 20183:2017. It is identical to ISO/TR 20183:2015. It supersedes PD ISO/TR 20183:2015, which is withdrawn.

The UK participation in its preparation was entrusted to Technical Committee SW/136, Sports, playground and other recreational equipment.

A list of organizations represented on this committee can be obtained on request to its secretary.

This publication does not purport to include all the necessary provisions of a contract. Users are responsible for its correct application.

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31 October 2017	This corrigendum renumbers PD ISO/TR 20183:2015 as PD CEN ISO/TR 20183:2017
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TECHNICAL REPORT

**CEN ISO/TR 20183**

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English Version

**Sports and other recreational facilities and equipment -  
Injury and safety definitions and thresholds - Guidelines  
for their inclusion in standards (ISO/TR 20183:2015)**

Installations et équipement de sport et autres activités  
de loisirs - Seuil et définitions des dommages et  
sécurité - Lignes directrices pour leur inclusion dans  
les normes (ISO/TR 20183:2015)

Sport- und andere Freizeiteinrichtungen und -geräte -  
Definitionen und Schwellenwerte für Verletzungen und  
Sicherheit - Leitfaden für deren Einbeziehung in  
Normen (ISO/TR 20183:2015)

This Technical Report was approved by CEN on 14 August 2017. It has been drawn up by the Technical Committee CEN/TC 136.

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COMITÉ EUROPÉEN DE NORMALISATION  
EUROPÄISCHES KOMITEE FÜR NORMUNG

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## **European foreword**

The text of ISO/TR 20183:2015 has been prepared by Technical Committee ISO/TC 83 “Sports and other recreational facilities and equipment” of the International Organization for Standardization (ISO) and has been taken over as CEN ISO/TR 20183:2017 by Technical Committee CEN/TC 136 “Sports, playground and other recreational facilities and equipment” the secretariat of which is held by DIN.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CEN shall not be held responsible for identifying any or all such patent rights.

## **Endorsement notice**

The text of ISO/TR 20183:2015 has been approved by CEN as CEN ISO/TR 20183:2017 without any modification.

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## 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](http://www.iso.org/directives)).

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For an explanation on the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the WTO principles in the Technical Barriers to Trade (TBT) see the following URL: [Foreword - Supplementary information](#)

The committee responsible for this document is ISO/TC 83, *Sports and other recreational facilities and equipment*.

## **Introduction**

Products need to be safely constructed, produced, and maintained covering a reasonable foreseeable misuse/intended use evaluated by the manufacturer. Any areas of risk have to be defined and precautions taken. Nevertheless, the use of the equipment or activities with this equipment on sports or playgrounds will create a residual risk related to the individual user. This has to be evaluated by a risk assessment and reduced to an acceptable or tolerable risk of performance. The result of this evaluation may deviate by age and social grouping.

# Sports and other recreational facilities and equipment — Injury and safety definitions and thresholds — Guidelines for their inclusion in standards

## 1 Scope

This Technical Report provides standards writers with guidelines for the inclusion of injury and safety definitions and thresholds to be applied in the development of ISO/TC 83 standards. It is intended to contribute to harmonization of the language and understanding safety of products/procedures as well as to comply with Directive 2001/95/EC on general product safety requirements.

## 2 Terms and definitions

For the purposes of this document, the following terms and definitions apply.

### 2.1

#### **safe**

state of being protected from recognized hazards that are likely to cause harm

### 2.2

#### **safety**

freedom from unacceptable risk, but not *safe* (2.1)

Note 1 to entry: Safety is achieved by reducing risk to a tolerable level.

Note 2 to entry: There is no complete absence of risk. In turn, there is no product or system that is without some risk which shall be reduced to a *tolerable risk* (2.8).

### 2.3

#### **risk**

combination of the probability of occurrence of harm and the severity of that harm

Note 1 to entry: The probability of occurrence includes the exposure to a *hazardous situation* (2.7), the occurrence of a *hazardous event* (2.6), and the possibility to limit the harm.

### 2.4

#### **harm**

injury or damage to the health of people or damage to property or the environment

### 2.5

#### **hazard**

potential source of *harm* (2.4)

### 2.6

#### **hazardous event**

event to result in *harm* (2.4)

### 2.7

#### **hazardous situation**

circumstances in which people, property or the environment are exposed to one or more hazards