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Safety of toys - Mechanical and physical properties - Guidance on categorisation of projectile toys within EN 71-1

Einstufung von Geschossspielzeug nach EN 71-1, Sicherheit von Spielzeug - Teil 1: Mechanische und physikalische Eigenschaften

This Technical Report was approved by CEN on 24 October 2021. It has been drawn up by the Technical Committee CEN/TC 52.

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European foreword

This document (CEN/TR 17695:2021) has been prepared by Technical Committee CEN/TC 52 “Safety of toys”, the secretariat of which is held by DS.

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Introduction

The purpose of this document is to assist users of EN 71-1 with the categorization of *projectile* toys under Clause 4.17 of that standard. This document looks at various types of toys, commonly available in the market and indicates under which part of 4.17 they should be assessed.

Various types of *projectile* launching products will not be considered toys (for example, a catapult used for angling), further guidance on the categorization of toy products can be found in EU commission Explanatory guidance document. This document makes no comment on whether a product or type of product is defined as a toy or since this remains a decision of whether a product is covered by the legal scope of the Toy Safety Directive.

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1 Scope

This document gives guidelines for the categorization of projectile toys to assist users of the EN 71-1 standard.

This document is applicable to *projectiles* and *discharge mechanisms* addressed by EN 71-1. This document does not apply to other toys.

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 71-1:2014+A1:2018, *Safety of toys - Part 1: Mechanical and physical properties*

3 Terms and definitions

For the purposes of this document, the following terms and definitions given in EN 71-1:2014+A1:2018 apply.

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

- IEC Electropedia: available at https://www.electropedia.org/
- ISO Online browsing platform: available at https://www.iso.org/obp

3.1
arrow
projectile in the form of a shaft with a total length of 150 mm or more, intended to be discharged from a bow held by a user

[SOURCE: EN 71-1:2014+A1:2018, 3.2]

3.2
dart
projectile in the form of a shaft with a total length less than 150 mm that is intended to be blown by the mouth or thrown

[SOURCE: EN 71-1:2014+A1:2018, 3.17]

3.3
discharge mechanism
component(s) of the toy which releases or propels the *projectile* into *free flight*

[SOURCE: EN 71-1:2014+A1:2018, 3.18]

3.4
free flight
unconstrained travel through the air

Note 1 to entry: This will include portions of unconstrained travel that may ultimately be constrained by means of a tether.

[SOURCE: EN 71-1:2014+A1:2018, 3.30]

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