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Laboratorijsko pohištvo - Priporočila za načrtovanje in namestitvev - 5. del: Nosilci za razvode inštalacij

Laboratory furniture - Recommendations for design and installation - Part 5: Services distribution carriers

Laboreinrichtungen - Empfehlungen für Anordnung und Montage - Teil 5: Medienträgersysteme

Mobilier de laboratoire - Recommandations de conception et d'installation - Partie 5 : Supports de distribution des alimentations

Ta slovenski standard je istoveten z: prEN 14056-5

ICS:

71.040.10	Kemijski laboratoriji. Laboratorijska oprema	Chemical laboratories. Laboratory equipment
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EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

DRAFT
prEN 14056-5

January 2026

ICS 71.040.10

English Version

Laboratory furniture - Recommendations for design and installation - Part 5: Services distribution carriers

Laboreinrichtungen - Empfehlungen für Anordnung und Montage - Teil 5: Medienträgersysteme

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European foreword

This document (prEN 14056-5:2025) has been prepared by Technical Committee CEN/TC 332 “Laboratory equipment”, the secretariat of which is held by DIN.

This document is currently submitted to the CEN Enquiry.

EN 14056, *Laboratory furniture - Recommendations for design and installation*, is currently composed with the following parts:

- Part 2: *General* (published 2025-11);
- Part 2: *Table frames*;
- Part 3: *Worktops*;
- Part 4: *Storage units*;
- Part 5: *Services distribution carriers* (this document).

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1 Scope

This document is applicable to biology, chemistry and physics laboratories where research, preparative, analytical, process activities take place and which can involve work with hazardous substances, including higher education (college and university teaching and post-graduate research).

This document does not cover the requirements of schools, i.e. precollege/pre-university (refer to EN 13150), or highly specialist laboratories which need very specific, bespoke solutions to enable them to function.

This document specifies requirements for various types of services distribution carriers typically used in combination with laboratory bench types as covered in the EN 14056 series. This document gives guidelines for all parties involved in the planning, design, manufacture, installation, testing of a new laboratory or in the refurbishment of an existing laboratory.

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 1757:2022, *Safety of industrial trucks — Pedestrian propelled industrial platform trucks*

EN 1906, *Building hardware — Lever handles and knob furniture — Requirements and test methods*

EN 14428:2015+A1:2018, *Shower enclosures - Functional requirements and test methods*

EN 12600, *Glass in building — Pendulum test — Impact test method and classification for flat glass*

EN 13792, *Colour coding of taps and valves for use in laboratories*

EN 14056-1, *Laboratory furniture — Recommendations for design and installation — Part 1: General*

3 Terms and Definitions

For the purposes of this document, the following terms and definitions given in EN 14056-1 and the following 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/>

3.1 services distribution carrier
support structure by which services such as gases, water, electricity and IT are distributed to outlet points which comprise part of the lab bench assembly (spine, duct, bridge, void, channel)

3.2 laboratory bench
assembly of individual components, combined to create a facility within a laboratory to enable laboratory work

Note 1 to entry: A laboratory bench may include but is not limited to a worktop, leg frame support structure, shelving, storage units, worktop-mounted service outlets (gases, water, electricity, IT) a services spine and services provision. Services may also be delivered via a separate overhead delivery system.

4

Note 2 to entry: A laboratory bench may be fixed to the building structure (e.g. wall or floor) or may be free-standing (not fixed to the building structure).

[SOURCE: EN 14056-1:2025, 3.1]

3.3

single-sided laboratory bench

laboratory bench for single sided use, usually but not always fixed to a wall and is a stand-alone assembly

[SOURCE: EN 14056-1:2025, 3.1.3]

3.4

island bench

laboratory bench, which is not fixed to a wall and is a stand-alone assembly

[SOURCE: EN 14056-1:2025, 3.1.4]

3.5

peninsula bench

laboratory bench, which may be attached, usually at right angles to a wall or wall bench

[SOURCE: EN 14056-1:2025, 3.1.5]

3.6

storage unit

cupboard, drawer packs, tray or basket units which form part of the service distribution carrier

[SOURCE: EN 14056-1:2025, 3.2]

3.7

worktop

horizontal surface to enable laboratory work

[SOURCE: EN 14056-1:2025, 3.3]

3.8

services outlet

outlet to which cabling or piping connects to enable users to access services

Note 1 to entry: Examples for services outlets are electrical or IT sockets and gases or water taps.

[SOURCE: EN 14056-1:2025, 3.5]

3.10

moveable

ability to relocate a laboratory bench or component of the same, which can involve some disassembly/unfastening of components and means of transportation (e.g. trolleys, skids, lifting equipment)

[SOURCE: EN 14056-1:2025, 3.8]