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INTERNATIONAL STANDARD

**Electric motor-operated hand-held tools, transportable tools and lawn and garden machinery - Safety -
Part 4-10: Particular requirements for pole-mounted pruners**

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

**Electric motor-operated hand-held tools, transportable tools
and lawn and garden machinery - Safety -
Part 4-10: Particular requirements for pole-mounted pruners**

FOREWORD

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IEC 62841-4-10 has been prepared by IEC technical committee 116: Safety of motor-operated electric tools. It is an International Standard.

The text of this International Standard is based on the following documents:

Draft	Report on voting
116/944/FDIS	116/973/RVD

Full information on the voting for its approval can be found in the report on voting indicated in the above table.

The language used for the development of this International Standard is English.

This document was drafted in accordance with ISO/IEC Directives, Part 2, and developed in accordance with ISO/IEC Directives, Part 1 and ISO/IEC Directives, IEC Supplement, available at www.iec.ch/members_experts/refdocs. The main document types developed by IEC are described in greater detail at www.iec.ch/publications.

This document is to be used in conjunction with the first edition of IEC 62841-1:2014 and IEC 62841-1:2014/AMD1:2025.

This document supplements or modifies the corresponding clauses in IEC 62841-1:2014, so as to convert it into the IEC Standard: Particular requirements for pole-mounted pruners.

Where a particular subclause of IEC 62841-1:2014 is not mentioned in this document that subclause applies as far as relevant. Where this document states "addition", "modification" or "replacement", the relevant text in IEC 62841-1:2014 is to be adapted accordingly.

The following print types are used:

- requirements: in roman type;
- *test specifications: in italic type;*
- notes: in small roman type.

The terms defined in Clause 3 are printed in **bold typeface**.

Subclauses, notes, tables and figures which are additional to those in IEC 62841-1, except as described for Annex K below, are numbered starting from 101.

Subclauses, notes, tables and figures in Annex K and Annex L which are additional to those in the main body of this document are numbered starting from 301.

NOTE The attention of National Committees is drawn to the fact that equipment manufacturers and testing organizations can need a transitional period following publication of a new, amended or revised IEC publication in which to make products in accordance with the new requirements and to equip themselves for conducting new or revised tests.

It is the recommendation of the committee that the content of this publication be adopted for implementation nationally not earlier than 36 months from the date of publication.

A list of all parts of the IEC 62841 series, under the general title: *Electric motor-operated hand-held tools, transportable tools and lawn and garden machinery - Safety*, can be found on the IEC website.

The committee has decided that the contents of this document will remain unchanged until the stability date indicated on the IEC website under webstore.iec.ch in the data related to the specific document. At this date, the document will be

- reconfirmed,
- withdrawn, or
- revised.

1 Scope

IEC 62841-1:2014, Clause 1 is applicable, except as follows:

Addition:

This document applies to **hand-held pole-mounted pruners** which are designed for use by one operator for cutting tree branches with a **cutting device** and a fixed or detachable elongated construction such that the **cutting device** is distanced from the handles or grasping surfaces during use.

This document does not cover the risk of electric shock associated with the intended use of **pole-mounted pruners** in the vicinity of overhead power lines.

The **cutting device** of **pole-mounted pruners** can be

- a **saw chain**; or
- a reciprocating saw blade.

This document does not apply to

- saws mounted on a pole where the distance measured between the point of the **power switch** closest to the **cutting device** and the nearest unguarded cutting edge of the **cutting device** is <1 000 mm,
- pruning saws,
- chain saws as covered by IEC 62841-4-1,
- chain saws for tree service as covered by IEC 62841-4-9,
- hedge trimmers, including extended-reach hedge trimmers, as covered by IEC 62841-4-2,
- brush cutters and brush saws as covered in IEC 62841-4-4,
- scissors-type pruners, or
- machines designed for use with a circular saw blade.

NOTE 101 Pruning saws will be covered by a future part of IEC 62841-4.

NOTE 102 Scissors-type pruners will be covered by a future part of IEC 62841-4.

NOTE 103 In Europe (EN IEC 62841-4-10), this document does not apply to **pole-mounted pruners** equipped with **integral batteries**.

2 Normative references

IEC 62841-1:2014, Clause 2 and IEC 62841-1:2014/AMD1:2025, Clause 2 are applicable, except as follows:

Addition:

IEC 60112:2020, *Method for the determination of the proof and the comparative tracking indices of solid insulating materials*

IEC 60664-3:2016, *Insulation coordination for equipment within low-voltage systems - Part 3: Use of coating, potting or moulding for protection against pollution*

IEC 60664-4:2005, *Insulation coordination for equipment within low-voltage systems - Part 4: Consideration of high-frequency voltage stress*

Bibliography

The bibliography of IEC 62841-1:2014 and of IEC 62841-1:2014/AMD1:2025 are applicable, except as follows.

Addition:

IEC 60320-2-3:2018, *Appliance couplers for household and similar general purposes – Part 2-3: Appliance couplers with a degree of protection higher than IPX0*

IEC 62841-4-1, *Electric motor-operated hand-held tools, transportable tools and lawn and garden machinery - Safety - Part 4-1: Particular requirements for chain saws*

IEC 62841-4-2, *Electric motor-operated hand-held tools, transportable tools and lawn and garden machinery - Safety - Part 4-2: Particular requirements for hedge trimmers*

IEC 62841-4-4, *Electric motor-operated hand-held tools, transportable tools and lawn and garden machinery - Safety - Part 4-4: Particular requirements for lawn trimmers, lawn edge trimmers, grass trimmers, brush cutters and brush saws*

IEC 62841-4-9, *Electric motor-operated hand-held tools, transportable tools and lawn and garden machinery - Safety - Part 4-9: Particular requirements for battery-powered chain saws for tree service*

ISO 22868:2021, *Forestry and gardening machinery - Noise test code for portable hand-held machines with internal combustion engine - Engineering method (Grade 2 accuracy)*

EN IEC 62841-4-10, *Electric motor-operated hand-held tools, transportable tools and lawn and garden machinery - Safety - Part 4-10: Particular requirements for pole-mounted pruners*¹

ANSI/NFPA 70, *National Electrical Code*

CSA C22.1, *Canadian Electrical Code, Part I, Safety Standard for Electrical Installations*

Deletion:

IEC 60664-3, *Insulation coordination for equipment within low-voltage systems - Part 3: Use of coating, potting or moulding for protection against pollution*

¹ To be published. Stage at CENELEC at the time of publication: FprEN IEC 62841-4-10.