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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

Reference number
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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.

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 (see 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 (see www.iso.org/patents).

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For an explanation of the voluntary nature of standards, the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the World Trade Organization (WTO) principles in the Technical Barriers to Trade (TBT), see www.iso.org/iso/foreword.html.

This document was prepared by Technical Committee ISO/TC 254, *Safety of amusement rides and amusement devices.*

This second edition cancels and replaces the first edition (ISO 17842-3:2015), which has been technically revised.

The main changes are as follows:

— references to ISO/TS 17929 have been removed;

— a reference to ISO 17842-1 has been added to 4.1.2, Review of design documents

— point g has been added to 4.1.3.1 Description;

— 4.1.3.3, Initial inspection and testing, has been updated;

— 4.2, Pre-use inspection and review – Procedures, has been added;

— 4.4, Installation examination, has been added;

A list of all parts in the ISO 17842 series can be found on the ISO website.

Any feedback or questions on this document should be directed to the user's national standards body. A complete listing of these bodies can be found at www.iso.org/members.html.

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Safety of amusement rides and amusement devices —

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

1 Scope

This document specifies the minimum requirements necessary for the independent inspections of amusement devices designed, manufactured, operated and used according to ISO 17842-1 and ISO 17842-2.

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.

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/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.

ISO and IEC maintain terminology databases for use in standardization at the following addresses:

— ISO Online browsing platform: available at https://www.iso.org/obp

— IEC Electropedia: available at https://www.electropedia.org/

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.

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