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**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*



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# Contents

	Page
<b>Foreword</b> .....	<b>iv</b>
<b>1 Scope</b> .....	<b>1</b>
<b>2 Normative references</b> .....	<b>1</b>
<b>3 Terms and definitions</b> .....	<b>1</b>
<b>4 Requirements</b> .....	<b>1</b>
4.1 Initial Approval — Procedures.....	1
4.1.1 General.....	1
4.1.2 Review of design documents.....	2
4.1.3 Inspection of manufacturing process.....	2
4.2 In-service inspection (periodical test).....	4
4.2.1 General.....	4
4.2.2 Inspection process.....	4
4.2.3 Electrical equipment.....	5
4.2.4 Report.....	6
<b>Bibliography</b> .....	<b>7</b>

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

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. ISO shall not be held responsible for identifying any or all such patent rights. Details of any patent rights identified during the development of the document will be in the Introduction and/or on the ISO list of patent declarations received. [www.iso.org/patents](http://www.iso.org/patents)

Any trade name used in this document is information given for the convenience of users and does not constitute an endorsement.

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 254, *Safety of amusement rides and amusement devices*.

ISO 17842 consists of the following parts, under the general title *Safety of amusement rides and amusement devices*:

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

# Safety of amusement rides and amusement devices —

## Part 3:

# Requirements for inspection during design, manufacture, operation and use

## 1 Scope

This part of ISO 17842 defines requirements for the necessary inspections, in accordance with ISO/IEC 17020, of amusement devices designed, manufactured, operated and used according to ISO 17842-1 and ISO 17842-2.

## 2 Normative references

The following referenced documents are indispensable for the application 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.

ISO 9712, *Non-destructive testing — Qualification and certification of NDT personnel*

ISO 17842-1, *Safety of amusement rides and amusement devices — Part 1: Design and manufacture*

ISO 17842-2, *Safety of amusement rides and amusement devices — Part 2: Operation and use*

ISO/TS 17929, *Biomechanical effects on amusement ride passengers*

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

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

## 3 Terms and definitions

For the purposes of this document, the terms and definitions given in ISO 17842-1, ISO 17842-2 and ISO/IEC 17020 apply.

## 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 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 ISO 17842-1 may be issued.

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