



BSI Standards Publication

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

National foreword

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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.

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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.

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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