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Safety of toys – Part 9: Safety aspects related to mechanical and physical properties – Comparison of ISO 8124-1, EN 71-1 and ASTM F963

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TECHNICAL ISO/TR

Second edition
2020-03-31

Safety of toys —

Part 9: Safety aspects related to mechanical and physical properties — Comparison of ISO 8124-1, EN 71-1 and ASTM F963

Sécurité des jouets —

Partie 9: Aspects de sécurité relatifs aux propriétés mécaniques et physiques — Comparaison entre l'ISO 8124-1, l'EN 71-1 et l'ASTM F963

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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 181, *Safety of toys*.

This second edition cancels and replaces the first edition (ISO/TR 8124-9:2018), which has been technically revised. The main changes to the previous edition are detailed in Annex C.

A list of all parts in the ISO 8124 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.

Introduction

The purpose of this document is to compare and contrast the identified versions of ASTM F963:2017, EN 71-1:2014+A1:2018 and ISO 8124-1:2018. This document focuses on the contents of these three referenced standards as they relate to mechanical and physical properties including scope, definitions, general requirements, warnings and test methods.

For ease of use and readability, ISO 8124-1:2018, Clause 4 is listed in Clause 6 of this document. For example, ISO 8124-1:2018, 4.3 relates to 6.4 of this document.

This document is an overview and, therefore, does not cover the entirety of all the differences between ISO 8124-1, ASTM F963 and EN 71-1. In addition, this document is not to be relied on to fully understand conformity with any of the referenced standards or the requirements within them. In the case of any discrepancies in the comparisons presented, please refer to the relevant clauses of the referenced standards.

The index of requirements in EN 71-1 is given in Annex A.

The index of requirements in ASTM F963 is given in Annex B.

Safety of toys —

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1 Scope

This document consists of a comparison of the mechanical and physical requirements covered by the following toy safety standards:

a) ISO: ISO 8124-1:2018;

b) Europe (CEN): EN 71-1:2014+A1:2018;

c) USA: ASTM F963:2017.

2 Normative references

There are no normative references in this document.