

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

## EESTI STANDARDI EESSÕNA

## NATIONAL FOREWORD

<p>See Eesti standard EVS-EN 13814-3:2019+A1:2024 sisaldab Euroopa standardi EN 13814-3:2019+A1:2024 ingliskeelset teksti.</p> <p>Standard on jõustunud sellekohase teate avaldamisega EVS Teatajas.</p> <p>Euroopa standardimisorganisatsioonid on teinud Euroopa standardi rahvuslikele liikmetele kättesaadavaks 24.07.2024.</p> <p>Standard on kättesaadav Eesti Standardimis- ja Akrediteerimiskeskusest.</p>	<p>This Estonian standard EVS-EN 13814-3:2019+A1:2024 consists of the English text of the European standard EN 13814-3:2019+A1:2024.</p> <p>This standard has been endorsed with a notification published in the official bulletin of the Estonian Centre for Standardisation and Accreditation.</p> <p>Date of Availability of the European standard is 24.07.2024.</p> <p>The standard is available from the Estonian Centre for Standardisation and Accreditation.</p>
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EUROPEAN STANDARD

EN 13814-3:2019+A1

NORME EUROPÉENNE

EUROPÄISCHE NORM

July 2024

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Supersedes EN 13814-3:2019

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.

CEN members are the national standards bodies of Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Republic of North Macedonia, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Türkiye and United Kingdom.



EUROPEAN COMMITTEE FOR STANDARDIZATION  
COMITÉ EUROPÉEN DE NORMALISATION  
EUROPÄISCHES KOMITEE FÜR NORMUNG

CEN-CENELEC Management Centre: Rue de la Science 23, B-1040 Brussels

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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 <sup>A1</sup> supersedes EN 13814-3:2019 <sup>A1</sup>.

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

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;