SLOVENSKI STANDARD
oSIST prEN 18462:2026

01-december-2026

Pohištvo - Krožnost - Metoda vrednotenja zmožnosti za vzdrževanje, popravilo in obnovo

Furniture - Circularity - Evaluation method for maintenance, repair and refurbishing capability

Möbel - Kreislauffähigkeit - Bewertungsmethode für Wartungs-, Reparatur- und Aufarbeitungsfähigkeit

Mobilier - Circularité - Méthode d'évaluation de la capacité d'entretien, de reparartion et de remise à neuf

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ICS:

97.140	Pohištvo	Furniture

oSIST prEN 18462:2026 **en,fr,de**

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EUROPEAN STANDARD

NORME EUROPÉENNE

EUROPÄISCHE NORM

DRAFT
prEN 18462

December 2026

ICS

English Version

Furniture - Circularity - Evaluation method for maintenance, repair and refurbishing capability

Mobilier - Circularité - Méthode d'évaluation de la capacité d'entretien, de reparartion et de remise à neuf

Möbel - Kreislauffähigkeit - Bewertungsmethode für Wartungs-, Reparatur- und Aufarbeitungsfähigkeit

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European foreword

This document (prEN 18462) has been prepared by Technical Committee CEN/TC 207 Furniture.

This document is currently submitted to the CEN Enquiry.

This document has been prepared under a mandate given to CEN by the European Commission and the European Free Trade Association, and supports essential requirements of EU Directive(s).

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Introduction

Core elements for sustainable products and their circularity are in the longevity of products and the supporting measures and strategies to extend the lifespan of products.

These measures include the maintenance, repair and refurbishment of products and/or their parts and/or their surfaces. They thus reflect the terms addressed in current European legislation Proposal for Ecodesign for Sustainable Products Regulation[1].

The decision as to whether a furniture or parts including their surfaces, should be repaired or refurbished depends on a number of factors. These may be economic, legal and/or sustainability aspects.

When considering the parts, the concept of prioritising parts is applied, which is mentioned by the Joint Research Centre of the EU Commission in its study on ESPR and has already been applied in EN 17902:2023 [2].

In addition, occupational health and safety can be taken into account during maintenance, repair and refurbishment.

This document provides an evaluation method and thus expertise for the design and construction phase of the products and their priority parts.

This document is intended to support designers and engineers in designing furniture in such a way that the costs of maintenance, repair and refurbishment after placement on the market can be kept as low as possible.

The costs themselves and the assessment of the economic efficiency of a repair or refurbishment are not considered, since this decision is made by other stakeholders, taking into account other factors such as sustainability aspects and emotional attachment to the furniture.

For this purpose, there are defined criteria with corresponding classes for evaluating their implementation and corresponding possibilities for further improvement.

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1 Scope

This document provides an evaluation method including a set of criteria for evaluating the ability of priority parts of products to be maintained, repaired and refurbished that lead to an extension of the lifetime of a product.

The evaluation criteria are intended to support the user of this document in designing a product which can be easily maintained, repaired and refurbished irrespective of materials or construction methods used.

The evaluation method does not consider usefulness and/or cost-effectiveness of the repair and refurbishment.

This document does not include requirements.

For assessing the overall degree of circularity of furniture products, additional complementary evaluation methods need to be considered.

2 Normative references

There are no normative references in this document.

3 Terms and definitions

For the purposes of this document, the following terms and definitions apply.

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

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3.1
product
physical-based object designed or utilized as furniture in domestic, office, public, outdoor areas, educational and other institutions

Note 1 to entry: The terms product and furniture can be used synonymously.

[SOURCE: EN 17902:2023 [2], 3.1]

3.2
component
constituent of a *product* (3.1) which cannot be fragmented without losing its particular *function* (3.10)

[SOURCE: EN 45560:2024 [3], 3.3.1]

3.3
part
sub-unit of a *product* (3.1), including connectors and fasteners as *component* (3.2)

Note 1 to entry: A part can be understood as an assembly, sub-assembly or a component.

[SOURCE: EN 17902:2023 [2], 3.2 amended]

3.4
inspection
process in which the *product* (3.1) is examined for limitations of primary or secondary functions so that parts requiring *maintenance* (3.6) or *repair* (3.7) can be identified

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3.5
cleaning
one or more measures carried out to clean the visible parts from soiling and to contribute to the reduction or prevention of signs of wear or impairment of appearance

Note 1 to entry: In addition to the regular cleaning of certain parts, cleaning can also serve as a preparatory step for maintenance (e.g. lubrication).

3.6
maintenance
one or more actions carried out to keep a *product* (3.1) in a condition where it is able to fulfil its intended purpose

Note 1 to entry: Cleaning in itself does not constitute maintenance.

[SOURCE: [1] REGULATION (EU) 2024/1781, Article 2 (19)]

3.7
repair
one or more actions carried out to return a defective *product* (3.1) or waste to a condition where it fulfils its intended purpose

Note 1 to entry: Repairs are carried out on the product or the part when installed, removing or replacing the part concerned.

Note 2 to entry: The term waste is not considered here because the ESPR definition of refurbishment does not use the term waste and repairing waste does not make sense in the context of this document.

[SOURCE: [1] REGULATION (EU) 2024/1781, Article 2 (20)]

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3.8
refurbishment
actions carried out to prepare, clean, test, service and, where necessary, *repair* (3.7) a *product* (3.1) or a discarded *product* (3.1) in order to restore its performance or functionality within the intended use and range of performance originally conceived at the design stage at the time of the placing of the *product* (3.1) on the market

[SOURCE: [1] REGULATION (EU) 2024/1781, Article 2 (18)]

3.9
lifespan
time period under which the *product* (3.1) functions for its intended purpose

Note 1 to entry: Lifespan can be based on regulatory requirements or the average or usual *reliability* (3.14) of products.

3.10
function
intended purpose a *product* (3.1) is designed for

3.11
primary function
function (3.10) fulfilling the intended use

Note 1 to entry: More than one primary function is possible.

[SOURCE: EN 45552:2020 [4], 3.1.2.1]

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