



BSI Standards Publication

Safety of amusement rides and amusement devices

Part 3: Requirements for inspection during design,
manufacture, operation and use

This is a preview of BS EN 13814-3:2019+A1:2024. [Click here to purchase the full version from the ANSI store.](#)

National foreword

This British Standard is the UK implementation of EN 13814-3:2019+A1:2024. It supersedes BS EN 13814-3:2019, which is withdrawn.

The start and finish of text introduced or altered by amendment is indicated in the text by tags. Tags indicating changes to CEN text carry the number of the CEN amendment. For example, text altered by CEN amendment A1 is indicated by A1 A1.

The UK participation in its preparation was entrusted to Technical Committee MCE/3/4, Fairground and amusement park machinery and structures - Safety.

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

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English Version

Safety of amusement rides and amusement devices - Part 3: Requirements for inspection during design, manufacture, operation and use

Sécurité des manèges et des dispositifs de
divertissement - Partie 3 : Exigences relatives à
l'inspection pendant la conception, fabrication et
fonctionnement

Sicherheit von Fahrgeschäften und
Vergnügungsanlagen - Teil 3: Anforderungen an die
Überprüfung während Konstruktion, Bemessung,
Herstellung, Betrieb und Gebrauch

This European Standard was approved by CEN on 13 May 2018 and includes Amendment 1 approved by CEN on 7 June 2024.

CEN members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration. Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the CEN-CENELEC Management Centre or to any CEN member.

This European Standard exists in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CEN member into its own language and notified to the CEN-CENELEC Management Centre has the same status as the official versions.

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COMITÉ EUROPÉEN DE NORMALISATION
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European foreword

This document (EN 13814-3:2019+A1:2024) has been prepared by Technical Committee CEN/TC 152 “Fairground and amusement park machinery and structures - Safety”, the secretariat of which is held by UNI.

This European Standard shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by January 2025, and conflicting national standards shall be withdrawn at the latest by July 2027.

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.

This document includes Amendment 1 approved by CEN on 7 June 2024.

This document A1 supersedes EN 13814-3:2019 A1.

The start and finish of text introduced or altered by amendment is indicated in the text by tags A1 A1.

EN 13814 consists of the following parts, under the general title “Safety of amusement rides and amusement devices”

- *Part 1: Design and Manufacture*
- *Part 2: Operation, Maintenance and Use*
- *Part 3: Requirements for inspection during design, manufacture, operation and use*

According to the CEN-CENELEC Internal Regulations, the national standards organisations of the following countries are bound to implement this European Standard: Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, Former Yugoslav Republic of Macedonia, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and the United Kingdom.

1 Scope

This part of EN 13814 defines requirements for the necessary independent inspections of amusement devices designed, manufactured, operated and used according to EN 13814-1:2019 and EN 13814-2:2019.

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.

EN 13814-1:2019, *Safety of amusement rides and amusement devices — Part 1: Design and manufacture*

EN 13814-2:2019, *Safety of amusement rides and amusement devices — Part 2: Operation, maintenance and use*

EN 60204-1, *Safety of machinery - Electrical equipment of machines - Part 1: General requirements*

EN ISO 9712, *Non-destructive testing - Qualification and certification of NDT personnel (ISO 9712:2012)*

EN ISO/IEC 17020, *Conformity assessment — Requirements for the operation of various types of bodies performing inspection (ISO/IEC 17020)*

3 Terms and definition

For the purposes of this document, the terms and definitions given in EN 13814-1:2019 and EN 13814-2:2019 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>

4 Requirements

4.1 Initial approval - Procedures

4.1.1 General

The initial approval of any amusement device consists of review, inspections and tests to be carried out as follows.

The inspection body performing the initial approval shall operate in accordance with EN ISO/IEC 17020.

All safety-relevant design documents as well as the completed amusement device shall be subjected to review and inspection. After a successful inspection, a document confirming compliance with EN 13814-1:2019 and EN 13814-3:2019 may be issued.

The results of the various reviews, inspections and tests shall become an integral part of the amusement device log.

The initial approval of the amusement device shall comprise:

- a) design review;