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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)

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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.

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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

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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